



2021-2022 Catalog

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Introduction to UNF

The University of North Florida is one of 12 public universities in the State University System of Florida. A comprehensive, urban university located in Jacksonville, UNF is home to more than 17,000 students and six colleges: the Brooks College of Health, the Coggin College of Business, the College of Arts and Sciences, the College of Computing, Engineering and Construction, the College of Education and Human Services and the Hicks Honors College.

The University's annual economic impact on the region is more than \$1 billion. The scenic 1,381-acre campus includes a nature preserve, lakes for kayaking and canoeing and miles of hiking trails. Another 1,050 acres of pristine wetlands on the Intracoastal Waterway are owned by UNF and used for research. Business classes are held downtown in UNF's new Center for Entrepreneurship and Innovation, and also in the heart of the city is the Museum of Contemporary Art Jacksonville (MOCA), an institute of UNF.

The University consistently ranks high for quality and value. UNF was included among nationally ranked universities on U.S. News & World Report's Best Colleges list — the second year UNF has achieved top-tier, national institution status on this listing. UNF also ranked 136 on U.S. News & World Report's Top Public Institutions list and top 10% of universities worldwide from the Center for World University Rankings. The University holds the prestigious Community Engagement Classification from The Carnegie Foundation, a designation held by only 5% of universities in the U.S., and numerous other distinguished rankings.

UNF is committed to student success and has launched a number of

initiatives to support student health and well-being and ensure sustained academic success, timely graduation and career placement. The University is known for providing students with transformational learning experiences — conducting research with faculty, taking part in community-based learning or studying abroad, which UNF students do at twice the national average. The vibrant campus is engaging with more than 200 clubs including 26 fraternities and sororities, an active Student Government and impactful programming to promote a positive student experience.

The University of North Florida was first chartered in 1965. The campus was selected in 1969, construction began in 1971, and the University opened its doors to approximately 2,000 upper-level students in the fall of 1972. In 1973, UNF graduated its first class of 35 students. The University was quick to expand and was accredited by the Southern Association of Colleges and Schools in 1974. The school's mascot, Ozzie the Osprey, was adopted in November 1979. In 1984, UNF began admitting freshmen. UNF entered intercollegiate sports in 1983 as a member of the NAIA, later moving to NCAA Division II. The North Florida Ospreys made the move to Division I in 2009, competing in the Atlantic Sun Conference. Since then, UNF's 19 athletic teams have excelled winning numerous conference championships and regularly competing in postseason play. In 2015, the men's basketball team received its first invitation to NCAA Basketball Tournament.

The University of North Florida is an emerging force in research in health, coastal sciences, logistics and more. UNF offers 60 bachelor's degree with 75 areas of concentration, 36 master's degrees with 72 areas of concentration, five doctoral degrees with three areas of concentration, and one specialist degree.



UNF's Mission & Vision

Mission Statement

Our student-centered mission is to create the next generation of thinkers, leaders, and problem solvers with the knowledge and experience to uniquely change the world.

Vision Statement

University of North Florida will be the higher education nexus where diverse students, faculty, and organizations from around the world collaborate to creatively innovate for the advancement of society.

Values

We achieve excellence in all we do; we are an institution of uncompromising character; we lead with humility, humanity and integrity.

- Integrity – We do the right thing for the right reason at the right time.
- Respect – We treat everyone with kindness, we are informed by the perspectives of other, and we draw strength from our differences.
- Accountability – We are responsible for how the outcomes of our actions affect others and our environment.
- Innovation – We harness creativity and talent to turn challenges into opportunities and problems into solution in a uniquely UNF way.

Strategic Goal

University of national prominence and distinction with North Florida as our catalyst and student success as our mantra. [Learn more about UNF's 2020-2025 Strategic Plan.](#)

Statement of Unity

UNF stands in unity and solidarity with all members of our community, regardless of genetic information, race, color, religion, age, sex, disability, gender identity and expression, sexual orientation, marital status, national origin, or veteran status. We are proud of the diversity in our students, faculty and staff.

We strongly condemn acts of hate and bigotry as antithetical to the university's core values of mutual respect and civility. Actions and words that seek to deny human beings full membership in the broader moral community on the basis of arbitrary characteristics are intolerable. We stand opposed to violence in language or in action, and we see these as a threat to the mission of UNF as a public university that is committed to intellectual and cultural growth and civic awareness.

We pledge to stand with and for those who are the most vulnerable members of our community and to take actions that help our students and fellow employees feel safe and know that they are safe. We affirm UNF's unreserved commitment to student success within a diverse, supportive campus culture. We seek to embody the ideals of a free and democratic society, and we fully support and value each member of our community.



Accreditation

Institutional Accreditation

The University of North Florida is accredited by the [Southern Association of Colleges and Schools Commission on Colleges \(SACSCOC\)](#) to award associate, baccalaureate, masters, specialist, and doctorate degrees. Questions about the accreditation of the University of North Florida may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on the SACSCOC's website (www.sacscoc.org).

Individual contact to the Commission on Colleges about the University of North Florida accreditation status should occur only if there is evidence that appears to support significant noncompliance with a requirement or standard.

Specialized Accreditation/Approval

In addition to maintaining institutional accreditation, UNF also expects specialized accreditation to be sought and maintained when appropriate. UNF has achieved accreditation or approval status with the following accreditation agencies. Additional information on [accreditation](#).

- AACSB International - The Association to Advance Collegiate Schools of Business
- Computing Accreditation Commission (CAC) of ABET
- Engineering Accreditation Commission (EAC) of ABET
- Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

- Academy of Nutrition and Dietetics/Accreditation Council for Education in Nutrition and Dietetics (ACEND)
- American Association of Nurse Anesthetists, Council on Accreditation of Nurse Anesthesia Educational Programs (COA)
- American Chemical Society (ACS)
- American Council for Construction Education (ACCE)
Construction Management
- Association for University Programs in Health Administration (AUPHA)
- Commission on Accreditation of Athletic Training Education (CAATE)
- Commission on Accreditation of Allied Health Education Programs (CAAHEP)
- Commission on Accreditation of Healthcare Management Education (CAHME)
- Commission on Accreditation in Physical Therapy Education/American Physical Therapy Association (CAPTE)
- Commission on Collegiate Interpreter Education (CCIE)
- Commission on Collegiate Nursing Education (CCNE)
- Commission on Sport Management Accreditation (COSMA)
- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Council for the Accreditation of Educator Preparation (CAEP)
- Council on Education for Public Health (CEPH)
- Council on Social Work Education (CSWE)
- Florida Board of Nursing
- Florida Department of Education
- National Association of Schools of Art and Design (NASAD)
- National Association of Schools of Music (NASM)
- National Association of Schools of Public Affairs and Administration (NASPAA)

Seal, Logo, Mascot and Creed



The Official Seal

The official seal for the University of North Florida incorporates a circle and a compass rose — a direction-finding device for mariners. These symbolize the University's role in providing direction for students. The placement of the symbol in the upper northeast quadrant of the circle describes the University's location in the northeast region of Florida. The Roman numerals MCMLXV refer to the year that the University was chartered, 1965. Use of the official University seal is reserved for official documents such as diplomas and other official certificates.



The UNF Logo

The University's graphic symbol is depicted at left. It consists of three elements. The initials UNF are referred to as the monogram. The words University of North Florida are referred to as the descriptor. The bird is the osprey image. The osprey image should never be used alone. The logo appears on official University stationery, business cards, envelopes, Web pages and external publications. Blue and gray are the official UNF colors. Visual Identity Guidelines, which explain the proper use of the UNF logos, are available at the Department of Marketing and Publications, or can be found [online](#).



The Osprey Mascot

The osprey was adopted officially as the University of North Florida mascot in November 1979 in an election conducted by the Student Government Association. The osprey received 47 percent of the votes and won over the armadillo, seagull, manatee and shark. Ospreys can often be seen gliding majestically over the campus. The osprey — a member of the hawk family with a wingspan of up to 6 feet — is capable of diving 80 mph in pursuit of fish, which constitute its main diet. UNF's mascot has the characteristics that UNF students hope to have when they graduate. Ospreys have been described as seemingly inexhaustible, tenacious, opportunistic, cosmopolitan, loyal to their species, adaptable, resilient and fond of living near other ospreys. Described as “trendy birds” in National Geographic magazine for their success in adapting to suburban neighborhoods, ospreys also are into recycling. Children's toys, plastic foam containers, cork buoys and doormats are some of the items they use to construct their gigantic nests. Ospreys, like UNF alumni, reside on all continents, except Antarctica. To commemorate UNF's commitment to the environment and its adoption of the osprey as its mascot, the University of North Florida Foundation Inc. commissioned a watercolor painting of the osprey by noted ornithologist and wildlife artist Frederick William Wetzell of Jacksonville. The painting hangs permanently in the special collections of the Thomas G. Carpenter Library.

The Student Creed

I AM THE UNIVERSITY OF NORTH FLORIDA.

I am loyal to the Nest without reservation.

I am selfless in my effort to advance its values.

I am relentless in the pursuit of truth and knowledge carried out in the spirit of intellectual and artistic freedom.

I am one who wears the colors of the Osprey proudly.

I am wearing them on my chest and in my heart, on and off the playing field with confidence and vigor.

I am filled with courage and dare to soar.

I am an Osprey flying far, fast, and hard.

- Christopher Warren, 2010



Board Members

Florida Board of Governors

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Richard Corcoran, Commissioner of Education

Aubrey Edge

Patricia Frost

Edward Haddock

H. Wayne Huizenga, Jr.

Nastassia Janvier

Ken Jones

Darlene Luccio Jordan

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Jill Davis

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Allison Korman Shelton

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Nikul (Nik) Patel

Nathaniel Rodefer

John White



University Officers

Pamela Chally, Ph.D., RN (Georgia State University) Interim President

Scott Bennett, B.S. (Florida State University) Vice President for Administration and Finance

Karen Bowling, B.A. (University of North Florida) Vice President for Employer Engagement

B. Jay Coleman, Ph.D. (Clemson University) Vice President, Data Analytics

Heather Duncan, B.S. (University of Southern Mississippi) Vice President, Government and Community Relations & Interim Director of Strategic Partnerships, UNF MedNexus

Teresa Nichols, CFRE Interim Vice President for University Development and Alumni Engagement and Interim Executive Director, University of North Florida Foundation, Inc.

Karen B. Patterson, Ph.D. (Kent State University) Provost and Vice President for Academic and Student Affairs

Isabel Pease, B.A. (Louisiana State University) Interim Vice President for Marketing and Communications

Karen J. Stone, J.D. (University of Florida) Vice President, General Counsel

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Richmond Wynn, Ph.D (University of Florida) Interim Vice President and Chief Diversity Officer



University Deans

Edythe Abdullah, JD (University of Florida) Dean, Division of Continuing Education

Richard Buttimer, Ph.D. (University of Georgia) Dean, Coggin College of Business; Professor, Finance

Jeffrey S. Chamberlain, Ph.D. (University of Chicago) Dean, Hicks Honors College; Professor, British History

James, Garner, Ph.D. (Ohio State University) Interim Dean, College of Arts and Sciences; Professor Emeritus of Physics

John Kantner, Ph.D. (University of California, Santa Barbara) Associate Vice President for Research and Dean, Graduate School; Professor, Anthropology

William Klostermeyer, Ph.D. (University of Florida) Dean, College of Computing, Engineering and Construction; Professor, Computing

Curt L. Lox, Ph.D. (University of Illinois) Dean, Brooks College of Health; Professor, Kinesiology

Brent Mai, Ed.D. (Vanderbilt University) Dean, Carpenter Library

Diane Yendol-Hoppey, Ph.D. (Pennsylvania State University) Dean, College of Education and Human Services; Professor, Childhood Education, Literacy & TESOL



University Faculty

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Juan Aceros, Ph.D. (Northeastern University) Associate Professor,
Electrical Engineering

Bettie M. Adams, M.Acc (Florida State University) CPA, CIA, CFP,
ChFC Assistant Professor, Accounting and Finance

John Adams, Ph.D. (Texas Tech University) Assistant Professor,
Accounting and Finance (Finance)

Parvez Ahmed, Ph.D. (University of Texas at Arlington) Associate
Professor, Accounting and Finance (Finance)

William D. Ahrens, M.S.N. (University of Alabama at Birmingham)
R.N. Senior Instructor, Nursing

Sanjay P. Ahuja, Ph.D. (University of Louisville) Professor,
Computing

Barry Albright, Ph.D. (University of California, Riverside), Associate
Lecturer, Physics

Carolyne Ali-Khan, Ph.D. (The Graduate Center, CUNY) Associate
Professor, Foundations and Secondary Education

Ashley Batts Allen, Ph.D. (Duke University) Assistant Professor,
Psychology

Tracy Packiam Alloway, Ph.D. (The University of Edinburgh)
Professor, Psychology

Fnu Amrita, Ph.D. (Indian Institute of Technology) Instructor,
Management

Lian An, Ph.D. (University of Kentucky) Professor, Economics and
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Jonathan Antal, MS (Lamar University) Associate Instructor,
Exceptional, Deaf and Interpreter Education

Emma Apatu, Ph.D. (East Tennessee State University) Associate
Professor, Public Health (Community Health)

Paul Argott, Ph.D. (CUNY) Instructor, Psychology

Mark Ari, M.F.A. (Brooklyn College - CUNY) Assistant Professor,
English (Creative Writing)

Andrea Arikawa, Ph.D. (University of Minnesota) Associate
Professor, Nutrition

Christa Arnold, Ph.D. (University of Florida) Associate Professor,
Communication

Lynne Arriale, M.M. (Wisconsin Conservatory of Music) Professor,
Music

Asai Asaithambi, Ph.D. (University of Wisconsin-Madison)
Professor, School of Computing, Computer Science

Beyza Aslan, Ph.D. (University of Florida) Associate Professor,
Mathematics and Statistics (Mathematics)

Libby Aull, M.S. (Jacksonville University) Instructor, Nursing

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B

Peter Bacopoulos, Ph.D. (University of Central Florida) Assistant
Professor, Civil Engineering

Julie Baker-Townsend, M.S.N., A.R.N.P., B.C. (University of Florida)
Clinical Associate Professor, Nursing

Chitra K. Balasubramainian, Ph.D. (University of Florida) Associate
Professor, Clinical and Applied Movement Sciences

Mina N. Balamoune-Lutz, Ph.D. (Northeastern University)
Professor, Economics and Geography, Distinguished Professor

Constanza Lopez Baquero, Ph.D. (City University of New York)
Assistant Professor, Languages, Literatures and Cultures (Spanish)

Marianne B. Barnes, Ph.D. (University of Texas) Professor,
Foundations and Secondary Education (Science Education)

Melissa Baron, M.H.S. (University of North Florida) Instructor,
Nutrition and Dietetics

Elissa Barr, Ph.D., CHES, (University of Florida) Associate
Professor, Public Health

Thomas L. Barton, Ph.D. (University of Florida) CPA, Kathryn and
Richard Kip Professor of Accounting, Accounting and Finance
(Accounting)

Christopher W. Baynard, Ph.D. (University of Florida) Associate
Professor, Economics and Geography (Geography)

Mary Beal, Ph.D. (Florida State University) Associate Instructor,
Economics and Geography (Economics)

Andrew Beall, M.S. (Arkansas State University) Associate
Laboratory Lecturer, Biology

Joel W. Beam, Ed.D. (University of North Florida) ATC, LAT, Chair
and Professor, Clinical and Applied Movement Sciences (Athletic
Training)

Berrin Beasley, Ph.D. (University of Southern Mississippi) Professor,
Communication (Communication)

James Beasley, Ph.D. (Purdue University) Associate Professor,
English

Michele S. Bednarzyk, M.N. (University of South Carolina) ARNP,
B.C., Clinical Associate Professor, Nursing

David J. Begley, M.F.A. (Savannah College of Art & Design)
Associate Professor and Chair, Art, Art History and Design (Graphic
Design)

Denis R. Bell, Ph.D. (University of Warwick) Professor, Mathematics
and Statistics (Mathematics)

Timothy Bell, Ph.D. (Oklahoma State University) Professor & Coggin

Distinguished Professor of Accounting, Accounting and Finance
(Accounting)

Erin Bennett, M.M. (University of Florida) Associate Professor, Music
(Piano Pedagogy)

Amy Bennion, MFA (University of Utah) Assistant Professor, Art, Art
History, and Design (Drawing and Painting)

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Professor, Music (Music/Voice)

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Kimberly Bilsky, MSN (Instructor), Nursing

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Secondary Education (English Education)

Stephan Boka, M.F.A. (University of California) Associate Instructor,
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Michelle Boling, Ph.D., A.T.C. (University of North Carolina at
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Stacy Boote, Ed.D., Ed.S. (University of Central Florida) Associate
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Biology

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Nursing

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Engineering (Civil)

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College of Business; Professor, Finance

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C

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Gaylord Candler, Ph.D. (Indiana University, Bloomington) Professor, Political Science and Public Administration (Public Administration)

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Lynne Carroll, Ph.D. (University of Pittsburgh) Professor, Psychology

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Distinguished Professor, 2008

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Nancy Correa-Matos, Ph.D. (University of Illinois) Assistant
Professor, Nutrition and Dietetics

Charles B. Coughlin, M.S. (Florida State University) Associate
Lecturer, Biology

Michele Covington, Ph.D. (University of Central Florida) Assistant
Professor, Criminology and Criminal Justice

Raphael Crowley, Ph.D. (University of Florida) Associate Professor,
Construction Management

Vanessa Cruz, M.F.A. (California Institute of Art) Professor, Art and
Design (Multimedia and Graphic Design)

Cynthia Cummings, Ed.D., R.N. (University of North Florida), Interim
Director, School of Nursing, Professor, Nursing

James Nixon (Nick) Curry, D.M.A. (Northwestern University)
Associate Professor, Music (Music)

Malgorazta Czerwinska, Ph.D. (University of Memphis) Associate
Professor, Mathematics and Statistics (Mathematics)

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D

Linda Dacks, M.A. (Nova University) Resident Clinical Faculty,
Childhood Education

Frederick Dale, M.A. (University of North Florida) Associate
Instructor, English

William Dally, Ph.D. (University of Florida) Professor, Civil
Engineering

John Daugherty, D.M.A. (University of Michigan) Assistant
Professor, Music

Matthew Davies, M.S. (University of California-Irvine) Associate
Laboratory Lecturer, Chemistry

Justin Davis, B.S. (California State University-Northridge) Assistant

Swim Coach, Athletics

Sean M. Davis, Ph.D. (Florida Atlantic University) Associate Professor, Accounting and Finance

Sara Davis, Ph.D. (Iowa State University) Assistant Professor, Psychology

Mark Dawkins, Ph.D. (Florida State University) Professor, Accounting

John Dean, M.S. (University of North Florida) Instructor, Criminology and Criminal Justice

Michelle DeDeo, Ph.D. (University of California, San Diego) Associate Professor, Mathematics and Statistics (Mathematics)

David Deeley, Ph.D. (University of Florida) Assistant Professor, Communication

Pieter de Jong, Ph.D. (University of Texas at Arlington) Professor, Accounting and Finance (Finance)

Rosa De Jorio, Ph.D. (University of Illinois at Urbana-Champaign) Professor, Sociology and Anthropology (Anthropology)

Todd T. DelGiudice, MM (University of Oregon) Associate Professor, Music

Brandilyn Denison, Ph.D. (University of North Carolina - Chapel Hill) Associate Professor, Philosophy

Diane Denslow, M.B.A. (University of North Florida) Associate Instructor, Management

Nicholas de Villiers, Ph.D. (University of Minnesota) Professor of English

Di Shang, Ph.D. (City University of New York (CUNY) Assistant Professor, Management

Alexander Diaz, MFA (University of Florida) Associate Professor, Art and Design (Photography)

Marcus Dickman Jr., D.M.A. (North Texas State University) Associate Professor, Music (Music)

Daniel Dinsmore, Ph.D. (University of Maryland) Associate Dean, College of Education and Human Services and Professor,

Foundations and Secondary Education (Music Education)

Roberta Reid Doggett, M.S., APR (West Virginia University)
Associate Instructor, Communication (Public Relations)

Gregory F. Domber, Ph.D. (George Washington University),
Associate Professor, History

Timothy J. Donovan, M.A. (Pennsylvania State University) Associate
Professor, English

Daniel Dreibelbis, Ph.D. (Brown University) Associate Professor and
Undergraduate Director, Mathematics and Statistics (Mathematics)

Tammy Druash, M.L.S. (Emporia State University) Associate
University Librarian, Library

Raluca Dumitru, Ph.D. (University of Cincinnati) Associate
Professor, Mathematics

Georgette Dumont, Ph.D. (Northern Illinois University) Associate
Professor, Political Science and Public Administration (Political
Science)

Trevor Dunn, M.F.A. (Utah State University) Associate Professor, Art
and Design (Ceramics)

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E

Paul Eason, Ph.D. (University of Florida) Associate Dean, College of
Computing, Engineering, and Construction, Professor of Mechanical
Engineering

Suzanne Ehrlich, Ed.D. (University of Cincinnati) Assistant
Professor, Exceptional, Deaf, and Interpreter Education

Adel El-Safty, Ph.D. (North Carolina State University) Professor,
Engineering (Civil Engineering), Distinguished Professor 2018

Sherif A. Elfayoumy, Ph.D. (University of Louisville) Director and
Professor, Computing

Mary Helen Elliott, M.S.N. (Creighton University) R.N., Instructor,
Nursing

Terri Ellis, Ph.D. (University of California, Davis) Associate

Professor, Biology

Reham A. Eltantawy, Ph.D. (Florida State University) Chair,
Marketing and Logistics; Professor, Marketing and Logistics
(Marketing)

Hank Eng, Ph.D. (Ohio State University) Lab Lecturer, Chemistry

Cora Evensen, M.S. (Jacksonville University) Instructor, Nursing

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F

Paul A. Fadil, Ph.D. (Florida State University) Professor,
Management

Ashley Faulkner, Ph.D. (University of Virginia) Instructor, English

David E. W. Fenner, Ph.D. (University of Miami) Professor,
Philosophy

Denice Fett, Ph.D. (Ohio State University) Assistant Professor,
History

Gerald F. Fletcher, M.D. (Mayo Medical School) Courtesy/ Clinical
Professor, Brooks College of Health

James Fletcher, Ph.D. (University of Florida) Associate Professor,
Engineering (Mechanical Engineering)

Joseph W. Flowers, M.A. (University of North Florida) Instructor,
English

Christopher Flynn, Ph.D. (Auburn University) Associate Professor,
Management

Bruce Fortado, Ph.D. (Case Western Reserve University) Professor,
Management (Management)

Cheryl A. Fountain, Ed.D. (University of Florida) Executive Director,
Florida Institute of Education; Professor, Leadership, School
Counseling and Sports Management (Educational Leadership)

Jose Franco, Ph.D. (Baylor University) Associate Professor,
Mathematics and Statistics (Mathematics)

Sean Freeder, Ph.D. (University of California) Assistant Professor,

Political Science and Public Administration

Cheryl J. Frohlich, Ph.D. (University of Illinois) Professor, Accounting and Finance (Finance)

Anita Fuglestad, Ph.D. (University of Minnesota) Instructor, Psychology

Paul Fuglestad, Ph.D. (University of Minnesota) Associate Professor, Psychology

Elizabeth Fullerton, Ph.D. (University of Florida) Assistant Professor, Childhood Education (Special Education)

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G

D. Christopher Gabbard, Ph.D. (Stanford University) Professor and Graduate Coordinator, English

Raymond W. Gaddy, MFA (University of Alabama) Instructor, Art and Design (Art)

Terrie Galanti, Ph.D. (George Mason University) Assistant Professor, Teaching, Learning and Curriculum

Andrés Alberto Gallo, Ph.D. (University of Illinois Champaign - Urbana) Co-Director, International Business Flagship Program, Professor, Economics and Geography (Economics)

Bernadette Gambino, M.A. (George Mason University) Instructor, English (English)

Lev V. Gasparov, Ph.D. (Institute for Solid State Physics, Russia) Associate Dean, College of Arts and Sciences, Presidential Professor, Professor, Physics

Patricia A. Geesey, Ph.D. (Ohio State University) Professor, Languages, Literatures and Culture (French)

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James Gelsleichter, Ph.D. (William and Mary) Associate Professor, Biology

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Biology

Matthew R. Gilg, Ph.D. (University of South Carolina) Professor,
Biology

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Instructor, Accounting and Finance (Accounting)

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Philosophy

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Exceptional Student and Deaf Education

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Criminal Justice

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Lakshmi Goel, Ph.D. (University of Houston) Professor and Chair,
Management

Sheila Goloborotko, MFA (Brooklyn College) Associate Professor,
Art and Design

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Instructor, Communication

Benjamin Gordon, Ph.D. (University of South Carolina) Assistant
Professor, Clinical and Applied Movement Sciences (Exercise
Science)

Stephen John Gosden, Ph.D. (Yale University) Assistant Professor,
Music

Daniel R. Gottlieb, B.M. (University of Miami) Professor, Music
(Music)

Pramod Govindan, Ph.D. (Illinois Institute of Technology) Assistant
Professor, Engineering (Electrical)

Maurice Graham, M.S. (Florida State University) Instructor,
Leadership, School Counseling, and Sport Management

Barry R. Greene, M.M. (University of South Florida) Professor,

Music (Music)

Elizabeth Gregg, Ph.D. (Indiana University) Professor, Leadership, School Counseling and Sport Management

Taylor Grimes, M.S. (University of North Florida) Assistant Professor, Mathematics and Statistics

Timothy J. Groulx, Ph.D. (University of South Florida) Associate Professor, Music

Caroline Guardino, (University of Arizona) Associate Professor, Exceptional, Deaf and Interpreter Education

Gregory Gundlach, Ph.D. (University of Tennessee) Professor and Coggin Distinguished Professor of Marketing, Marketing and Logistics

C. Dominik Güss, Ph.D. (Otto-Friedrich University of Bamberg) Presidential Professor, Professor, Psychology

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H

Jenny K. Hager, MFA (San Jose State University) Professor, Art and Design (Sculpture)

Ty Hak, M.S. (Florida State University) Instructor, Mathematics

Donald R. Haley, Ph.D. (University of North Carolina at Chapel Hill) Professor, Public Health (Health Administration)

James Hall, D.M.A. (Rice University) Associate Professor, Music (Voice)

Katrina W. Hall, Ph.D. (University of Florida) Associate Professor, Childhood Education (Pre-K and Primary Education)

Michael A. Hallett, Ph.D. (Arizona State University) Professor, Criminology and Criminal Justice

Hanadi Hamadi, Ph.D. (University of South Carolina) Associate Professor, Public Health

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Mitchell R. Haney, Ph.D. (University of Memphis) Associate

Professor and Chair, Philosophy (Theoretical and Applied Ethics)

Craig G. Harms, Ph.D. (Ohio State University) Associate Professor,
Management (Management)

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debran Harmon-O'Connor, D.N.P. (University of North Florida)
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Engineering (Electrical Engineering)

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and Professor, Public Health (Health Administration)

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Gregory Helmick, Ph.D. (University of Texas - Austin) Associate
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John William Hewitt, Ph.D. (Northwestern University) Associate
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Stephen Heywood, M.F.A. (Edinboro - University of Pennsylvania)
Professor, Art and Design (Ceramics)

Clarence Hines, D.M.A. (Eastman School of Music, University of
Rochester) Chair, School of Music and Associate Professor, Music
(Trombone and Jazz Studies)

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Peggy L. Hoff, M.N. (Emory University) R.N., Senior Instructor, Nursing

Christine Holland, Ed.D. (University of North Florida) Associate Instructor, Communication (Speech)

Katherine Hooper, Ph.D. (Indiana University) Instructor, Psychology

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Thobias Huning, Ph.D. (University of Memphis) Assistant Professor, Management

Donald Hutton, M.B.A. (Xavier University) Executive-in-Residence, Public Health (Health Administration)

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I

Natalie A. Indelicato, Ph.D. (University of Florida) Assistant Professor, Public Health (Mental Health Counseling)

Julie J. Ingersoll, Ph.D. (University of California - Santa Barbara) Professor, Department of Philosophy (Religious Studies)

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J

Laura Jackson, M.A. (Gallaudet University) Instructor, Exceptional, Deaf, and Interpreter Education

E. Newton Jackson, Ph.D. (University of New Mexico) Professor,
Leadership, School Counseling and Sports Management

David G. Jaeger, J.D. (University of Cincinnati) Chair and Associate
Professor, Accounting and Finance

David D. Jaffee, Ph.D. (University of Massachusetts-Amherst)
Professor, Sociology and Anthropology (Sociology); Distinguished
Professor 2019

Alireza Jahan-Mihan, Ph.D. (University of Toronto) Associate
Professor, Nutrition & Dietetics

Christopher Janson, Ph.D. (Kent State University) Associate
Professor, Leadership, School Counseling and Sports Management
(School Counseling)

Aiyan Jiang, Ph.D. (University of Florida) Associate Professor,
Construction Management

Sharon Joca, M.A. (Inter-American University of Puerto Rico)
Resident Clinical Faculty, Childhood Education

Jason John, MFA (Indiana University of Pennsylvania) Associate
Professor, Art and Design (Painting and Drawing)

Christopher Johnson, Ph.D. (University of Alabama) Associate
Dean, Coggin College of Business and Professor, Economics and
Geography (Economics)

Eric Johnson, Ph.D. (North Carolina State University) Associate
Professor, Biology

Jeania Jones, M.A. (Nova Southeastern University) Instructor,
Childhood Education, Literacy and TESOL

Christopher J. Joyce, Ph.D. (University of Virginia) ATC, CSCS,
LAT, Associate Professor, Clinical and Applied Movement Sciences
(Athletic Training)

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K

Vamsi Kalasapudi, Ph.D. (Arizona State University) Assistant
Professor, Construction Management

Rahul W. Kale, Ph.D. (University of Maryland) Associate Professor,

Management (Management)

Indika Kahanda, Ph.D. (Colorado State University) Assistant Professor, Computing

Jennifer Kane, Ph.D. (Florida State University) Professor and Associate Dean, Leadership, School Counseling and Sports Management (Sport Management)

Upulee Kanewala, Ph.D. (Colorado State University) Assistant Professor, Computing

John Kantner, Ph.D. (University of California, Santa Barbara) Interim Associate Provost, Associate Vice President for Research and Dean, Graduate School; Professor, Anthropology

Philip G. Kaplan, Ph.D. (University of Pennsylvania) Associate Professor, History

Katherine M. Kasten, Ph.D. (University of Wisconsin-Madison) Professor, Leadership, Counseling and Instructional Technology (Educational Leadership)

Dilek Kayaalp, Ph.D. (University of British Columbia) Assistant Professor, Foundations and Secondary Education

Donna M. Keenan, Ph.D. (Florida State University) Associate Professor, Foundations and Secondary Education (Literacy Education)

Kyle Keith, M.F.A. (New York Academy of Art) Instructor, Art and Design

Tara Kelley, M.A. (University of North Carolina-Charlotte) Instructor, English

Chau J. Kelly, Ph.D. (University of California - Davis) Associate Professor, History

Christopher M. Kelso, Ph.D. (University of Chicago) Associate Professor, Physics

Jennifer Kilpatrick, Ph.D. (University of Tennessee Knoxville), Assistant Professor, Exceptional, Deaf, and Interpreter Education

Dong-Young Kim, Ph.D. (Carleton University) Professor, Management

Jonghoon Kim, Ph.D. (Arizona State University) Assistant Professor,

Construction Management

Junga Kim, Ph.D. (University of Florida) Associate Professor,
Communication (Advertising)

Soonhyang Kim, Ph.D. (Ohio State University) Assistant Professor,
Childhood Education, Literacy, and TESOL

William Klostermeyer, Ph.D. (University of Florida) Professor of
Computing and Dean, College of Computing, Engineering and
Construction

Bryan A. Knuckley, Ph.D. (University of South Carolina) Associate
Professor, Chemistry

Hans-Herbert Koegler, Ph.D. (Der Johann Wolfgang Goethe–
University of Frankfurt am Main) Professor, Philosophy

Brian T. Kopp, Ph.D. (New Mexico State University) Assistant
Professor, Engineering (Electrical Engineering)

O. Patrick Kreidl, Ph.D. (Massachusetts Institute of Technology)
Associate Professor, Engineering (Electrical Engineering)

Nathan Kunz, Ph.D. (University of Neuchatel) Associate Professor,
Management

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L

Corinne Labyak, Ph.D. (University of Florida) Associate Professor,
Nutrition and Dietetics

Reinhold P. Lamb, Ph.D. (Florida State University) Professor and
Jody and Layton Smith Distinguished Professor of Finance,
Accounting and Finance (Finance)

Scott Landes, Ph.D. (University of Florida) Assistant Professor,
Sociology, Anthropology and Social Work (Sociology)

Amy Lane, Ph.D. (Georgia Institute of Technology) Associate
Professor, Chemistry

Lori Y. Lange, Ph.D. (University of Wisconsin - Milwaukee)
Associate Professor and Chair, Psychology

Nicholas LaRosa, OPT (Stony Brook University) Assistant Professor,

Clinical and Applied Movement Sciences (Physical Therapy)

Erin Largo-Wight, Ph.D. (University of Florida) Professor, Public Health

Nicholas LaRosa, D.P.T. (Stony Brook University) Instructor, Clinical and Applied Movement Sciences

Wanda LaStrapes, Ph.D. (Old Dominion University) Assistant Professor, Foundations and Secondary Education

Kadesh Lauridsen, M.A. (University of Florida), Instructor, English

Juliana K. Leding, Ph.D. (University of Arkansas) Professor, Psychology

Chunsik Lee, Ph.D. (University of Florida) Associate Professor, Communication

Hyung-Seok Lee, Ph.D. (University of Florida) Assistant Professor, Communication

Jason W. Lee, Ph.D. (Florida State University) Professor, Leadership, School Counseling and Sports Management (Sport Management)

Michael Lentz, Ph.D. (University of Alabama at Birmingham) Associate Professor, Biology

Adrienne Lerner, JD (University of Tennessee-Knoxville) Pre-Law Instructor, Political Science and Public Administration

Tru Leverette, Ph.D. (University of Florida) Associate Professor, English

Jennifer Lieberman, Ph.D. (University of Illinois) Associate Professor, English

James Littleton, M.S. (University of North Florida) Instructor, Computing

Xudong Liu, Ph.D. (University of Kentucky) Assistant Professor, Computing

Bevin Livingston, Ph.D., P.T., A.T.C. (Emory University) Associate Professor, Clinical and Applied Movement Sciences

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Kristina Lopez, Ph.D. (Texas State University) Assistant Professor, Criminology and Criminal Justice

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Curt L. Lox, Ph.D. (University of Illinois) Professor and Dean, Brooks College of Health (Kinesiology)

Joseph Lucca, Ph.D. (University of Delaware) Associate Professor, Clinical and Applied Movement Sciences

Michael Lufaso, Ph.D. (Ohio State University) Munoz Presidential Professor and Associate Professor, Chemistry

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Clark D. Lunberry, Ph.D. (University of Wisconsin - Milwaukee) Professor, English (English)

Mary Lundy, DPT (University of Michigan) Associate Professor, Clinical and Applied Movement Sciences (PT)

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M

John B. MacArthur, Ph.D. (University of Wales, U.K.) FCCA, Kathryn and Richard Kip Professor of Accounting, Accounting and Finance (Accounting)

Jane MacGibbon, Ph.D. (University of Cambridge) Associate Professor, Physics

David MacKinnon, Ed.D. (University of North Florida) Associate Instructor, English

Sarah Ainsworth MacPherson, Ph.D. (Florida State University)
Assistant Professor, Psychology

Peter Magyari, Ph.D. (University of Florida) Associate Professor,
Clinical and Applied Movement Sciences (Exercise Science)

Brent Mai, Ed.D. (Vanderbilt University) Dean, Carpenter Library

Amirhossein Majdirad, Ph.D. (Wichita State University) Assistant
Professor, Engineering

Hannah Malcolm, Ph.D. (Washington University) Assistant
Professor, Chemistry

Kally Malcom, M.F.A. (New Mexico State University) Associate
Professor, Art and Design (Photography)

Maged Malek, Ph.D. (University of Central Florida) Associate
Professor and Chair, Construction Management

Ehsan Maleki, Ph.D. (Georgia Institute of Technology) Instructor and
Advisor, Engineering (Mechanical)

Angela Mann, Ph.D. (University of South Florida) Associate
Professor, Psychology

Dennis J. Marks, M.M. (University of Miami) Associate Professor,
Music (Studio Jazz Writing)

Elise Marshall, M.S. (University of Texas at El Paso) Advisor and
Associate Instructor, Computing

Vladimir Mashanov, Ph.D. (Far Eastern State University) Assistant
Professor, Biology

Susan Massey, MLIS (Louisiana State University) University
Librarian

Jonathan Matheson, Ph.D. (University of Rochester) Professor,
Philosophy

Samuel Mathies, M.A. (University of California, Northridge)
Instructor, Communication

Traci Mae Mathies, MA. (Regis University) Instructor,
Communication

Sarah Anne Mattice, M.A. (University of Hawaii at Manoa) Associate
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Diane Lyn Matuschka, M.A. (University of Northern Colorado)
Instructor, Communication

Jason I. Mauro, Ph.D. (University of Connecticut) Associate
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Brenda Maxey-Billings, M.A. (University of North Florida) Associate
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Leadership, School Counseling and Sport Management

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University of the Health Services) Professor, Nursing

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and Anthropology (Social Work)

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CIA, Associate Professor, Accounting and Finance (Accounting)

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Librarian

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Clinical and Applied Movement Sciences

Jeffrey E. Michelman, Ph.D. (University of Wisconsin-Madison) CPA,
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Information Systems)

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Criminology and Criminal Justice

James Mitchell Miller, Ph.D. (University of Tennessee) Professor,
Criminology and Criminal Justice

Pere Miro Rarmirez, Ph.D. (University of Rovira) Assistant
Professor, Chemistry

Patrick Monaghan, Ph.D. (Bowling Green State University)
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LaRee Moody, M.S. (University of St. Francis) Instructor, Public
Health

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Biology

Jamie Moon, M.S. (University of South Florida) Associate Lecturer,
Biology

Donald Moore, M.A. (Southeast Missouri State University) Instructor,
English

Michele J. Moore, Ph.D. (University of Florida) CHES Professor and Chair, Public Health

Paul Mosley, M.S. (Florida State University), University Librarian

Thomas Mullen, Ph.D. (Pennsylvania State University) Associate Professor, Chemistry

Naveen Mukhtar, Ph.D. (University of Karachi - Pakistan) Lab Lecturer, Chemistry

Debra L. Murphy, Ph.D. (Boston University) Professor, Art and Design (Art History)

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N

Elizabeth Nabi, M.F.A. (Savannah College of Art and Design) Associate Professor, Art and Design (Graphic Design)

Siho Nam, Ph.D. (Pennsylvania State University) Associate Professor, Communication (Mass Communication)

Dag Näslund, Ph.D. (Lund School of Business and Economics) Professor, Management (Management)

Mona Nasser, Ph.D. (University of Toledo) Assistant Professor, Engineering

Courtney Nations Baker, Ph.D. (University of Wyoming) Assistant Professor, Marketing and Logistics

Brittany Nettles, D.N.P. (University of North Florida) Assistant Professor, Nursing

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Jody Nicholson, Ph.D. (University of Notre Dame) Associate Professor, Psychology

Betsy Nies, Ph.D. (University of Florida) Associate Professor, English

John P. Nuszowski, Ph.D. (West Virginia University) Associate Professor, Engineering (Mechanical Engineering)

David Nyquist, Ph.D. (University of Northern Illinois) Laboratory
Lecturer, Chemistry

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O

Judith D. Ochrietor, Ph.D. (Ohio State University) Associate
Professor and Pre-Med Advisor, Biology

Matthew Ohlson, (University of Florida) Director of the Taylor
Leadership Institute, Associate Professor, Leadership, School
Counseling, and Sport Management

Jurgen Osterbrink, Ph.D., R.N.A. (University of Leuven, Belgium)
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Ronghua (John) Ouyang, Ed.D. (Indiana University of Pennsylvania)
Professor, Childhood Education

Deb Owen, MSH (University of North Florida) Associate Instructor,
Public Health

Crystal L. Owen, Ph.D. (Ohio State University) Associate Professor,
Management (Management)

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P

Jonathon Pabalate, D.N.P., C.R.N.A. (Florida International
University) Instructor, Nursing

Marcus Pactor, MFA (Texas State University) Associate Instructor,
Writing Program

Megan Parkinson, Ph.D. (University of Maryland) Assistant
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Jae Hee Park, Ph.D. (University of Tennessee, Knoxville) Associate
Professor, Communication

Paul Parkison, Ed.D. (University of Memphis) Professor and Chair,
Teaching, Learning, and Curriculum

John H. Parmelee, Ph.D. (University of Florida) Professor and
Director, Communication (Journalism)

Amanda Pascale, Ph.D. (University of Tennessee) Associate Professor and Chair, Leadership, School Counseling and Sport Management (Leadership)

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Richard F. Patterson, Ph.D. (Kent State University) Professor and Chair, Mathematics and Statistics (Mathematics)

Antony Paulraj, D.B.A. (Cleveland State University) Associate Professor, Management (Management)

Steven K. Paulson, Ph.D. (Iowa State University) Blanche and Luther Coggin Professor of Management; Management (Management); Distinguished Professor, 1989, Emeritus Professor

John Pechonick, M.S. (University of Missouri, Rolla) Laboratory Lecturer, Chemistry

Thomas Pekarek, Ph.D. (Purdue University) Professor, Physics; Presidential Professor

Susan M. Perez, Ph.D. (University of California, Riverside) Associate Professor, Psychology (Developmental Psychology)

Stephynie Chapman Perkins, Ph.D. (University of Florida) Associate Professor, Communication (Public Relations)

Eileen Pesantes-Tavares, Ph.D. (University of Florida) Instructor and Advisor, Civil Engineering

Anne Pfister, Ph.D. (University of South Florida) Assistant Professor, Sociology, Anthropology, and Social Work (Anthropology)

Richard D. Phillips, Ph.D. (Rutgers University) Associate Professor, Sociology and Anthropology (Sociology)

Curtis Phills, Ph.D. (York University) Associate Professor, Psychology

Mario Pickins, Ph.D. (Georgia State University) Assistant Professor, Teaching, Learning and Curriculum

Sherry Pinkstaff, Ph.D. (Virginia Commonwealth University)

Associate Professor, Clinical and Applied Movement Sciences

Bonnie Pope, M.S.N., A.R.N.P. (Florida Atlantic University)

Instructor, Nursing

Leigh Powers, DNP (Vanderbilt University) Assistant Professor,
Nursing

Frederick D. Pragasam, M.B.A. (Case Western Reserve University)

Senior Instructor, Management (Management)

Zornitza G. Prodanoff, Ph.D. (University of South Florida) Professor,
Computing

Sarah Caissie Provost, Ph.D. (Brandeis University)

Associate Professor, Music

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Q

Nuria Ibanez Quintana, Ph.D. (Western Michigan University)

Associate Professor, Languages, Literatures and Culture

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R

Stephanie Race, M.A. (University of South Florida) Associate

University Librarian, Library

M. Mahbubur Rahman, Ph.D. (Arizona State University) Associate

Professor, Mathematics and Statistics (Mathematics)

George W. Rainbolt, Ph.D. (University of Arizona) Professor,

Philosophy

Gordon Rakita, Ph.D. (University of New Mexico) Professor,

Sociology and Anthropology (Anthropology); Distinguished

Professor, 2020

Issa Ramaji, Ph.D. (Penn State University) Assistant Professor,

Construction Management

Maria Ramdas, M.A. (University of North Florida) Resident Clinical

Faculty, Special Education

Luminita Razaila, M.S. (University of North Florida) Associate

Instructor, Mathematics and Statistics (Statistics)

Sandeep Reddivari, Ph.D. (Mississippi State University) Associate Professor, Computing

Deborah Reed, Ed.D. (University of North Florida) Associate Instructor, Exceptional, Deaf, and Interpreter Education

Fatima Rehman, Ph.D. (Emory University) Lab Lecturer, Biology

F. Dan Richard, Ph.D. (Texas Christian University) Director, Center for Community Based Learning, and Associate Professor, Psychology

Pat Richards, D.N.P. (University of North Florida) Assistant Professor, Nursing

Michael Richardson, M.S. (University of North Florida) Instructor, Clinical and Applied Movement Sciences (Health Science)

Julie Richmod, Ph.D. (University of Connecticut) Assistant Professor, Biology

Phillip S. Riner, Ed.D. (University of North Carolina-Greensboro) Professor, Foundations and Secondary Education

Len Roberson, Ph.D. (Gallaudet University) Professor, Exceptional Student and Deaf Education

Nataliya Roman, Ph.D. (University of Florida) Assistant Professor, Communication

Cliff Ross, Ph.D. (University of California, Santa Barbara) Professor and Chair, Biology

Anthony M. Rossi, Ph.D. (Florida State University) Professor and Graduate Coordinator, Biology

Heather Roth, Ph.D. (University of Wisconsin) Assistant Professor, Leadership, School Counseling and Sport Management

Connie Roush, Ph.D. (University of Washington) R.N., Associate Professor, Nursing

Paul W. Rowe, MAT (Jacksonville University) Associate Instructor, Mathematics and Statistics (Mathematics)

Swapnoneel Roy, Ph.D. (SUNY at Buffalo) Associate Professor, Computing

Dawn Russell, Ph.D. (Northwestern University) Associate Professor,
Transportation and Logistics; Interim Director, Transportation and
Logistics Flagship Program; Program Director, MBA, MSM and
Graduate Certificate Programs

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S

Ping Sa, Ph.D. (University of South Carolina) Professor,
Mathematics and Statistics (Statistics)

Lena Salpietro, Ph.D. (University of Toledo) Assistant Professor,
Public Health

Otilia L. Salmón, Ph.D. (University of Florida) Associate Professor,
Childhood Education (Foundations and Secondary Education -
ESOL/Multicultural Education)

Jane Sander, M.S.N., A.R.N.P. (University of North Florida)
Instructor, Nursing

Thobias Sando, Ph.D. (Florida State University) Professor,
Engineering (Civil Engineering)

Daniel Santavicca, Ph.D. (Yale University) Associate Professor,
Physics

Dawn M. Saracino, M.H.S. (University of Florida) P.T., NCS,
Associate Instructor, Clinical and Applied Movement Sciences
(Physical Therapy)

Claudia Scaff, M.F.A. (Iowa State University) Associate Professor,
Art and Design (Graphic Design)

Oliver Schnusenberg, Ph.D. (Florida Atlantic University) Professor,
Accounting and Finance (Finance)

Alexandra Schonning, Ph.D. (University of Central Florida)
Professor, Engineering (Mechanical Engineering)

Rebecca Schumacher, Ed.D. (University of Maine) Assistant
Professor, Leadership, School Counseling and Sports Management

Robert W. Schupp, J.D. (University of Florida) Associate Professor,
Management (Business Law)

Cynthia G. Scott, Ph.D. (Southern Illinois University) Professor,

Public Health (Rehabilitation Counseling)

James B. Scott, M.M. (Florida International University) Associate Professor, Music (Music)

Nicholas Seabrook, Ph.D. (University of Buffalo) Associate Professor, Political Science and Public Administration (Political Science)

Claudia Sealey-Potts, Ph.D. (Auburn University) Associate Professor, Nutrition and Dietetics

William Self, M.S.N. (University of North Florida) Instructor, Nursing

Jennifer Serotta, DNP (University of North Florida) Assistant Professor, Nursing

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Presidential Professor

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Biology

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Education (Primary and Elementary Education)

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School Counseling and Sports Management (School Counselor
Education)

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Lecturer, Biology

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of New York) Assistant Professor, Philosophy

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President, Marketing

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T

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Candice Tahimic, Ph.D. (Tottori University) Assistant Professor,
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Management (Management Information Systems)

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Communication

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(Trumpet)

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Mathematics and Statistics (Mathematics)

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Ma. Teresa Tuason, Ph.D. (State University of New York, Albany)
Professor, Public Health

Russell Turney, M.A. (George Mason University) Associate
Instructor, English

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U

Karthikeyan Umapathy, Ph.D. (Pennsylvania State University)
Associate Professor, Computing

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V

Cheryl A. Van Deusen, Ph.D. (University of South Carolina) CHA, CHE, Professor, Management (International Management)

Andrea Venet, DMA (Eastman School of Music) Assistant Professor, Music (Percussion)

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Brenda Vose, Ph.D. (University of Cincinnati) Chair and Associate Professor, Criminology and Criminal Justice

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W

David Waddell, Ph.D. (Duke University) Associate Professor, Biology

Dongyuan “Debbie” Wang, Ph.D. (Purdue University) Professor, Psychology (Cognitive Psychology)

Kening Wang, Ph.D. (University of South Carolina) Associate Professor, Mathematics and Statistics (Mathematics)

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Michael C. Wiley, Ph.D. (New York University) Professor, English

Jeffrey Will, Ph.D. (University of Massachusetts) Professor, Sociology and Anthropology (Sociology) and Director of Center for Community Initiatives

Jennifer Williams, Ph.D. (University of Florida) Lecturer, Chemistry

Lunetta M. Williams, Ph.D. (University of Florida) Professor, Childhood Education (Literacy Education)

Pamela Williamson, Ph.D. (University of Florida) Professor and Chair, Exceptional, Deaf and Interpreter Education

Steven A. Williamson, D.B.A. (Memphis State University) Director, PAPER Institute and Institute of Management Development and Organizational Quality; Professor, Management (Management)

Hope Elisabeth (Bess) Wilson, Ph.D. (University of Connecticut) Associate Professor, Foundations and Secondary Education

Christian Winterbottom, Ph.D. (Florida State University) Associate Professor, Childhood Education, Literacy, and TESOL

Dawn Witherspoon, Ph.D. (Case Western Reserve University) Assistant Professor, Psychology

Jennifer Wolff, Ph.D. (University of Nebraska, Lincoln) Associate Professor, Psychology

Mark E. Workman, Ph.D. (University of Pennsylvania) Professor, English and Honors College Fellow

Lauri Wright, Ph.D. (University of South Florida) Associate Professor

and Director, Nutrition and Dietetics

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Languages, Literatures and Culture

Greg Wurtz, Ph.D. (University of Technology Troyes) Associate
Professor and Chair, Physics

Richmond D. Wynn, Ph.D. (University of Florida) Associate
Professor, Public Health

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Y

Gabriel J. Ybarra, Ph.D. (University of Wisconsin - Milwaukee)
Associate Professor and Coordinator for the MACP Program,
Psychology

Diane Yendol-Hoppey, Ph.D. (Penn State University) Professor and
Dean, College of Education

Zhiping Yu, Ph.D. (Pennsylvania State University) Associate
Professor, Nutrition and Dietetics

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Z

Pamela A. Zeiser, Ph.D. (Clairmont Graduate University) Associate
Professor, Political Science and Public Administration

Mei-Qin Zhan, Ph.D. (Indiana University) Professor, Mathematics
and Statistics (Mathematics)

Ping Ying Zhang, Ph.D. (Norwegian School of Management BI)
Professor and Chair, Management

Mei Zhao, Ph.D. (Virginia Commonwealth) Professor and Chair,
Health Administration, Distinguished Professor 2021

Qiang Zhen, Ph.D. (University of Illinois) Associate Professor,
Mathematics and Statistics (Statistics)

Jennie Ziegler, M.F.A. (University of Arizona) Associate Instructor,
English

Zoellner, Brian, Ph.D. (University of Wisconsin-Madison) Associate

Professor, Foundations and Secondary Education

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University Emeriti Faculty

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Afesa M. Adams, Ph.D. (University of Utah) Professor Emerita of Psychology

Ronald J. Adams, Ph.D. (University of Georgia) Professor Emeritus of Marketing

James Alderman, M.S.L.S. (Florida State University) M.A. (University of North Florida) University Librarian Emeritus

John E. Anderson, Ph.D. (Harvard University) Associate Lecturer Emeritus, Physics

Faiz Al-Rubae, Ph.D. (New York University/Courant Institute) Associate Professor Emeritus of Mathematics

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B

H. Eugene Baker III, Ph.D. (University of Florida) Professor Emeritus of Management

Marianne B. Barnes, Ph.D. (University of Texas) Professor Emerita of Foundations and Secondary Education (Science Education)

Mary K. Baron, Ph.D. (University of Illinois) Professor Emerita of

English

Homer L. Bates, Ph.D. (University of Illinois) CPA, Professor,
Accounting and Finance (Accounting)

Richard Bizot, Ph.D. (University of Virginia) Professor Emeritus of
English; Distinguished Professor

Kathaleen C. Bloom, Ph.D. (University of Florida) Professor Emerita
of Nursing

Robert Bohle, Ph.D. (University of Tennessee) Professor Emeritus
of Communication

Lenard C. Bowie, D.M.A. (Yale University) Professor Emeritus of
Music

Ray Bowman, Ph.D. (California Institute of Technology) Professor
Emeritus of Chemistry

Gordon R. Brock, D.M.A. (University of Colorado, Boulder) Professor
Emeritus of Music

John M. Browning, Ph.D. (University of Georgia) Professor Emeritus
of Marketing

Louise Freshman Brown, M.F.A. (Syracuse University) Professor
Emerita, Painting/Drawing, Distinguished Professor, 2007

Eileen D. Brady, MS (Florida State University) University Librarian
Emerita

Joseph A. Butler, Ph.D. (Ohio State University) Professor Emeritus
of Biology

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C

William H. Caldwell, Ph.D. (Rutgers University) Professor Emeritus
of Mathematics

Charles H. Calhoun, Ph.D. (Florida State University) Professor
Emeritus of Accounting

Henry J. Camp, Ph.D. (University of Nebraska) Professor Emeritus of Sociology

Thomas G. Carpenter, Ph.D. (University of Florida) President Emeritus

Pamela S. Chally, Ph.D., R.N. (Georgia State University) Professor Emerita of Nursing and Dean Emerita; Distinguished Professor

Yap Siong Chua, Ph.D. (SUNY Stony Brook) Professor Emeritus of Computer Science

Dale L. Clifford, Ph.D. (University of Tennessee - Knoxville) Associate Professor Emerita, History

Robert Cocanougher, MFA (Syracuse University) Professor Emeritus, Art and Design

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George W. Corrick, Ed.D. (University of Florida) Associate Professor Emeritus of Education

Neal S. Coulter, Ph.D. (Georgia Institute of Technology) Professor Emeritus of Computing and Dean Emeritus, College of Computing, Engineering and Construction

David T. Courtwright, Ph.D. (Rice University) Presidential Professor Emeritus, History; Distinguished Professor, 1998

James B. Crooks, Ph.D. (Johns Hopkins University) Professor Emeritus of History; Distinguished Professor

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D

Mary Elizabeth D'Zamko, Ed.D. (University of Florida) Professor Emerita of Education

John A. Delaney, JD (University of Florida) President Emeritus

Nofa Dixon, M.F.A. (Virginia Commonwealth University) Associate Professor Emerita, Art and Design (Art)

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E

Paul Eggen, Ph.D. (Oregon State University) Professor Emeritus of Education

Roger E. Eggen, Ph.D. (University of Missouri-Rolla) Professor Emeritus of Computing

Adel I. El-Ansary, Ph.D. (Ohio State University) Professor Emeritus of Marketing, Donna Harper Professor of Marketing

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F

Gary R. Fane, Ph.D. (University of Florida) Professor Emeritus of Management

Andrew Farkas, M.L.S. (University of California — Berkeley) Director Emeritus, University Library; Distinguished Professor

Joan Farrell, Ph.D. (SUNY Buffalo) Dean Emerita, Brooks College of Health

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Patricia Foster, EdD (University of Florida) Associate Professor and Chair Emeritus of Nursing

Robert Frankel, Ph.D. (Michigan State University) Professor Emeritus of Marketing and Logistics

Jack S. Funkhouser, M.M. (Vanderbilt-Peabody) Director Emeritus of Instructional Communications

Elizabeth L. Furdell, Ph.D. (Kent State University) Professor Emerita, Department of History; Distinguished Professor

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G

Charles M. Galloway, Ed.D. (University of Florida) Professor Emeritus of Educational Leadership (deceased)

James L. Garner, Ph.D. (Ohio State University) Professor Emeritus of Physics

Dennis L. Gay, Ph.D. (Florida State University) Associate Professor Emeritus, Department of Physics

Mauricio Gonzalez, Ph.D. (Florida State University) Professor Emeritus (Affiliate Appointment), Leadership, School Counseling and Sports Management

Vernice "Bunky" Green, MM (Northwestern University) Professor Emeritus, Music and Director Emeritus of the Jazz Studies Program

Mary L. Grimes, Ph.D. (University of Florida) Professor Emerita of Education

Sandra L. Gupton, Ed.D. (University of North Carolina/Greensboro) Professor Emerita of Educational Leadership

Bruce Gutknect, Ed.D. (Wayne State University) Professor Emeritus of Childhood Education

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H

Courtney Hackney, Ph.D. (Mississippi State University) Professor Emeritus, Biology

Jerome Hallan, Dr.P.H. (University of North Carolina) Professor Emeritus of Health Science

Shirley Hallblade, Ph.D. (University of Iowa) Dean Emerita and University Librarian Emerita

Gary L. Harmon, Ph.D. (Indiana University) Professor Emeritus of English; Founding Chair (Department of Language and Literature)

Craig Harms, Ph.D. (Ohio State University) Professor Emeritus of Management

Wanda B. Hedrick, Ph.D. (University of North Carolina - Chapel Hill) Professor Emerita, Childhood Education (Literacy Education)

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Barbara A. Hetrick, Ph.D. (Oregon State University) Dean Emerita, College of Arts and Sciences; Professor Emerita, Biology

Dennis M. Holt, Ph.D. (Ohio State University) Professor Emeritus of Foundations and Secondary Education

Paula Horvath, Ph.D. (University of Florida) Associate Instructor Emerita, Communication (Journalism)

M. Catherine Hough, Ph.D. (Florida State University) R.N., Associate Professor Emerita of Nursing

Anne H. Hopkins, Ph.D. (Syracuse University) Professor Emerita, Political Science

Jack T. Humphries, Ph.D. (University of Florida) Professor Emeritus of Physics

Jay S. Huebner, Ph.D. (University of California - Riverside) Professor Emeritus of Physics

I

Iver H. Iversen, Ph.D. (University of Copenhagen) Professor Emeritus, Department of Psychology

J

Edward Johnson, Ph.D. (Michigan State University) Professor Emeritus of Management

Marnie C. Jones, Ph.D. (Northwestern University) Professor Emerita, English

Robert P. Jones, M.S.L.S. (Florida State University) University Librarian Emeritus

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K

Paul Karabinis, M.F.A. (University of Florida) M.A. (Boston University) Associate Professor Emeritus, Art, Art History, and Design (Photography and History of Photography)

Jerzy J. Karylowski, Ph.D. (University of Warsaw) Professor Emeritus, Psychology, Distinguished Professor

C. Bruce Kavan, Ph.D. (University of Georgia) Professor Emeritus of Management

Ronald F. Kephart, Ph.D. (University of Florida) Associate Professor Emeritus of Anthropology

A. Samuel Kimball, Ph.D. (University of Florida) Professor Emeritus of English

A. David Kline, Ph.D. (University of Wisconsin - Madison) Professor Emeritus of Philosophy

Barbara Kruger, Ph.D. (University of Florida) R.N., Associate Professor Emerita of Nursing

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L

Kenneth K. Laali, Ph.D. (University of Manchester) Presidential Professor Emeritus of Chemistry

Marcia Ladendorff, M.A. (University of North Florida) Associate Instructor Emerita, Communication

Paul E. Ladnier, M.F.A. (Syracuse University) Associate Professor Emeritus, Department of Art and Design (Painting/Drawing/Illustration)

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Thomas M. Leonard, Ph.D. (American University) Professor, Emeritus of History; Distinguished Professor

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Ronald T. Libby, Ph.D. (University of Washington) Professor Emeritus of Political Science

Leonard J. Lipkin, Ph.D. (University of Michigan) Professor Emeritus of Mathematics; Distinguished Professor

Marsha H. Lupi, Ed.D. (Teachers College, Columbia University) Associate Professor Emerita of Teacher Education

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M

Charlotte N. Mabrey, M.M. (University of Illinois) Professor Emerita of Music; Distinguished Professor, 2001

John C. Maraldo, Ph.D. (University of Munich) Professor Emeritus of Philosophy

Rebecca A. Marcon, Ph.D. (Louisiana State University) Professor Emerita, Psychology

Kenneth E. Martin, Ph.D. (University of Notre Dame) Professor Emeritus of Computing, Founding Director Emeritus

Paul M. Mason, Ph.D. (University of Texas) Professor Emeritus of Economics

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Frank S. McLaughlin, Ph.D. (University of Florida) Professor Emeritus of Management and Quantitative Methods; Distinguished Professor

Donna L. Mohr, Ph.D. (Princeton University) Professor Emerita, Statistics

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N

JoAnn Nolin, J.D., R.N. (University of Florida) Associate Professor Emerita of Health Administration

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O

Barbara J. Olinzock, Ed.D. (University of North Florida) R.N., Associate Professor Emerita, Nursing

Charles E. Owens, Ed.D. (University of New Mexico) Professor, Professor Emeritus of Criminology and Criminal Justice

Cynthia Battie O'Sullivan, Ph.D. (University of California, Los Angeles) Professor Emerita, Public Health

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P

James M. Parrish, Ph.D. (University of North Carolina-Chapel Hill) Dean Emeritus, College of Business Administration

Jeanne B. Patterson, Ed.D. (Montana State University) Professor Emerita of Public Health (Rehabilitation Counseling)

Oscar Patterson, Ph.D. (University of Tennessee) Professor Emeritus of Communication

Steven K. Paulson, Ph.D. (Iowa State University) Professor Emeritus of Management

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Robert C. Pickhardt, D.B.A. (Indiana University) Professor Emeritus
of Management and Quantitative Methods

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William Prince, D.M. (University of Miami) Professor Emeritus of
Music

Theophilus C. Prousis, Ph.D. (University of Minnesota) Professor
Emeritus of History; Distinguished Professor, 2006

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R

Doreen Radjenovic, Ph.D. (University of Florida) A.R.N.P., B.C.,
Associate Professor Emerita, Nursing

V. Lynne Raiser, Ed.D. (University of Florida) Professor Emerita of
Special Education

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William Roach, M.A. (University of Georgia) Professor Emeritus of
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Computing

Sidney B. Rosenberg, Ph.D. (Georgia State University) Associate Professor Emeritus, Accounting and Finance (Real Estate)

Samuel E. Russell, Ed.D. (University of Pennsylvania) Professor Emeritus of Education

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S

Lowell M. Salter, Ph.D. (University of Arkansas) Professor Emeritus of Marketing

A. Coskun Samli, Ph.D. (Michigan State University) Professor Emeritus, Marketing

Daniel Schafer, Ph.D. (University of Minnesota) Professor Emeritus of History; Distinguished Professor

Elinor A. Scheirer, Ph.D. (Ohio State University) Professor Emerita of Curriculum and Leadership

David Schwam-Baird, Ph.D. (Tulane University) Associate Professor Emeritus of Political Science

Shira Schwam-Baird, Ph.D. (Tulane University) Professor Emerita of French

Renee S. Scott, Ph.D. (University of California-Berkeley) Professor Emerita, Languages, Literatures and Culture (Spanish)

Pali Sen, Ph.D. (Ohio State University) Professor Emerita, Statistics

Thomas S. Serwatka, Ph.D. (Kent State University) Professor Emeritus, Exceptional Student and Deaf Education (Deaf Education)

Behrooz Seyed-Abbassi, Ph.D. (University of Oklahoma) Associate Professor Emeritus, Computing

Stephen L. Shapiro, Ph.D. (University of South Carolina) Professor Emeritus of Economics

Robert M. Siudzinski, Ph.D. (Arizona State University) Professor Emeritus of Special Education

William Slaughter, Ph.D. (Purdue University) Professor Emeritus of English; Distinguished Professor

G. Pritchey Smith, Ed.D. (University of North Texas) Professor Emeritus, Foundations and Secondary Education

Judith L. Solano, Ph.D. (Florida State University) Associate Professor Emerita, Computing

Harriet A. Stranahan, Ph.D. (University of Washington) Professor Emerita, Economics

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T

Henry B. Thomas, DPA (University of Southern California), Associate Professor Emeritus, Public Administration

Robert L. Thunen, Ph.D. (Northwestern University) Associate Professor Emeritus, Anthropology

E. Allen Tilley, Ph.D. (University of Iowa) Professor Emeritus of English; Distinguished Professor

Michael P Togliola, Ph.D. (University of Colorado) Professor Emeritus of Psychology

William H. Tomlinson, Ph.D. (American University) Professor Emeritus of Management

Earle C. Traynham, Ph.D. (University of South Carolina) Professor Emeritus of Economics, Dean Emeritus of the Coggin College of Business

Lucy B. Trice, Ph.D. (Texas Woman's University) A.R.N.P., B.C., Director Emerita, School of Nursing

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U

Susana Urbina, Ph.D. (Fordham University) Professor Emerita of Psychology

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V

Reza Vaghefi, Ph.D. (Michigan State University) Professor Emeritus of Management

Simin B. Vaghefi, Ph.D. (Michigan State University) Associate Professor Emerita of Nutrition

Royal W. VanHorn, Ph.D. (University of Nebraska) Professor Emeritus of Foundations and Secondary Education

K.S. Venkatasubban, Ph.D. (University of Kansas) Professor Emeritus of Chemistry

John J. Venn, Ph.D. (University of Florida) Professor Emeritus, Exceptional Student and Deaf Education

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W

Debra Wagner, Ph.D. (Barry University) A.R.N.P., C.N.M., Associate Professor Emerita of Nursing

Ellen Wagner, Ph.D. (University of Colorado) Associate Professor Emerita of Philosophy

Kristine Webb, Ph.D. (University of New Mexico) Distinguished Professor Emerita, Exceptional Student and Deaf Education

Ellis F. White, Ed.D. (New York University) Dean Emeritus, College of Education and Human Services

C. Donald Wiggins, D.B.A. (Louisiana Tech University) CPA, Professor Emeritus of Finance

Kenneth T. Wilburn, Ph.D. (Florida State University) Associate Professor, Leadership, School Counseling and Sports Management (Educational Leadership)

Sharon T. Wilburn, Ph.D. (University of Florida) Professor Emerita, Public Health, Clinical Mental Health Counseling

Carolyn Williams, Ph.D. (University of California at Los Angeles)

Associate Professor Emerita of History

William J. Wilson, Ph.D. (Texas A&M University) Professor Emeritus of Statistics; Distinguished Professor (deceased)

Charles N. Winton, Ph.D. (University of North Carolina-Chapel Hill) Professor Emeritus of Computing

Peter Wludyka, Ph.D. (Clemson University) Professor Emeritus of Statistics

Louis A. Woods, Ph.D. (University of North Carolina at Chapel Hill) Professor Emeritus, Economics and Geography (Economics and Geography)

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Y

Gerson Yessin, Mus.D. (Florida State University) Professor Emeritus and Founding Chair, School of Music Distinguished Professor

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Teaching, Scholarship, and Service Awards

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- [Outstanding Faculty Scholarship Award](#)
- [Outstanding International Leadership Award](#)
- [Outstanding International Service Award](#)
- [Outstanding Faculty Service Award](#)
- [Outstanding Faculty Community Engaged Scholarship Award](#)
- [Outstanding Undergraduate Advisor Award](#)

Distinguished Professors

Dr. Bette J. Soldwedel, 1979

Dr. Jay S. Huebner, 1980

Dr. Frank S. McLaughlin, 1981

Dr. Linda A. Foley, 1982

Dr. Jay A. Smith Jr., 1982

Dr. Richard de R. Kip, 1983

Dr. Leonard J. Lipkin, 1984

Dr. Thomas M. Leonard, 1985

Dr. Gerson Yessin, 1986

Dr. Robert J. Drummond, 1987

Dr. Robert W. Loftin, 1988

Dr. Steven K. Paulson, 1989

Dr. William R. Slaughter, 1990

Mr. Andrew Farkas, 1991

Dr. James B. Crooks, 1992
Mr. William A. Brown, 1993
Dr. John C. Maraldo, 1994
Dr. Jerzy Karylowski, 1995
Dr. Daniel L. Schafer, 1996
Dr. E. Allen Tilley, 1997
Dr. David T. Courtwright, 1998
Dr. Richard B. Bizot, 1999
Dr. Chudley E. Werch, 2000
Ms. Charlotte N. Mabrey, 2001
Dr. Elizabeth L. Furdell, 2002
Dr. Kunisi S. Venkatasubban, 2003
Dr. William J. Wilson, 2004
Dr. B. Jay Coleman, 2005
Dr. Theophilus C. Prousis, 2006
Ms. Louise Freshman Brown, 2007
Dr. Pamela Chally, 2008
Dr. Jeffrey Steagall, 2009
Dr. David Fenner, 2010
Dr. Thomas M. Pekarek, 2011
Dr. Mina Balamoune, 2012
Dr. Judith Rodriguez, 2013
Dr. Kristine Webb, 2014
Dr. Carolyn B. Stone, 2015
Dr. C. Dominik Güss, 2016
Dr. Catherine W. Christie, 2017
Dr. Adel El Safty, 2018
Dr. David Jaffee, 2019
Dr. Gordon Rakita, 2020
Dr. Mei Zhao, 2021

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Outstanding Undergraduate Teaching Awards

Dr. William J. Herrold Jr., 1984
Dr. Robert W. Loftin, 1984
Dr. Yap S. Chua, 1985

Dr. Kenneth M. Jennings, 1985
Dr. E. Allen Tilley, 1986
Ms. Kathaleen C. Bloom, 1986
Dr. Christine E. Rasche, 1987
Dr. Sharon T. Weaver, 1987
Ms. Bettie M. Adams, 1988
Dr. Ray Bowman, 1988
Dr. Lawrence K. Carpenter, 1988
Dr. Virginia S. Raiser, 1988
Dr. Mary Sue Terrell, 1988
Dr. William J. Wilson, 1988
Dr. Mary Borg, 1989
Dr. Linda Foley, 1989
Dr. Elizabeth Furdell, 1989
Dr. John McEldowney, 1989
Dr. James Mittelstadt, 1989
Dr. Charles Winton, 1989
Dr. Joan Bray, 1990
Dr. Faiz Al-Rubae, 1990
Dr. Paul M. Mason, 1990
Dr. F. Layne Wallace, 1990
Ms. Louise Brown, 1991
Dr. William F. Prince, 1991
Dr. M. Sue Terrell, 1991
Dr. Ellinor A. Scheirer, 1991
Dr. Kunisi S. Venkatasubban, 1991
Ms. Diana L. Tanner, 1992
Dr. Mary Elizabeth D'Zamko, 1992
Dr. Mary Lofton Grimes, 1992
Dr. Christine E. Rasche, 1992
Dr. Susan R. Wallace, 1992
Dr. Otilia Salmon, 1993
Dr. Tayeb Giurma, 1993
Dr. Reza Vaghefi, 1993
Mr. Paul Ladnier, 1993
Dr. William Herrold, 1993
Dr. Ping Sa, 1994
Dr. William Tomlinson, 1994
Dr. John Tucker, 1994

Dr. William J. Wilson, 1994
Dr. Simin Vaghefi, 1994
Dr. Edward A. Healy, 1995
Dr. Leonard J. Lipkin, 1995
Dr. Debra Murphy, 1995
Dr. Terry R. Tabor, 1995
Dr. Cheryl J. Frohlich, 1995
Dr. Jeffrey E. Michelman, 1995
Dr. Pamela S. Chally, 1996
Mr. Donald Zentz, 1996
Ms. Diana L. Tanner, 1996
Dr. Adel N. Boules, 1996
Dr. Joseph A. Butler, 1996
Dr. Paula Horvath-Neimeyer, 1996
Dr. Janet E. Bosnick, 1997
Dr. James B. Crooks, 1997
Dr. Virginia M. Duff, 1997
Dr. Bruce A. Gutknecht, 1997
Dr. Douglas M. Kleiner, 1997
Dr. Katherine M. Robinson, 1997
Dr. Michael P. Smith, 1997
Dr. David T. Courtwright, 1998
Dr. Patricia H. Foster, 1998
Dr. Betty G. Gilkison, 1998
Dr. Scott H. Hochwald, 1998
Dr. Edward A. Johnson, 1998
Dr. Samuel Kimball, 1998
Dr. Pamela A. Monteleone, 1998
Dr. Janice A. Wood, 1998
Dr. Faiz Al-Rubae, 1999
Mr. Kevin S. Bales, 1999
Dr. Elizabeth L. Furdell, 1999
Dr. Doreen Radjenovic, 1999
Dr. Eric W. Robinson, 1999
Ms. Diana L. Tanner, 1999
Dr. Ellen M. Wagner, 1999
Dr. B. Jay Coleman, 2000
Dr. John A. Eisler, 2000
Dr. Cheryl J. Frohlich, 2000

Dr. William R. Holcomb, 2000
Dr. Rebecca A. Marcon, 2000
Dr. Debra L. Murphy, 2000
Dr. Jeffrey W. Steagall, 2000
Dr. David T. Courtwright, 2001
Dr. J. Michael Francis, 2001
Dr. Adel N. Boules, 2001
Dr. Michael Lentz, 2001
Dr. Kim B. Capriotti, 2001
Dr. Lilla M. Loriz, 2001
Dr. Yap S. Chua, 2001
Dr. Sharon C. Cobb, 2002
Dr. Daniel Dreibelbis, 2002
Dr. Roger E. Eggen, 2002
Dr. Edward A. Johnson, 2002
Dr. Hans Herbert Kögler, 2002
Dr. Kristine Webb, 2002
Dr. Pamela A. Zeiser, 2002
Dr. Sanjay P. Ahuja, 2003
Dr. Homer L. Bates, 2003
Dr. Peter Braza, 2003
Dr. Cory R. Fine, 2003
Dr. Len Roberson, 2003
Dr. Behrooz Seyed-Abbasi, 2003
Ms. Diane L. Tanner, 2003
Dr. Berrin A. Beasley, 2004
Dr. Kathaleen C. Bloom, 2004
Dr. Ray D. Bowman, 2004
Dr. Stuart J. Chalk, 2004
Dr. Rebecca A. Marcon, 2004
Dr. David M. Schwam-Baird, 2004
Dr. M. Lynn Woolsey, 2004
Dr. Faiz B. Al-Rubae, 2005
Dr. Catherine Cavanaugh, 2005
Dr. David T. Courtwright, 2005
Dr. Jace Hargis, 2005
Dr. Christopher J. Joyce, 2005
Dr. Donna M. Keenan, 2005
Dr. Anthony M. Rossi, 2005

Mr. Mark Ari, 2006
Dr. Yemisi A. Bolumole, 2006
Dr. Nick W. Hudyma, 2006
Dr. Krista E. Paulsen, 2006
Dr. Gordon F. M. Rakita, 2006
Dr. M. Alexandra Schonning, 2006
Dr. Pamela A. Zeiser, 2006
Dr. Sharon C. Cobb, 2007
Dr. Daniel Dreibelbis, 2007
Dr. Jennifer J. Kane, 2007
Dr. Barbara J. Kruger, 2007
Mr. Dominick Martorelli, 2007
Dr. Daniel C. Moon, 2007
Dr. Thomas M. Pekarek, 2007
Dr. Frederick D. Pragasam, 2007
Mr. Russell Turney, 2007
Dr. Faiz B. Al-Rubaei, 2008
Dr. Peter Scott Brown, 2008
Dr. Dale Casamatta, 2008
Dr. Matt R. Gilg, 2008
Dr. Karen B. Patterson, 2008
Dr. Ping Sa, 2008
Dr. Dong-Yuan (Debbie) Wang, 2008
Dr. Christine L. Weber, 2008
Dr. Sharon T. Wilburn, 2008
Mr. Mark Ari, 2009
Dr. Mina Balamoune-Lutz, 2009
Ms. Melissa Bush, 2009
Dr. Andres Gallo, 2009
Dr. Chris Leone, 2009
Dr. Jeffrey Michelman, 2009
Dr. Judy Ochrietor, 2009
Dr. Barbara Olinzock, 2009
Dr. Jennifer Wesely, 2009
Mr. William Ahrens, 2010 (Nursing)
Dr. Emily Douglass, 2010 (Art and Design)
Dr. Adel El-Saftey, 2010 (Engineering)
Dr. Paul Fadil, 2010 (Management)
Dr. Michele Moore, 2010 (Public Health)

Mrs. Diana Tanner, 2010 (Accounting and Finance)
Dr. Cara Tasher, 2010 (Music)
Dr. Rico Vitz, 2010 (Philosophy)
Dr. Pamela Zeiser, 2010 (Political Science and Public Administration)
Dr. Nancy Correa-Matos, 2011 (Nutrition and Dietetics)
Dr. Cynthia L. Cummings, 2011 (Nursing)
Dr. Reham Eltantawy, 2011 (Marketing and Logistics)
Ms. Jennifer Hager, 2011 (Art and Design)
Dr. Katrina W. Hall, 2011 (Childhood Education)
Dr. Cliff Ross, 2011 (Biology)
Dr. JeffriAnne Wilder, 2011 (Sociology and Anthropology)
Dr. Lunetta M. Williams, 2011 (Childhood Education)
Dr. Mei Zhao, 2011 (Public Health)
Dr. Erin K. Bennett, 2012 (Music)
Dr. Michelle Boling, 2012 (Clinical and Applied Movement Sciences)
Dr. Christopher Brown, 2012 (Civil Engineering)
Dr. Alison J. Bruey, 2012 (History)
Dr. Sharon C. Cobb, 2012 (Economics and Geography)
Dr. BJ Coleman, 2012 (Management)
Dr. Christopher Johnson, 2012 (Economics and Geography)
Dr. Judith Ochrietor, 2012 (Biology)
Dr. Otilia Salmon, 2012 (Foundations and Secondary Education)
Dr. John White, 2012 (Foundations and Secondary Education)
Mr. Mark Ari, 2013 (English)
Dr. Krzysztof K. Biernacki, 2013 (Music)
Dr. Richard H. Chant, 2013 (Foundations and Secondary Education)
Dr. D. Rob Haley, 2013 (Public Health)
Ms. Louanne B. Hawkins, 2013 (Honors and Scholarship Program)
Mr. Stephen Heywood, 2013 (Art and Design)
Dr. Clarence B. Hines, 2013 (Music)
Dr. Lori Lange, 2013 (Psychology)
Dr. Pamela A. Monteleone, 2013 (English)
Dr. David Waddell, 2013 (Biology)
Dr. Lian An, 2014 (Economics and Geography)
Dr. Elissa M. Barr, 2014 (Public Health)
Dr. Ching-Hua Chuan, 2014 (Computing)
Dr. Paul D. Eason, 2014 (Engineering)
Dr. Caroline A. Guardino, 2014 (Exceptional, Deaf, and Interpreter)

Education)

Dr. Alan Harris, 2014 (Engineering)

Dr. Amy L. Lane, 2014 (Chemistry)

Dr. Christopher T. Leone, 2014 (Psychology)

Dr. Ping Sa, 2014 (Mathematics and Statistics)

Dr. Madalina F. Tanase, 2014 (Foundations and Secondary Education)

Dr. Carlyne Ali-Khan, 2015 (Foundations and Secondary Education)

Dr. Tracy P. Alloway, 2015 (Psychology)

Dr. Peter S. Brown, 2015 (Art and Design)

Dr. Pieter J. de Jong, 2015 (Accounting and Finance)

Dr. Leslie G. Kaplan, 2015 (Honors and Scholars Program)

Dr. Christos Lampropoulos, 2015 (Chemistry)

Dr. Chung-Ping Loh, 2015 (Economics and Geography)

Dr. Julie W. Merten, 2015 (Public Health)

Dr. Aaron Spaulding, 2015 (Public Health)

Dr. Dong-Yuan Wang, 2015 (Psychology)

Dr. Juan Aceros, 2016 (Engineering)

Dr. Emma J. I. Apatu, 2016 (Public Health)

Dr. Daniel L. Dinsmore, 2016 (Foundations and Secondary Education)

Mr. Trevor T. Dunn, 2016 (Art and Design)

Dr. Bryan A. Knuckley, 2016 (Chemistry)

Dr. Erin Largo-Wight, 2016 (Public Health)

Dr. Jonathan D. Matheson, 2016 (Philosophy and Religious Studies)

Dr. Thomas J. Mullen, 2016 (Chemistry)

Dr. Jody S. Nicholson-Bell, 2016 (Psychology)

Dr. David L. Sheffler, 2016 (History)

Ms. Vanessa Cruz, 2017 (Art and Design)

Dr. Brandi Denison, 2017 (Philosophy and Religious Studies)

Ms. Diane Denslow, 2017 (Management)

Dr. Maria Fernandez Cifuentes, 2017 (Languages, Literatures, and Cultures)

Dr. Joshua Gellers, 2017 (Political Science and Public Administration)

Ms. Jennifer Hager, 2017 (Art and Design)

Dr. Corinne Labyak, 2017 (Nutrition and Dietetics)

Ms. Jamie Moon, 2017 (Biology)

Dr. John Nuzzkowski, 2017 (Mechanical Engineering)
Dr. Heather Truelove, 2017 (Psychology)
Ms. Deborah M. Owen, 2018 (Public Health)
Mrs. Diane L. Tanner, 2018 (Accounting and Finance)
Dr. Joshua J. Melko, 2018 (Chemistry)
Dr. Jennifer L. Lieberman, 2018 (English)
Dr. Norman H. Rothschild, 2018 (History)
Dr. Michelle R. DeDeo, 2018 (Mathematics and Statistics)
Dr. Erin K. Bennett, 2018 (Music)
Dr. Jenny M. Stuber, 2018 (Sociology, Anthropology, and Social Work)
Dr. Ching-Hua Chuan, 2018 (Computing)
Dr. Stephen P. Stagon, 2018 (Mechanical Engineering)
Dr. Hanadi Hamadi, 2019 (Health Administration)
Dr. Daniel Santavicca, 2019 (Physics)
Dr. David Waddell, 2019 (Biology)
Dr. Anne Pfister, 2019 (Anthropology)
Dr. Katherine Hooper, 2019 (Psychology)
Dr. John White, 2019 (Foundations and Secondary Education)
Dr. Craig Hargis, 2019 (Construction Management)
Dr. Sarah Mattice, 2019 (Philosophy)
Dr. Pingying Zhang, 2019 (Management)
Dr. Debbie Reed, 2019 (Exceptional, Deaf, and Interpreter Education)
Dr. Constanza Lopez, 2020 (Languages, Literatures, and Cultures)
Dr. Jennifer Kilpatrick, 2020 (Exceptional, Deaf, and Interpreter Education)
Dr. Swapnoneel Roy, 2020 (Computing)
Mr. Mark Ari, 2020 (English)
Dr. Michael Cherbonneau, 2020 (Criminology and Criminal Justice)
Dr. Sheila Goloborotko, 2020 (Art, Art History, and Design)
Dr. Russell Triplett, 2020 (Economics and Geography)
Dr. Angela Mann, 2020 (Psychology)
Dr. Hannah Malcolm, 2020 (Chemistry)
Dr. Sericea Stallings Smith, 2020 (Public Health)
Dr. Keith Ashley, 2021 (Sociology, Anthropology, and Social Work)
Dr. Grace Bosse, 2021 (Physics)
Dr. Erin Bodnar, 2021 (Music)
Dr. Grant Bevill, 2021 (Engineering)

Dr. James Beasley, 2021 (English)
Dr. Charles Closmann, 2021 (History)
Dr. Wanyong Choi, 2021 (Leadership, School Counseling, and Sport Management)
Dr. Quincy Gibson, 2021 (Biology)
Dr. Rob Haley, 2021 (Health Administration)
Dr. Elizabeth Stotz Potter, 2021 (Biology)

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Outstanding Graduate Teaching Award

Dr. Elinor A. Scheirer, 2007
Dr. Lynne Carroll, 2008
Dr. Tes Tuason, 2009 (Psychology)
Dr. Dan Moon, 2010 (Biology)
Dr. J. Michael Francis, 2011 (History)
Dr. Jennifer K. Weseley, (Criminology and Criminal Justice)
Dr. Christopher A. Janson, 2012 (Leadership, School Counseling, and Sport Management)
Dr. Jeffrey E. Michelman, 2013 (Accounting and Finance)
Dr. Sherry L. Shaw, 2013 (Exceptional, Deaf and Interpreter Education)
Dr. Tammie M. Johnson, 2014 (Public Health)
Dr. John P. McDonough, 2014 (Nursing)
Dr. Eric G. Johnson, 2015 (Biology)
Dr. Lori J. Lange, 2015 (Psychology)
Dr. Caroline Guardino, 2016 (Exceptional, Deaf, and Interpreter Education)
Dr. O Patrick Kreidl, 2016 (Engineering)
Dr. James Churilla, 2017 (Clinical and Applied Movement Sciences)
Dr. Katrina Hall, 2017 (Childhood Education, Literacy, and TESOL)
Dr. Christopher T. Leone, 2018 (Psychology)
Dr. Karthikeyan Umapathy, 2018 (Computing)
Dr. Mary Beal, 2019 (Economics)
Dr. Daniel Dinsmore, 2019 (Foundations and Secondary Education)
Dr. Tes Tuason, 2020 (Public Health)
Dr. Rob Haley, 2020 (Health Administration)
Dr. Denise Bossy, 2021 (History)

Outstanding Faculty Scholarship Award

Dr. Denis R. Bell, 1998
Dr. Chudley E. Werch, 1998
Dr. Christopher T. Leone, 1999
Dr. Kunisi S. Venkatasubban, 1999
Mr. Andrew Farkas, 2000
Dr. Iver Iversen, 2000
Dr. Jerzy J. Karylowski, 2001
Dr. A. Coskun Samli, 2001
Dr. Thomas L. Barton, 2002
Dr. David T. Courtwright, 2002
Dr. Linda A. Foley, 2002
Dr. B. Jay Coleman, 2003
Dr. Daniel L. Schafer, 2003
Dr. Cynthia A. Nyquist-Battie, 2004
Dr. Theophilus C. Prousis, 2004
Ms. Louise F. Brown, 2005
Dr. Thomas M. Pekarek, 2005
Dr. Elizabeth L. Furdell, 2006
Dr. A. Samuel Kimball, 2006
Dr. Anthony M. Rossi, 2007
Dr. William F. Klostermeyer, 2008
Dr. Jeffrey E. Michelman, 2008
Dr. Mina Baliamoune-Lutz, 2009
Dr. Carolyn Stone, 2009
Dr. Lev V. Gasparov, 2010 (Physics)
Dr. Richard F. Patterson, 2010 (Mathematics and Statistics)
Dr. C. Dominik Guess, 2011 (Psychology)
Dr. John D, Hatle, 2011 (Biology)
Dr. David T. Courtwright, 2012 (History)
Dr. Paul A. Fadil, 2012 (Management)
Dr. Ma Teresa Tuason, 2012 (Public Health)
Dr. Michele J. Moore, 2013 (Public Health)
Dr. Dag E. Naslund, 2013 (Management)
Dr. Adel K. El Safty, 2013 (Civil Engineering)

Dr. Matthew R. Gilg, 2014 (Biology)
Dr. Michael W. Lufaso, 2014 (Chemistry)
Dr. Theo C. Prousis, 2014 (History)
Dr. Brian J. Fisak, 2015 (Psychology)
Mr. Stephen Heywood, 2015 (Art and Design)
Dr. Cliff Ross, 2015 (Biology)
Dr. Doria F. Bowers, 2016 (Biology)
Dr. James J. Gelsleichter, 2016 (Biology)
Dr. Reham A. Eltantawy, 2016 (Marketing and Logistics)
Dr. Sanjay Ahuja, 2017 (Computing))
Dr. Denise I. Bossy, 2017 (History)
Dr. Kenneth Laali, 2017 (Chemistry)
Dr. Mina Bali moune, 2018 (Economics and Geography)
Dr. Jennifer K. Hager, 2018 (Art and Design)
Dr. Carolyn B. Stone, 2018 (Educational Leadership, School
Counseling and Sport Management)
Dr. Tracy Alloway, 2019 (Psychology)
Dr. Daniel Dinsmore, 2019 (Foundations and Secondary Education)
Dr. James Churilla, 2019 (Clinical and Applied Movement Sciences)
Dr. Julie Ingersoll, 2019 (Religious Studies)
Dr. Jennifer Lieberman, 2020 (English)
Dr. Daniel Santavicca, 2020 (Physics)
Dr. Heather Truelove, 2020 (Psychology)
Dr. Laura Heffernan, 2021 (English)
Dr. Josh Gellers, 2021 (Political Science and Public Administration)
Dr. Jenny Stuber, 2021 (Sociology, Anthropology, and Social Work)

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Outstanding International Leadership Award

Dr. J. Michael Francis, 2009
Dr. Mei Zhao, 2009
Dr. Pamela Zeiser, 2010 (Political Science and Public
Administration)
Dr. Rob Haley, 2010 (Public Health)
Dr. Mina Bali moune-Lutz, 2011 (Economics and Geography)
Dr. Debra Murphy, 2011 (Art and Design)
Dr. Leslie Kaplan, 2012 (Honors Program)
Dr. Paul A. Fadil, 2012 (Management)

Dr. Pieter de Jong, 2013 (Accounting and Finance)
Dr. Adel El Safty, 2013 (Engineering)
Dr. Paul Eason, 2014 (Engineering)
Dr. Tracy P. Alloway, 2014 (Psychology)
Dr. Marnie Jones, 2015 (English)
Mr. Raymond Gaddy, 2015 (Art and Design)
Dr. Cara Tasher, 2016 (Music)
Dr. Deborah Owen, 2016 (Public Health)
Dr. Sue Syverud , 2017 (Exceptional, Deaf, and Interpreter Education)
Dr. Judy Comeaux, 2017 (Nursing)
Dr. Shira Schwam-Baird, 2018 (Languages, Literatures, and Cultures)
Dr. Emma Apatu, 2018 (Public Health)
Dr. Josh Gellers, 2019 (Political Science and Public Administration)
Dr. Sericea Stallings-Smith, 2019 (Public Health)
Dr. Vanessa Cruz, 2020 (Art, Art History and Design)
Anne Pfister, 2020 (Sociology, Anthropology and Social Work)

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Outstanding International Service Award

Greshka German, 2009
Mary Beth Janson, 2010 (Medical Compliance)
Dr. Leslie Kaplan, 2012 (Honors Program)
Dr. Paul A. Fadil, 2012 (Management)
Melinda Rojas, 2013 (Academic Center for Excellence)
Margaret Partyka, 2014 (Cashier's Office)
Leanne Thomas, 2015 (Controller's Office)
Nicole Irvin, 2016 (Housing)
Bruce Turner, 2017 (Academic Center for Excellence)
Michael Boyles, 2018 (Center for Instruction and Research Technology)
Valerie Stevenson, 2019 (Controller)
Dana Deal, 2020 (Arts and Sciences)
Sarah Morris, 2020 (English Language Program)

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Outstanding Faculty Service Award

Dr. Judith L. Solano, 1998
Dr. Stephen L. Shapiro, 1998
Dr. Christine E. Rasche, 1999
Dr. Elinor A. Scheirer, 1999
Ms. Kathleen F. Cohen, 2000
Ms. Diane L. Tanner, 2000
Dr. Faiz Al-Rubaei, 2001
Dr. William H. Tomlinson, 2001
Dr. Ray D. Bowman, 2002
Dr. Paul M. Mason, 2002
Dr. Lucy B. Trice, 2002
Dr. B. Jay Coleman, 2003
Dr. Leonard J. Lipkin, 2003
Dr. Paula H. Horvath-Neimeyer, 2004
Dr. Judith C. Rodriguez, 2004
Dr. Kathaleen C. Bloom, 2005
Dr. Pamela S. Chally, 2005
Dr. Christopher T. Leone, 2006
Dr. Jeffrey E. Michelman, 2006
Dr. Jeffrey W. Steagall, 2007
Dr. Kristine Webb, 2007
Dr. Candice C. Carter, 2008
Dr. J. Patrick Plumlee, 2008
Dr. Sharon Cobb, 2009
Ms. Diane Tanner, 2009
Dr. Mina Balamoune-Lutz, 2010 (Economics and Geography)
Dr. Barbara Kruger, 2010 (Nursing)
Dr. Debra L. Murphy, 2011 (Art and Design)
Dr. JoAnn M. Nolin, 2011 (Public Health)
Dr. Gordon F. Rakita, 2012 (Sociology and Anthropology)
Dr. Barbara J. Olinzock, 2012 (Nursing)
Dr. Scott H. Hochwald, 2013 (Mathematics and Statistics)
Dr. Katherine M. Robinson, 2013 (Nursing)
Dr. Daniel C. Moon, 2014 (Biology)
Dr. Jennifer K. Wesely, 2014 (Criminology and Criminal Justice)
Dr. Matthew T. Corrigan, 2015 (Political Science and Public Administration)
Dr. Susan M. Perez, 2015 (Psychology)
Dr. John White, 2016 (Foundations and Secondary Education)

Mr. Mark Ari, 2016 (English)
Dr. John Hatle, 2017 (Biology)
Dr. Paul Eason, 2017 (Mechanical Engineering)
Dr. Cheryl J. Frohlich, 2018 (Accounting and Finance)
Dr. Otilia L. Salmon, 2018 (Foundations and Secondary Education)
Dr. Paul Fadil, 2019 (Management)
Dr. Alan Harris, 2019 (Electrical Engineering)
Dr. Mina Balamoune-Lutz, 2020 (Economics and Geography)
Dr. Kim Cheek, 2020 (Teaching, Learning and Curriculum)
Dr. Caroline Guardino, 2021 (Exceptional, Deaf and Interpreter Education)
Dr. Katherine Hooper, 2021 (Psychology)

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Outstanding Faculty Community Engaged Scholarship Award

Dr. Barbara J. Kruger, 2013 (Nursing)
Dr. Rebecca A. Marcon, 2014 (Psychology)
Dr. Jeffry A. Will, 2015 (Sociology, Anthropology and Social Work)
Dr. Christopher Janson, 2016 (Leadership, School Counseling, and Sport Management)
Dr. Dan Richard, 2017 (Psychology)
Dr. Jody Nicholson-Bell, 2018 (Psychology)
Dr. Jennifer Wesely, 2019 (Criminology and Criminal Justice)
Dr. Angela Mann, 2020 (Psychology)
Dr. Claudia Sealey-Potts, 2021 (Nutrition and Dietetics)

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Outstanding Adjunct Teaching Award

Mr. David Blanton, 2017 (English)
Mr. Nicholas Eastham, 2017 (Education)
Ms. Nell Robinson, 2017 (Nutrition and Dietetics)
Mr. D. Lance Vickery, 2017 (Art and Design)
Ms. Nicole L Nelson, 2018 (Clinical and Applied Movement Sciences)
Ms. Amy H. Keagy, 2018 (Biology)
Mr. Michael J. Mastronicola, 2018 (Music)
Mr. Michael A. Taylor, 2018 (Music)

Ms. Colleen Kalynych, 2019 (Public Health)
Mr. Jan Duggar, 2019 (Economics)
Ms. Heidi Mazone, 2019 (History)
Ms. Dianne Taylor, 2019 (Leadership, School Counseling and Sport Management)
Ms. Lauren Carey, 2020 (English)
Ms. Sarah Hartley, 2020 (Music)
Ms. Danielle Hoyt, 2020 (Mathematics and Statistics)
Ms. Julie Shafer, 2020 (Nursing)
Ms. Deana Barone, 2021 (Music)
Ms. Randi Mitchell, 2021 (Exceptional, Deaf and Interpreter Education)
Ms. Brittany Fouche, 2021 (Music)
Ms. Jelena Brezjanovic-Shogren, 2021 (Sociology, Anthropology, and Social Work)

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Outstanding Undergraduate Advisor Award

Valerie Brooks-Clark, 1990
Paul N. Higbee, 1991
Donald K. Graham, 1991
Arva W. Leath-Sufi, 1992
Josephine Fraizer, 1993
Michele Clements, 1994
Norma R. Stice, 1995
Rachel Broderick, 1996
Michele Clements, 1997
Valerie Holsey-Esguerra, 1998
Kellie G. Woodle, 1999
Rachel Broderick, 2000
Katharine Brown, 2001
Lisa Jamba, 2002
Angela Garcia, 2003
Keith E. Martin, 2004
Sandie Loach, 2005
Michael Murillo, 2006
Bruce Turner, 2007
Morgan Barnett, 2008

Miwa Nguyen, 2009

Annette Robinette, 2010 (Academic Center for Excellence)

Paul Schreier, 2011

Terry DeRubeis, 2012 (Coggin College of Business)

Dr. Mei Zhao, 2011 (Public Health)

Erin K. Bennett, 2012 (Music)

Greshka German-Stuart, 2013 (College of Arts and Sciences)

Ken Hill, 2014 (Secondary Education and Sport Management)

LeAnn Anderson, 2015 (Psychology)

Deborah Kochanowski, 2016 (Brooks College of Health)

Liz Peter, 2017 (Hicks Honors College)

Kelly Marton, 2018 (Coggin College of Business)

Melissa Tucker, 2019 (Hicks Honors College)

Ashley Washington, 2020 (College of Arts and Sciences)

Hailey Sackett, 2021 (College of Education and Human Services)

[^Go to top](#)



UNF Welcome Center

UNF Campus Tours

The University of North Florida invites you to visit and spend a day with our Swoop Squad touring the campus. See what the hallmarks of a UNF education are all about as they come to life. Talk to our students. Walk our campus. Our tour guides will share first-hand knowledge and student experiences through a walk around our nature preserve campus. Limited space is available on each Swoop Squad campus tour, so we request that those planning to attend reserve a space in advance through our online reservation system. Individuals who need an accommodation because of a disability may notify the UNF Welcome Center at least 48 hours before their arrival for assistance. All inquiries can be directed to the UNF Welcome Center at (904) 620-1183.

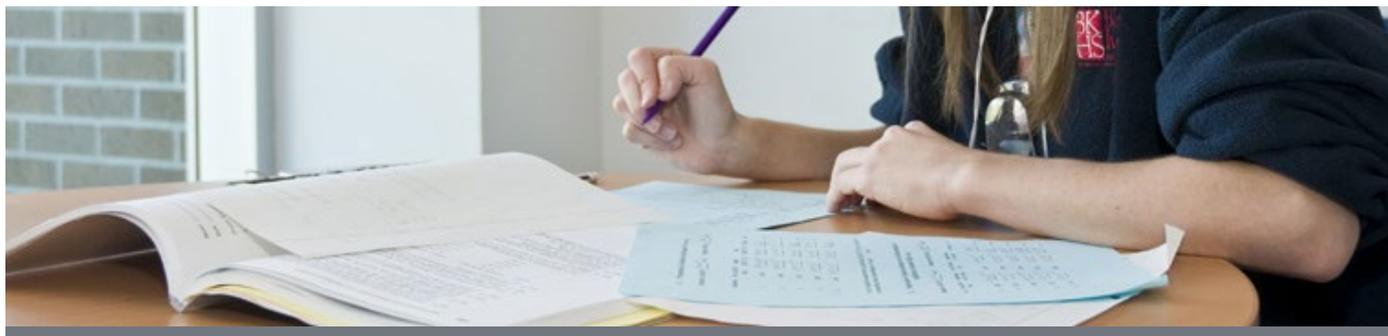
For more information, please check out the [UNF Welcome Center webpage](#).



[UNF Academic Calendar](#)

The [UNF Academic Calendar](#) provides pertinent information such as class start and end dates, registration periods, when grades will be posted, and commencement times and locations as well as various other deadlines.

To view these dates, times, and more, the [UNF Academic Calendar](#) is the right place to go.



Academic Advising

Mission

The mission of Academic Advising at UNF is creating an advising environment in which advisors assist students in achieving their intellectual and personal goals. Advising at UNF strives to provide an inclusive environment whereby all students are supported in making responsible and informed decisions regarding their educational and career plans that are consistent with their values, interests, and abilities. UNF's diverse student population will be provided tools and resources to empower them in becoming lifelong learners.

Advising Philosophy

UNF advisors strive to guide students towards their academic goals by providing information, references, and advice; however, they will not make choices for the student. Advising is an engaging process between the advisor and the advisee where ultimately the student is in full control of his/her educational experience. Academic advisors are the resource to help students succeed.

Goals of Advising

The members of the Academic Advising Council (AAC) respect and support the institution's vision, mission, and goals, recognizing the shared responsibility of the university community to accomplish these goals.

1. Ensure that students have access to knowledgeable and informed advisors in a supportive and open environment with care and respect.
2. Mentor students as they explore and clarify their educational,

- career, and life goals.
3. Develop educational and career plans consistent with student values, interests, and abilities.
 4. Provide accurate information about educational opportunities, requirements, policies and procedures.
 5. Educate students on appropriate support services to meet individual needs.
 6. Educate students on transformational learning opportunities such as internships, research, and study abroad.

Advisor Responsibilities

To support the core values of the UNF advising program, advisors will:

- Participate in ongoing professional development and advising education.
- Access technology that supports and enhances their ability to work with students.
- Be attentive and respectful in their interactions with students.
- Promote intentional programs for new students that introduce them to opportunities for intellectual and personal growth.
- Foster and support relationships with and refer students to campus programs, offices, and personnel that facilitate intellectual and personal growth.
- Continually challenge and support students in their pursuit of meaningful university experiences and progress toward achievement of individual educational goals.
- Establish a positive working relationship with students through using effective communication styles.
- Assist students in making connections between their interests and abilities and available educational programs.
- Promote connections between students and faculty.
- Promote an intentional decision making process and demonstrate how students can effectively use it. Provide an open environment in which students can explore educational options.
- Understand, adhere to, and effectively communicate their understanding of university requirements, policies, and procedures.
- Demonstrate knowledge of university resources and make appropriate referrals.
- Demonstrate knowledge of student development theory as it applies to academic advising and student success.

- Develop and maintain relationships with relevant campus offices which support student success.
- Demonstrate knowledge of transformational learning and research opportunities.
- Develop and maintain relationships that are integral to TLO opportunities.
- Communicate relevance and importance of TLO and study abroad opportunities in relation to students' educational career goals.
- Assist students in making connections between their program of study and available TLO, study abroad, and research.
- Maintain confidentiality and uphold FERPA Regulations.

Advisee Responsibilities

*Note: Students newly admitted to UNF or their academic college and major must meet with their academic advisor within the first semester.

To achieve your ultimate academic goal, you will...

- Prepare to visit your advisor by scheduling appointments and/or coming to walk-in advising early in the semester.
- Arrive early to your appointment and be prepared with all required materials.
- Be knowledgeable of your academic progress and status including: grades, GPA, academic history, academic schedule and standing.
- Clarify personal values and goals, and provide the advisor with accurate information regarding your interests and abilities.
- Learn and comprehend campus policies, procedures, and requirements for graduation.
- Check your University of North Florida e-mail daily and reply, respond or take action as required.
- Conduct yourself in a manner that is professional and respectful to others.
- Expect to be responsible for your own actions and decisions.



First-Year Academic Advising

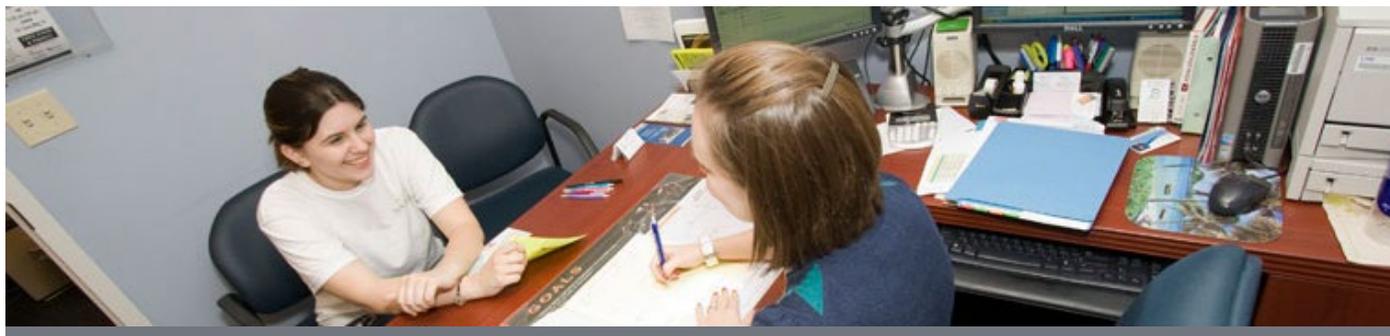
First-Year Advising Office

The First-Year Advising Office provides professional academic advising for all incoming first year students as well as freshmen transfer students and any level student who is still exploring majors. First-Time-In-College (FTIC) students are required to attend New Student Orientation prior to enrolling in their first term at UNF.

Students are assigned an academic advisor at New Student Orientation or at their initial First-Year Advising Office visit. Their assigned advisor will partner with them in making a successful transition to college, assist them with major exploration and course scheduling as well as help students in setting and achieving their academic goals.

First-Year Advising also partners with Faculty members through our Early Academic Alert System (EAAS) and Mid-term grade reports. Faculty refer underperforming students through the myWings grade portal. Academic advisors are able to intervene to determine areas of concern and provide appropriate assistance and/or connect students to additional support resources if necessary. Advisors provide feedback to faculty regarding each student referred.

Visit the [First-Year Advising Office website](#) for additional information. Meet the staff and stay informed on academic policies, updates and academic information in general.



Academic Advising by College

Students admitted to UNF with less than 30 credit hours will be advised in the First-Year Advising Office from Orientation through successful completion of their first year. This includes new freshmen students from high school bringing in any amount of accelerated credit such as Advanced Placement (AP), International Baccalaureate (IB), CLEP, Dual Enrollment and those freshmen who earn their AA degree while completing high school. Upon a student's declaration of a major and achieving the appropriate GPA, eligible students will transition to their college advising office at the completion of earning 30 credit hours or more. Students who choose to continue their major exploration or who are not eligible to transition will continue to be advised by their assigned First-Year Advising Office advisor.

Transfer students admitted with a declared major and 30 hours or more of transfer coursework will be advised by their college advising office. Exploring or undecided transfer students with 30 hours or more of transfer work will begin their academic advising in the First-Year Advising Office until they are eligible to transition to their college academic advising unit.

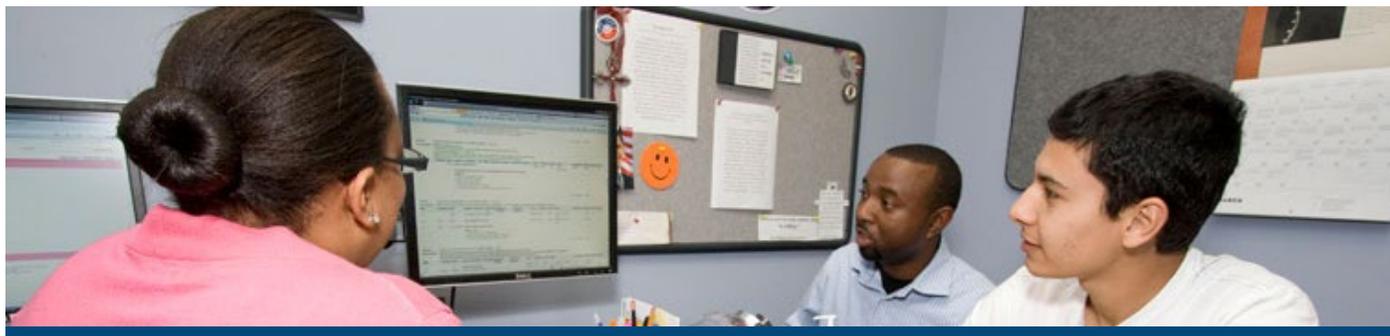
Students admitted to the UNF Hicks Honors College will be advised by an academic advisor in the Hicks Honors College from orientation through graduation. Upon earning 60 credit hours, students will be dually advised by their Hicks Honors College advisor and an academic advisor in their college advising office.

Contact information for academic advising offices:

- [Brooks College of Health](#): (904) 620-2812
- [Coggin College of Business](#): (904) 620-2575
- [College of Arts & Sciences](#): (904) 620-2797

College of Computing, Engineering and Construction

- [School of Computing](#): (904) 620-2985
 - [School of Engineering](#): (904) 620-2970
 - [Construction Management](#): (904) 620-2745
-
- College of Education and Human Services: (904) 620-3934
 - [Hicks Honors College](#): (904) 620-2649



Honors Academic Advising

The Hicks Honors College provides personalized academic advising for students enrolled in the UNF Hicks Honors College. Students entering the program as a First Time in College Student (FTIC), students with less than 30 credit hours, and upper division students with Honors related questions will see an Honors Academic Advisor in the Honors Office. The Honors Academic Advising office provides a focused, one-on-one approach to advising including:

- Detailed information about specific Honors special topics courses
- One-on-one advising sessions throughout the semester
- Developmental advising for probation students, which includes strategies and individualized attention to get probation students back on track
- Group information sessions to provide skills and strategies to succeed at UNF and in the Honors Program

Advising for Honors students is located in the Honors Office, Building 1 Room 1600. You can reach an Honors Academic Advisor by calling the main Honors Office at (904) 620-2649 or by visiting the [Hicks Honors College website](#).

Student Academic Success Services

Student Academic Success Services (SASS), a division of Undergraduate Studies, provides a variety of academic and co-curricular support to UNF students including peer tutoring, Supplemental Instruction, academic coaching, and other peer assisted programming. SASS collaborates with faculty and staff across campus to create resources designed to help undergraduate students achieve their academic goals.

- **Supplemental Instruction** --Supplemental Instruction is a weekly review program designed to help students succeed in historically difficult courses. The program provides study sessions led by students who have successfully completed the course and are eager to help their peers succeed. Students learn how to integrate course content and study skills while working together.
- **Tutoring** - Over 350 hours of peer tutoring are available each week in various locations throughout campus, including the library, housing, and the Undergraduate Studies office.
- **Academic Coaching & Workshops** - Student Academic Success Services offers one-on-one academic coaching appointments on a variety of topics including time management, study skills, public speaking, and preparing for finals. These appointments can be scheduled online at www.unfcoaching.setmore.com.
- **Persistence Advocacy** - Advocates advance student persistence through initiatives targeted at retention, timely progression, and graduation. The program provides additional support to students who may be facing academic or institutional challenges by addressing both individual and systemic needs. Advocates work with students, instructors, and staff to develop action plans that drive success.

For more information about Student Academic Success Services, please visit the [website](#).

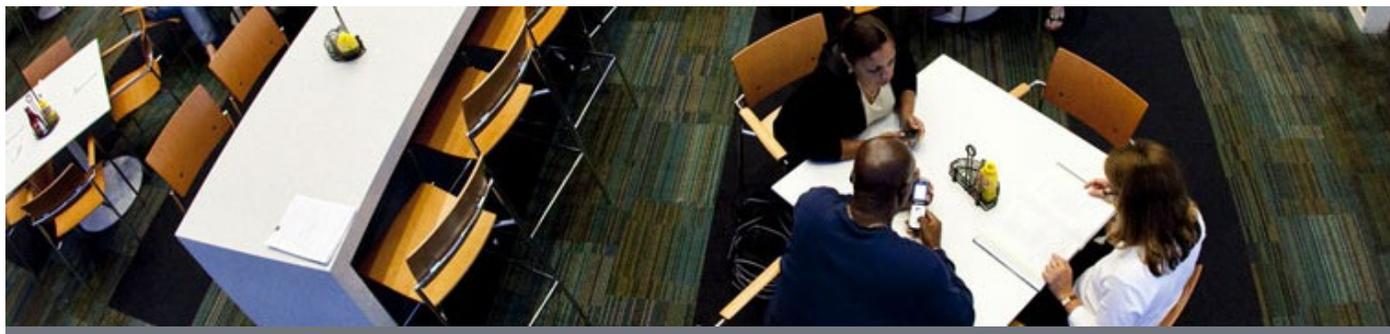


All Students

[Apply Now](#)

The University of North Florida has grown into a popular destination for many aspiring students, and for good reason. Built on a strong foundation of academic excellence, the University offers wonderful experiences for a diverse and academically talented student body.

The information and procedures described in this section of the catalog pertain to all applicants for admission, regardless of student type or level. Use the links to the left to learn more about the procedures and requirements for admission to the University of North Florida.



Criminal Offense Charges

[Apply Now](#)

The University reserves the right to review the case of any student who has been implicated in a criminal offense prior to admission to determine eligibility for admission and participation in extracurricular activities.

At the time of application, students must disclose the final disposition of any past or pending judicial proceedings and submit any pertinent documentation by the admissions deadline.

Applications submitted without complete supporting information will not be processed and are subject to cancelation.



Equal Opportunity/Equal Access/Affirmative Action

Apply Now

The University of North Florida encourages applications from qualified persons and does not discriminate on the basis of race, color, religion, national origin, sexual orientation, veteran's status, disability, age, marital status, or gender. The president has delegated responsibility for the implementation of the University's equal opportunity and non-discrimination policies and affirmative action program to the director, Office of Equal Opportunity and Inclusion (EOI). For more information, contact the [Office of Equal Opportunity and Inclusion](#).



International Student Requirements

Apply Now

In addition to meeting admission standards for their chosen program and major, international students seeking to study at the University of North Florida must satisfy the following requirements in order to be issued a Form I-20. Information related to the admission requirements for specific majors and programs may be found in the [Undergraduate](#) and [Graduate](#) areas of this catalog. For additional information, please contact the [UNF International Center](#)

United States Immigration & Financial Requirements

1. **Certification of Finances:** The Department of Homeland Security requires UNF to ensure that international students have sufficient financial resources before issuing a Certificate of Eligibility (Form I-20). All applicants must complete and submit an Affidavit of Financial Support and Bank Certification. The Affidavit is a document signed by the applicant's sponsor (the person who will be providing the funds) stating the amount of funds that she/he will provide for the educational expenses of the student applicant. A bank official then certifies that the sponsor does have that amount of funds in his/her account. This form represents an obligation on the part of the sponsor to provide the required amount of funds as indicated on the form. Please see "[Estimated Costs of Attendance for International Students](#)" to determine the amount of funds needed to be written on the Affidavit.
2. **Transfer Students:** All applicants intending to transfer from another U.S. university must notify their current school so that the Department of Homeland Security transfer requirements can be initiated. A new form I-20 from UNF cannot be issued

until the current school [transfers](#) the applicant to UNF in the SEVIS program.

Health Requirements

Before enrolling in classes at UNF, all admitted students must supply the following health certifications. These certifications are not necessary in order to apply for admission to UNF; however, they are necessary in order for admitted students to register for classes. Please visit the [Medical Compliance](#) section of the catalog and the [Medical Compliance website](#) for additional information.

1. Certification of Health Insurance: All students in an immigration status of F1 or J1 must show proof of health insurance before registering for classes. All international students are automatically enrolled in the UNF Health Insurance Plan. If you currently have alternative health insurance coverage, you may fill out the International Insurance Evaluation form available from the UNF Medical Compliance office.
2. Certification of Immunization: All students born after 1956 must meet immunization requirements of two doses of Measles and one dose of Rubella. All new matriculating students must provide documentation of vaccination against Meningococcal Meningitis and Hepatitis B unless the student has signed a waiver declining each of these vaccinations and acknowledging receipt and review of the University-provided information concerning Meningitis and Hepatitis B. Please refer to the Medical Compliance Immunization Form.



Medical Compliance Requirements

[Apply Now](#)

Immunization Policy

Pursuant to Florida Board of Governors Regulation 6.001(9), prior to registration, each student accepted for admission at the University of North Florida must submit a signed UNF Immunization Form.

University of North Florida requires documented proof of immunizations to measles and rubella. In addition, pursuant to Florida Board of Governors Regulations 6.007, effective July 1, 2008, all new matriculating students must also provide documentation of vaccinations against meningococcal meningitis and hepatitis B or provide a signed waiver for each declined vaccination.

Acceptable documentation is as follows:

Measles (Rubeola)

Students can be considered compliant for measles only if they have documentation of one of the following:

1. Official documentation of immunization with TWO (2) doses of live measles virus vaccine on or after the first birthday and at least 28 days apart. Persons vaccinated with killed or unknown vaccine prior to 1968 must be revaccinated.
2. Laboratory (serologic) evidence of measles immunity titer.
3. A written, dated statement, signed by a physician on his or her stationery, that specifies the date seen, and stating that the person has had an illness characterized by a generalized rash lasting three or more days, a fever of 101 degrees Fahrenheit or greater, a cough and conjunctivitis, and in the physician's opinion, is diagnosed to have the 10-day measles (Rubeola).

Measles is a highly contagious acute viral infection characterized by

a rash, cough, runny nose, eye irritation and fever. It is extremely communicable and is spread by droplets from the nose and mouth of an infected person to susceptible individuals. Measles can lead to ear infection, pneumonia, seizures, brain damage or even death. In recent years in the U.S., outbreaks have occurred most commonly in adolescents and young adults, including college students. Receiving two doses of the live measles vaccine can provide long-lasting immunity.

Rubella (German Measles)

Students can be considered compliant for Rubella only if they have documentation of at least one of the following:

1. Documentation of immunization with live Rubella virus vaccine on or after the first birthday.
2. Laboratory (serologic) evidence of Rubella immunity titer.

Rubella is a contagious viral infection that causes a rash, mild fever and stiff joints in adults. A woman who gets rubella while pregnant could have a miscarriage or her baby could be born with serious birth defects. Its incidence is low in the U.S. due to the increased number of childhood vaccinations against the disease; however, outbreaks continue to occur in susceptible populations, including college students. The vaccination for rubella produces antibodies in more than 95 percent of recipients.

Mumps is an acute viral infection characterized by muscle ache, tiredness, loss of appetite, headache and fever, followed by swelling of salivary glands. The parotid salivary glands (which are located within your cheek, near your jaw line, below your ears) are most frequently affected. Transmission of mumps virus occurs by direct contact with respiratory droplets, saliva or contact with contaminated fomites. Complications of mumps infection can include deafness, inflammation of the testicles, ovaries, or breasts and spontaneous abortion. In recent years in the U.S., the majority of cases reported occurred among adolescents and young adults, including college students.

Exemptions

1. Students seeking an exemption due to medical conditions must submit documentation from the attending physician.
2. Students seeking an exemption for religious reasons may submit any of the proper religious documentation:
 - a. County Health Department exemption document

- b. A letter from a church or religious organization
 - c. Legal Exemption Document from a Law Office
3. In the event of a measles/Rubella emergency, exempted students will be excluded from all campus activities until such time as is specified by the County Health Unit.

Please contact the [UNF Office of Medical Compliance](#) for additional information.

Meningococcal meningitis is an infection of the fluid of the spinal cord and brain, caused by bacteria and usually spread through exchange of respiratory and throat secretions (i.e. coughing, kissing). Bacterial meningitis can be quite severe and may result in brain damage, hearing loss, learning disability or even death. A vaccine is currently available for one of the most severe forms of bacterial meningitis, meningococcus. This vaccine effectively provides immunity for most forms of meningococcus; there is no vaccine for the less severe viral type of meningitis.

Hepatitis B is a viral infection of the liver caused primarily by contact with blood and other body fluids from infected persons. Hepatitis B vaccine can provide immunity against Hepatitis B infection for persons at significant risk, including people who have received blood products containing the virus through transfusions, drug use, tattoos or body piercing; people who have sex with multiple partners or with someone who is infected with the virus; and health care workers and people exposed to biomedical waste.

Certification of Health Insurance

To comply with the Florida State Board of Governors Regulation BOG 6.009, F-1, F-2, J-1, J-2 visa status students must have a health insurance policy that meets certain criteria. The University of North Florida (UNF) has a policy available that includes benefits that meet the Florida State Board of Governors Regulation. International students also have the option to purchase an alternate policy, as long as the policy meets the Florida State Board of Governors Regulation BOG 6.009 guidelines.

UNF Health Insurance Plan

Information on this plan can be found on the Medical Compliance Website <http://www.unf.edu/shs/immunization.aspx>.

The fee for this plan is automatically assessed on every F/J visa status student's account when tuition fees are assessed and when students select Option 1 on the UNF International Insurance Agreement Form. This form must be completed and submitted **prior** to registration. Payment deadline is the same as the tuition and fee deadline. This form can be found in the student's myWings account and on the Medical Compliance website.

Alternate Insurance Waiver Plan

In order to apply for alternate insurance (Option 2), students must submit an International Student Health Insurance Compliance Form. This form must be completed by both the student and their insurance company. This form can be obtained online at <http://www.unf.edu/shs/immunization.aspx>, as well as in the student's myWings account.

This form may be submitted as early as you wish. However, all alternate insurance coverage must be for the entire semester (or beyond). This form must be submitted and approved **prior** to registration for the upcoming semester.



Residency

Apply Now

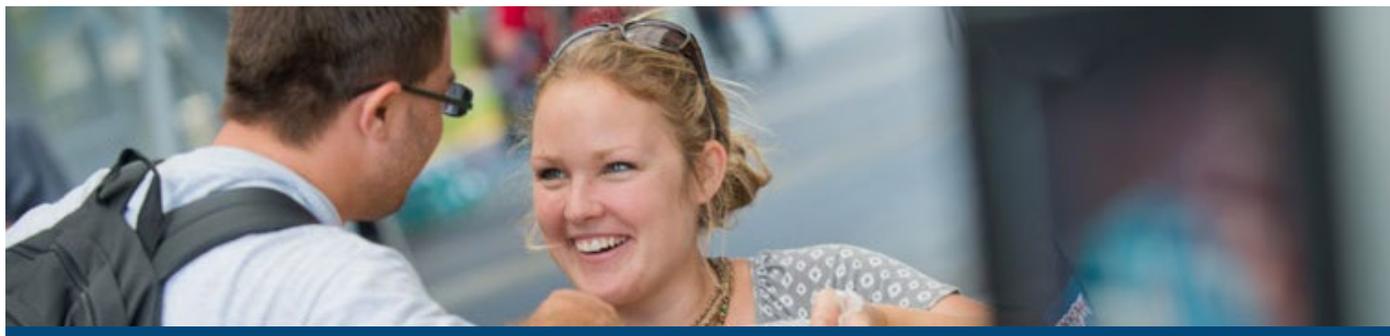
Tuition and fees are assessed on the basis of residency. Enrolling students are classified either as "Florida" or "Non-Florida" students.

The University of North Florida follows laws of the State of Florida, as well as regulations and policy guidelines established by the Florida Board of Governors, in determining residency for tuition purposes. The law allows U.S. citizens and lawful permanent residents to be classified as Florida residents for tuition purposes if the applicant or the dependent applicant's parent/legal guardian has been a legal resident of the state for at least 12 months preceding the first day of classes of the term for which Florida residency is sought.

Proper documentation is required before students are classified as Florida residents for tuition purposes.

For more information on residency requirements, visit [One-Stop Student Services at UNF](#).

View the University's [official regulation](#) and Florida Board of Governors Regulation 7.005, <https://www.flbog.edu/regulations/active-regulations/>.



Special Admission Consideration based on a Disability

Apply Now

The University does not discriminate on the basis of disability in admission or access to its programs or activities. Students who do not meet general admission requirements and have documented proof of a disability (for example: blind or low vision, deaf or hard of hearing, motor or physical disabilities, psychological or emotional disorders, specific learning disabilities, ADHD/ADD, or other disabilities) may request consideration of the disability in the appeal process. Applicants who wish to appeal may submit documentation verifying disability along with a letter of appeal. For more information on the appeal process, please visit the Admissions webpage.

The University advises students with disabilities to register with the Student Accessibility Services (SAS) immediately upon admission to UNF. In order to provide accommodations, a student must be registered with the Student Accessibility Services (SAS).

To register with the SAS, the student must supply the SAS office with written documentation of his/her disability (see [How to Register with the SAS](#)).

Prior UNF students returning for course work after an absence of three consecutive semesters must follow current DRC documentation requirements and policies.

View the University's [official regulation](#).



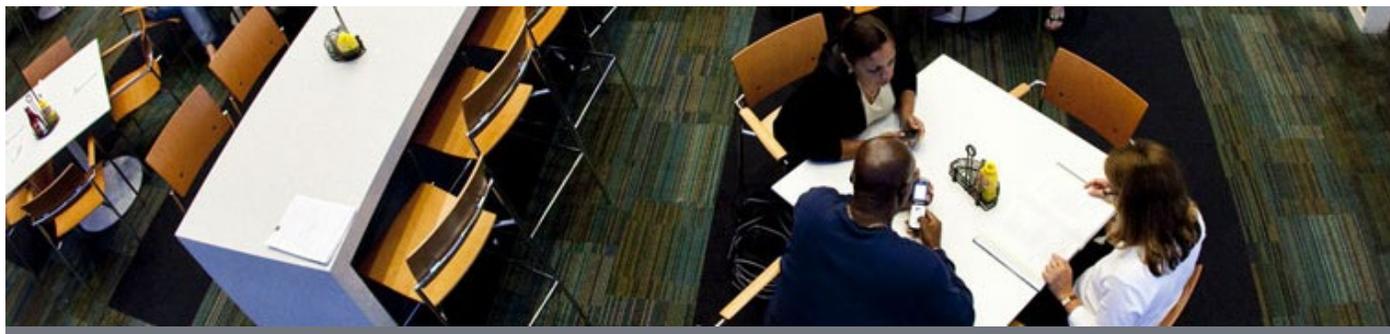
Students Seeking Re-Admission

Apply Now

Any student who has not enrolled at the University in any of the last three consecutive terms and who wishes to re-enroll in the University must apply for re-admission.

In order to be reconsidered for admission, a former student must file a new application for admission and pay the \$30 application fee by the appropriate deadline for the desired semester. Students are also advised to contact the Office of Admissions to confirm which documents (transcripts and test scores) are still on file and if there are additional items required. Students who re-apply are subject to any new admissions requirements and to the program requirements published in the catalog for the academic year in which they re-initiate enrollment at UNF.

View the University's [official policy](#).



[Apply Now](#)

Undergraduate and Post-baccalaureate Students

The University of North Florida has grown into a popular destination for many aspiring students, and for good reason. Built on a strong foundation of academic excellence, the University offers wonderful experiences for a diverse and talented student body.

The information and procedures described in this section of the catalog pertain to Undergraduate Students, including the following student types:

- [First Time in College](#) - Regular freshman admission
- [Transfer](#) - Including Lower- and Upper-Level students
- [Non-Degree Seeking](#) - Including Transient Students
- [Post-baccalaureate](#) - Including Second Bachelor's Degree, Certificate Programs, and Graduate Pre-Requisites

Please view the links to the left for more detailed information.



Dual Enrollment

[Apply Now](#)

Eligible high school students may accumulate up to 6 college credits per semester in fall and spring through a non-traditional program: dual enrollment. Students wishing to apply to this program must be approved by appropriate high school or home school officials. Eligibility for participation is set by written agreement between UNF and the school district, private school, or home school.

Dual enrollment students are not eligible for UNF Admissions scholarships or financial aid.

A limited number of dual enrollment courses are available in the fall and spring semesters. UNF does not offer dual enrollment in the summer. All dual enrollment courses taken through UNF must be approved by the appropriate school officials. Public, private, and home school students planning to participate in dual enrollment should do so in close consultation with their high school counselor to ensure that the courses meet at least one of the following criteria:

1. UNF general education requirements,
2. prerequisite or lower division requirements for the student's intended major,
3. substitution or elective hours in the student's intended major

In addition, comparable high school courses should be unavailable at the applicant's secondary institution and the university must have space available in the requested class. All dual enrollment courses must be applied toward the student's high school graduation.

Eligibility

All applications must be received before the posted general admissions deadline.

To qualify for dual enrollment, a student must:

- submit an [online application](#) and a signed UNF Dual Enrollment application (public or private school applicants) or a completed/signed Home Education Dual Enrollment Articulation Agreement and Application (home school applicants) *Note: application/agreement is valid for one semester only. A new application/agreement must be submitted by the deadline every semester the student wishes to participate in Dual Enrollment,*
- submit official and current high school transcripts reflecting a 3.0 unweighted high school GPA or higher,
- submit official ACT, CPT, PERT, or SAT scores taken within the last two years,
- submit passing scores for the appropriate subsections of the Florida College Entry Level Placement Test, if the student is requesting an English or mathematics course,
- satisfy any course prerequisites.

Registration

Dual enrollment students register for classes each semester during open registration on a space available basis. Before registering each term, student must submit an application, an updated high school transcript, and a signed "terms of agreement" form. All course prerequisites must be satisfied prior to registering.

Tuition and most fees are waived for Dual Enrollment students taking courses at UNF that can also be used for high school graduation. UNF does not provide textbooks or other course materials.

Home School Students

The Dual Enrollment Program at UNF is available to high school students enrolled in a home education program. The Dual Enrollment Program complies with Florida Statute 232.02, which regulates home education programs. In order to participate in dual enrollment at UNF, home school students must meet the admission criteria outlined above, including the submission of official transcripts.



First-Time-in-College Admission Requirements

Apply Now

Beginning Freshman

The University is interested in applicants who have demonstrated strong academic ability and who will bring diverse interests and talents to the campus. All prospective freshmen are required to submit an official copy of their high school transcript and official SAT/ACT score reports. Redesigned Scholastic Assessment Test (rSAT) and American College Test (ACT) scores reflected on the high school record are considered official. We accept applications on a rolling basis, but we recommend submitting your materials as early as the summer prior to your senior year for the best access to financial aid and housing options.

Application Requirements

Please submit the following materials to the Office of Admissions by the [deadline](#) in order to be considered for admission to UNF.

- Admission application
- \$30 Application fee
- Official high school transcripts
- Official transcripts from any credit-earning mechanism
- SAT and/or ACT score reports

All transcripts, test scores and documentation of credit-earning mechanisms must be official, arriving to the Office of Admissions directly from the originating school or testing agency. Official documents are those received directly from the awarding institution or delivered in their original, sealed envelope. All application materials must be received by the Office of Admissions by close-of-business on the deadline date in order to be considered complete.

Admission application

Incoming freshmen may apply for entrance into the spring (January), summer (June), or fall (August) semesters. Students may apply for admission up to one year in advance of their intended enrollment term. Students are required to submit an [online application](#). UNF also participates with the Common Application.

Application fee

A \$30 non-refundable application fee is required for any application for admission. Acceptable payment methods include MasterCard, Discover, Visa or American Express at the time the online application is submitted or personal check/money order made payable to UNF. Students should inquire with their high school guidance office to see if they are eligible for a college application fee waiver.

High school transcripts

It is the student's responsibility to ensure that official high school transcripts have been received by the Office of Admissions by the deadline. Florida public schools should send transcripts electronically, while private and non-Florida schools may mail transcripts to the Office of Admissions.

The Office of Admissions will recalculate a grade point average (GPA) based on the following eighteen academic credits in college preparatory courses. Additional weight is given to grades of "C" or higher earned in honors, Dual Enrollment, Advanced Placement, IB, or AICE courses. While students may not have completed all the required courses at the time an application is submitted, they are required to complete them prior to high school graduation and entrance into UNF.

- Four years of English
- Four years of math (Algebra 1 or higher)
- Three years of natural science
- Three years of social science
- Two successive years of the same foreign language
- Two years of academic electives

Students are required to submit final, official transcripts reflecting graduation from high school no later than 30 days after the start of the term to which they have been admitted.

Transcripts from credit-earning mechanisms

If coursework has been completed through any [credit-earning mechanism](#) at the time of application then students are required to submit official transcripts/score reports to complete their applications before the appropriate deadline date. Incomplete applications will not be processed. Credit-earning mechanisms include, but are not limited to [International Baccalaureate \(IB\)](#), [Advanced Placement \(AP\)](#), [Advanced International Certificate of Education \(AICE\)](#), [Dual Enrollment](#), [College Level Exam Program \(CLEP\)](#), or [Defense Activity for Non-Traditional Education \(DANTES\)](#), or military SMART/Joint transcripts.

SAT and/or ACT score reports

UNF requires all applicants for freshman admission to submit either SAT or ACT scores.

To have SAT or ACT scores sent to the University of North Florida, contact College Board at www.collegeboard.org or (866) 630-9305.

To have ACT scores sent contact American College Testing Program at www.act.org or (319) 337-1313.

UNF's SAT code is 5490 and ACT code is 0711.

The first administration of the Redesigned SAT was March 2016. UNF will accept scores for both versions of the SAT exam for all future terms: those exams taken prior to March 2016 and those taken after that date. We will continue to use your highest subscore from all tests (also known as your superscore) for both admission and scholarship decisions. We will only superscore on the same version of the exam, we will not mix scores from the two versions.

Beginning Spring 2017, UNF will not require the essay section of the SAT or the ACT for either admission or scholarship decisions.

Home School and G.E.D. Students

Home school students must submit transcripts indicating course title, semester, grade, and awarded credit for all academic courses. Official SAT/ACT scores and official transcripts from accelerated mechanisms are also required.

Students who received a G.E.D. must submit evidence of passing scores on the subtests of the G.E.D. exams and a G.E.D. diploma, in addition to official SAT or ACT score reports.

State Academic Standards

The Florida Board of Governors has updated the minimum admission standards for freshman applicants to all Florida public state universities listed in [BOG Regulation 6.002](#). Any student who meets the minimum admission standards in BOG Regulation 6.002 are encouraged to apply. Please keep in mind that the minimum standards only outline potential eligibility for admission to a state university. UNF's admission criteria depends on the size and competitiveness of the applicant pool and will be higher than these minimums.

An overall recalculated grade point average in academic course work as computed by UNF (additional points are assigned to honors, dual enrollment, Advanced Placement, International Baccalaureate, and Cambridge AICE courses) and scores on the SAT or the ACT program are combined to meet the minimum established by the Florida Board of Governors and the University. Some applicants who do not meet these established academic criteria, but who bring to the University other important attributes, may be considered for admission.

Decision notification process

Once an application is complete with all required documents, UNF Admissions will review applications on a 4-6 week turn around. All applicants are notified by a USPS mailed official letter, as well as posted on their myWings account under the Application Status link. Periodically, e-mails are sent out to applicants about missing documents so please check your myWings account to ensure that all official application documents are received.

Appeals process

A student who is denied admission to UNF has a right to [appeal that decision](#). If he or she chooses to appeal, the student must submit a letter of appeal and supporting documentation, detailing the reason the application should be reviewed. Supporting documentation that substantiates the appeal may be sent to the address below:

Admissions Office at the University of North Florida
c/o The Director of Undergraduate Admissions
1 UNF Drive
Jacksonville, FL 32224

Examples of supporting documentation include:

- Updated high school transcripts showing improved academic performance
- Improved SAT or ACT scores sent directly from the testing agency
- If applicable, post secondary transcripts showing satisfactory or improved college course work or
- Documentation to support situations that are out of the student's control, if applicable.

Applicants who wish to appeal based on a disability may submit documentation verifying the disability along with the letter of appeal. If applicable, we recommend updated transcripts or new test scores should be included.

Please note that there is no guarantee an appeal decision will result in admission to the University of North Florida. Please note that the likelihood of a decision will be reversed on appeal is low.

View the University's current [official policy](#).



Foreign Language Requirement

Apply Now

By action of the Florida Legislature, Florida Board of Governors Regulation 6.002, https://www.flbog.edu/wp-content/uploads/6_002FINAL_FTIC_03252020.pdf, undergraduate students who enter a state university in Florida are subject to a foreign language admission requirement. To satisfy the requirement, a student must present evidence of:

- Competency of foreign language or American Sign Language study equivalent to the second high school level or higher, or
- Successfully completing a post-secondary foreign language or American Sign Language elementary two course, or
- Proficiency through a satisfactory score on an approved foreign language examination as determined by the *Articulation Coordinating Committee (ACC) Credit-by-Exam Equivalencies* as adopted by the Board of Governors.

View the University's [official regulation](#).



Freshman Housing

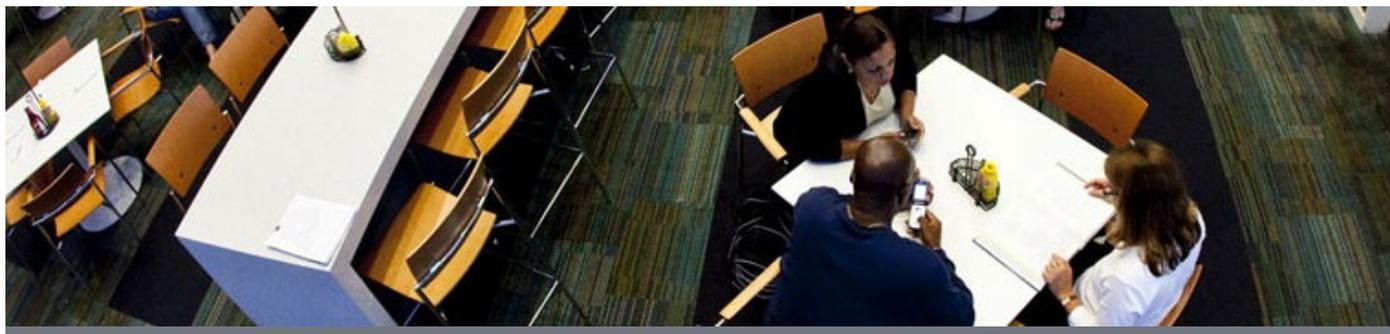
[Apply Now](#)

The University of North Florida is committed to ensuring the academic and personal success of its students. In working to fulfill this commitment, over the past several years we have learned that living in on-campus housing can make a world of difference in what our students take away from their college experience and in their success rates. The benefits of living on campus are especially significant for students who have just graduated from high school and are attending their first year of college. Research tells us that those students who live on campus during their first year

- make a smoother transition from high school to college,
- have higher retention and graduation rates
- report greater satisfaction with their college experience, and
- make better use of the educational and support services provided by their universities than do commuter students.

For these reasons, UNF encourages, but does not require, freshman to live on campus. We believe it is to the student's benefit to live with us on campus and experience living close to his or her classes, professors, academic success programs, the Library, friends and a plethora of out-of-the-classroom activities.

To help build a solid social foundation, first-time-in-college students who are living on campus in our residence halls must also purchase a meal membership from UNF Dining Services. Meal memberships vary in price and quantity (number of meals per week), allowing options for differing schedules and budgets. However, students who do not choose a meal membership will have the 14-meal plan assessed for them about three weeks before the start of the term. To avoid this, please choose your meal membership today. Payment will be due at the start of the term and there is no deposit required.



International Students Admission

Apply Now

Application Requirements

Undergraduate students are accepted each semester, except for limited access and selective access programs. Deadlines for applications and supporting documents may be found online. In order to be considered for admission, applicants must submit all required documents by the posted deadline.

Getting credentials and transcripts evaluated takes a considerable amount of time. In addition, sending or receiving official application materials can often take a very long time. Therefore, applicants should complete their applications as far ahead of the deadline as possible.

- Application Forms: International students must complete and submit an [application for admission](#).
- Application Fee: The application fee is \$30. The application fee must be in U.S. currency only (check or money order) drawn from a U.S. bank.
- Academic Records and Credentials Evaluation: UNF will accept select international transcripts without a foreign evaluation as outlined below. All other international transcripts will require a course-by-course evaluation (post-secondary) or a document-by-document and GPA calculation evaluation (high school) by an approved third-party credential evaluation agency as outlined by the Florida Department of Education or a NACES (National Association of Credential Evaluation Services).
 1. UNF will accept official transcripts from U.S. Department of Defense high schools without a foreign evaluation.
 2. UNF will accept official transcripts from an overseas American school without a foreign evaluation. For purposes of

this statement, an overseas American school is defined as an international high school that is regionally accredited by one of six regional accreditations through the Council for Higher Education Accreditations. In addition, the transcript must state that the student is in the U.S. diploma track at the international high school.

3. UNF will accept international post-secondary coursework without a foreign evaluation for programs within the UNF colleges that have articulated agreements on record.

4. UNF will accept international post-secondary coursework without a foreign evaluation on transcripts that are written in English from institutions considered equivalent to a regionally accredited institution, provided that a clearly defined grading scale and credit-hour conversion is notated on the official transcript. 5. All other international high school and international post-secondary transcripts will require a Florida Department of Education or NACES approved credential evaluation agency.

- SAT and ACT Test Scores: All lower-level applicants must submit official test scores from the SAT Reasoning Test, Redesigned SAT, or the ACT (American College Test).
- English Proficiency: All applicants, except those from countries where English is the only official language, are required to furnish satisfactory evidence of English competency. Most applicants to the University take the *Test of English as a Foreign Language* (TOEFL). However, there are other proofs of English competency that may be used. For a listing of different methods to meet the English Proficiency requirements, please see [Indicators of Required English Language Proficiency for Foreign Applicants](#).

In addition to meeting the academic requirements for admission, students planning to attend UNF on an international student visa (F-1) or an exchange student visa (J-1) must also satisfy immigration, health, and financial requirements as described in the [All Students](#) section of this catalog.

View the University's [official regulation](#).



Limited Access & Selective Admission Programs

[Apply Now](#)

A number of UNF academic programs are limited access or have selective admission requirements. Admission to these programs is selective or competitive. Applicants to these programs must meet or exceed the admissions requirements as established by the individual programs. The following programs are limited access or require selective admissions procedures. Contact the specific departments or school listed for additional information.

Limited Access Degree Programs

Brooks College of Health

- [Exercise Science](#)
Additional information is available from the Brooks College of Health.
- [Nursing](#)
Additional information is available from the School of Nursing, Brooks College of Health.

College of Arts & Sciences

- [Graphic Design and Digital Media \(BFA\)](#)
Additional information is available from the Department of Art & Design, College of Arts & Sciences.
- [Music](#)
Jazz Studies, Music Education, and Music Performance:
Additional information is available from the School of Music, College of Arts & Sciences.
- [Social Work](#)

Additional information is available from the Department of Sociology, Anthropology and Social Work, College of Arts & Sciences.

College of Education & Human Services

- **Education**
Additional information is available from the Office of Academic Advising, College of Education & Human Services.
- [American Sign Language \(ASL\)/English Interpreting](#)
Additional information is available from the Office of Academic Advising, College of Education & Human Services.

Selective Admissions Degree Programs

College of Arts & Sciences

- [Biology](#)
Additional information is available from the Department of Biology, College of Arts & Sciences.
- [Biomedical Sciences](#)
Additional information is available from the Department of Biology, College of Arts & Sciences.
- [Interdisciplinary Studies](#)
Additional information is available from the Office of Academic Advising, College of Arts & Sciences.

College of Computing, Engineering and Construction

- [Advanced Manufacturing](#)
Additional information is available from the School of Engineering.
- [Civil Engineering](#)
Additional information is available from the School of Engineering.
- [Electrical Engineering](#)
Additional information is available from the School of Engineering.
- [Mechanical Engineering](#)
Additional information is available from the School of Engineering.

Computing & Information Sciences

Additional information is available from the School of Computing.

- [Computer Science](#)

Additional information is available from the School of Computing.

- [Information Science](#)

Additional information is available from the School of Computing.

- [Information Systems](#)

Additional information is available from the School of Computing.

- [Information Technology](#)

Additional information is available from the School of Computing.



Non-Degree Seeking and Special Status Students

Apply Now

Individuals may seek admission to UNF as a non-degree-seeking or special status student by submitting an application for admission and a \$30 application fee to the Office of Admissions by the appropriate deadline for the desired semester. Please note the following information about non-degree-seeking and special status students:

- No more than 12 undergraduate semester hours earned as a non-degree / special student may be transferred to a UNF undergraduate degree program. The transfer of any course(s) to a degree program earned while in a non-degree-seeking / special status must be approved by the dean or designee of the college administering the program.
- First-time-in-college freshmen are prohibited from enrolling as non-degree-seeking / special students.
- Students enrolled in a non-degree / special student status will register for classes on a space-available basis.
- Non-degree-seeking / special student status is not eligible to receive Financial Aid.
- Non-degree-seeking / special students wishing to continue at UNF beyond one term must apply as a degree-seeking student. Successful completion of coursework in a non-degree or special student status does not guarantee admissions to the University.
- Certain courses may require permission from the instructor prior to registration.

View information on [transient enrollment](#).



Post-Baccalaureate Students

Apply Now

A post-baccalaureate student is someone who has earned a bachelor's degree at a regionally accredited institution of higher education and desires to complete additional college course work. UNF refers to post-baccalaureate students as those students not admitted to a graduate program. Specific information regarding graduate students and graduate programs may be found on [The Graduate School](#) website.

At minimum, students are required to submit the following application materials prior to the posted deadline for the term in which they would like to enroll. Additional documentation may be requested, and additional requirements may exist for students applying as a degree seeking student to a limited access/selective admissions program.

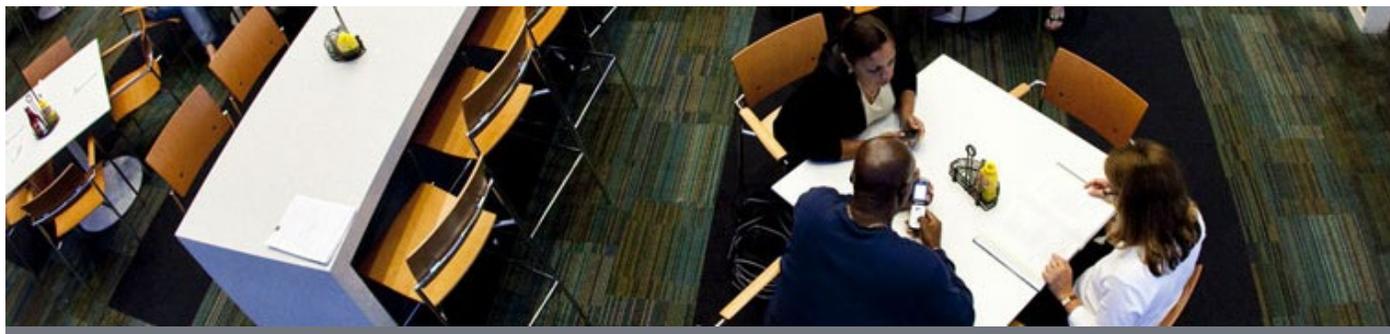
- Admission application (see details below for which application to submit)
- \$30 application fee
- Official transcripts from each post-secondary institution attended, including military and dual enrollment transcripts
- Official transcripts from any credit-earning mechanism (Credit-earning mechanisms include, but are not limited to, IB, AP, AICE, CLEP, or DANTES.)
- Meet a minimum cumulative college GPA of 2.0 ("C") or higher.

The University of North Florida will accept applications for students pursuing post-baccalaureate admissions. In this capacity, post-baccalaureate students generally enroll in one of the following categories.

1. Post-baccalaureate non-degree seeking: In this status, post-baccalaureate students may register for select undergraduate

level courses, but are not affiliated with a degree seeking program. These courses are generally intended for personal interest and not taken in the pursuit of formalized educational goals, or may serve as pre-requisites for consideration of admission to a graduate program. Students in this status are not eligible for financial aid.

2. Post-baccalaureate degree-seeking: In this status, post-baccalaureate students may register for courses leading to another bachelor's degree. Students in this status may apply for financial aid.
3. Post-baccalaureate certificate-only: In this status, post-baccalaureate students may register for classes leading to a specific certificate or other non-degree credential. Students in this status are not eligible for financial aid, except for those students pursuing their initial professional teacher certification in Florida.
4. Post-baccalaureate for graduate prerequisites: This status is reserved for students who have earned a baccalaureate degree and who wish to take graduate level coursework but who are not admitted into a degree seeking graduate program. Permission from the Graduate Program Director in the appropriate area is required. Students in this status are not eligible for financial aid. Generally speaking and at the discretion of the graduate program, a maximum of ten graduate semester credit hours earned in a post-baccalaureate status may transfer into a graduate degree program. Additional information is available from [The Graduate School](#).



Transfer Student Admission Requirements

[Apply Now](#)

Transferring as a Freshman or Sophomore (Lower-Level Transfer)

Lower-level students are defined as those with fewer than 60 [transferable](#) semester hours (90 transferable quarter hours) of college course work. Admission requirements will vary by credit hours earned, major, term, and space-availability. To be considered, applicants must meet or exceed the following criteria:

- Satisfy the same admission requirements as incoming freshman applicants including meeting the State University System sliding scale with high school GPA and SAT/ACT scores (see below exception)
- Display evidence of a competitive profile and demonstrated academic success in college-level course work.
- Meet or exceed a minimum cumulative college GPA of 2.0 ("C") or higher, including a "C" or higher average and "good standing" status (eligible to return) at the most recent college attended.

Applicants who apply with more than 30 transferable semester hours but less than 60 transferable semester hours, may be considered for admission without meeting the incoming freshman requirements.

Applicants must earn at least 30 transferable semester hours including a "C" or higher in both English Composition and College level mathematics or higher, and a minimum cumulative college GPA of 2.0 ("C") or higher, including a "C" or higher average and "good standing" status (eligible to return) at the most recent college attended.

Meeting the above-referenced state minimum GPA requirement

does not guarantee admission to the University. Applicants who exceed the minimum are most competitive for admission as a transfer student if space is available. In determining an applicant's admissibility, the University may consider personal qualities and talents in addition to academic accomplishments. The basis for this regulation can be found in the Florida Board of Governors [BOG 6.004 Transfer Students-Undergraduate](#), which governs decisions regarding admission of all undergraduate, degree seeking transfer students to UNF and the satisfaction of general education requirements.

Listed below are the minimum required materials for lower level transfer students to submit in order to be evaluated for a decision. Additional documentation may be requested, and additional requirements are needed for an International Student.

- Admission application
- \$30 application fee
- Official high school transcripts
- Official rSAT/SAT/ACT test scores
- Official transcripts from all post-secondary institutions attended, including dual enrollment credits from high school
- Official transcripts from any other [credit-earning mechanisms](#), including [Advanced Placement \(AP\)](#), [Advanced International Certificate of Education \(AICE\)](#), [College Level Exam Program \(CLEP\)](#), [Defense Activity for Non-Traditional Education \(DANTES\)](#), [International Baccalaureate \(IB\)](#), and any military SMART/AARTS/JST transcripts.

All transcripts and test scores must be official, arriving to the Office of Admissions directly from the awarding institution or in the original, sealed envelope. Unofficial documents and those received after the posted deadline will not be accepted.

An applicant with fewer than 12 transferable credit hours must apply as a freshman. See our [freshman admissions](#) page for application information.

Transferring as a Junior or Senior (Upper-Level Transfer)

Applicants who have completed an Associate in Arts (A.A.) degree at a Florida public post-secondary institution (university, community, state, or junior college); applicants who fall under the provisions of specific articulated programs; or applicants who have completed a minimum of 60 [transferable](#) semester hours (90 transferable quarter

hours) of college credit may be considered for admission as a junior or senior. Admission requirements will vary by major, term, and space-availability.

In order to be considered, applicants must meet or exceed a cumulative college GPA of 2.0 or higher, including a "C" or higher average and "good standing" status at the most recent college attended. Meeting the minimum GPA requirement does not guarantee admission to the University. Applicants who exceed the minimum are most competitive for admission as a transfer student if space is available. In determining an applicant's admissibility, the University may consider personal qualities and talents in addition to academic accomplishments.

Listed below are the minimum required materials for upper-level students to submit in order to be evaluated for a decision. Additional documentation may be requested, and additional requirements may exist for students applying to limited access/selective admissions programs or international students.

- Admission application
- \$30 application fee
- Official transcripts from all post-secondary institutions attended, including dual enrollment credits from high school
- Official transcripts from any other [credit-earning mechanisms](#), including [Advanced Placement \(AP\)](#), [Advanced International Certificate of Education \(AICE\)](#), [College Level Exam Program \(CLEP\)](#), [Defense Activity for Non-Traditional Education \(DANTES\)](#), [International Baccalaureate \(IB\)](#), and any military SMART/AARTS/JST transcripts.

All transcripts and test scores must be official, arriving to the Office of Admissions directly from the awarding institution or in the original, sealed envelope. Unofficial documents and those received after posted deadlines will not be accepted.

Applicants transferring directly after earning an A.A. degree from a Florida public institution and applicants transferring under the provisions of an existing articulation agreement will receive priority consideration for admission.

Applicants transferring to the University without earning an A.A. degree from a Florida public institution must display evidence of a competitive profile and demonstrated academic success in college-level coursework. In order to be considered, applicants must meet or

exceed a minimum cumulative college GPA of 2.0 (“C”) or higher, including a “C” or higher average and “good standing” status (eligible to return) at the most recent college attended.

Meeting the minimum GPA requirement does not guarantee admission to the University. Applicants who exceed the minimum are most competitive for admission as a transfer student if space is available. In determining an applicant’s admissibility, the University may consider personal qualities and talents in addition to academic accomplishments.

Additional restrictions apply for students applying to [Limited Access](#) and [Selective Admission](#) programs.

Transfer Student Resources

- [University's official regulation](#)
- [Transfer Student Bill of Rights](#)
- [Foreign Language Requirement](#)

Decision Notification Process

Once an application is complete with all required documents, UNF Admissions will review applications in 4-6 weeks. All applicants are notified by a USPS mailed official letter. The admission decision can also be found on the myWings account under the "My Application Status" tile. Periodically, e-mails are sent out to applicants about missing documents. It is the responsibility of the student to ensure that all official application documents are received.

Appeals Process

An applicant who is denied admission to UNF for academic reasons only has a right to [appeal that decision](#). If they choose to appeal, the applicant must submit a letter of appeal and supporting documentation, detailing the reason the application should be reviewed. Supporting documentation that substantiates the appeal may be sent to the address below:

Admissions Office at the University of North Florida
c/o The Director of Transfer Student Services
1 UNF Drive
Jacksonville, FL 32224

Examples of support documentation include:

- Updated post-secondary transcripts showing improved academic performance
- Documentation to support situations that are out of the student's control, if applicable.

View the University's [current official policy](#).



Graduate Students

Apply Now

We are here to help you achieve your goals and ambitions by providing you opportunities to pursue cutting-edge scholarly research, gain superior professional skills and experience, and improve your standing in the career path of your choice.

The Graduate School offers over 44 graduate degrees and certificates with a wide range of concentrations in arts and sciences, business, computing and engineering, education, and health. Discover the graduate program that is right for you.

Find more information by visiting www.unf.edu/graduateschool or contact our office directly at graduateschool@unf.edu.

Admissions Procedures

Apply Now

John Kantner, Dean, The Graduate School

Megan Kuehner, Director, The Graduate School

Getting Admitted into UNF

The Application Procedure We strongly encourage you to contact the graduate program director of the degree program in which you are interested.

1. All graduate applicants must complete and submit an online application at the [Graduate School](#).
2. Complete the online application and the non-refundable application fee of \$30 by the deadline posted for the semester you would like to begin your graduate studies.
3. Arrange to have an official transcript sent to the Graduate School from every college or university you have attended, including community colleges and professional schools. Transcripts must be less than one year old from the date of printing. When requesting college transcripts, please verify with your institution(s) whether or not they are able to submit electronic transcripts in the proper EDI format. Institutions that are currently not EDI capable must submit transcripts in official, paper copy format. Transcripts should be sent to the following address:

The Graduate School
University of North Florida
1 UNF Drive
Jacksonville, FL 32224

4. In accordance with the requirements of the specific graduate program to which you are applying, take the Graduate Record Exam (GRE), the Graduate Management Admissions Test (GMAT), or the Millers Analogy Test (MAT) and arrange to have your official score report sent to the Graduate School at UNF. Please visit www.ets.org for more information regarding the GRE. Students may visit www.mba.com for additional

information regarding the GMAT. UNF's institutional code is 5490 for the GRE and MAT. UNF's institutional code is CF3QB-51 for the GMAT.

5. Upload all supporting documents to the Graduate School. Supporting documents include recommendation letters, personal statements, resumes, writing samples, English proficiency tests, etc.
6. Students at Florida public universities are required to provide proof of immunization against rubeola (measles) and rubella (German measles) prior to the initial registration. This policy applies to students who attend classes taught at the main campus. Questions concerning this policy should be directed to the Student Health Services Office in the Student Life Center, Building 39A/Room 2100, (904) 620-2175.
7. The University reserves the right to review the case of any student who has been implicated in a criminal offense prior to admission to determine eligibility for admission and participation in extracurricular activities. At the time of application, students must disclose the final disposition of any past or pending judicial proceedings and submit any pertinent documentation.

Once the Graduate School has received your transcripts and test scores, your application will be referred to the graduate director of the program to which you are applying. The department will then review your application, make an admission decision, and notify our office. The Graduate School will send official admissions decisions via e-mail. Applicants can also view these communications by logging into myWings and clicking the View Communications link in the Application Status tile.

8. The University of North Florida subscribes to affirmative action and equal opportunity, and does not discriminate in its programs or activities on the basis of race, color, sexual orientation, gender identity/expression, national origin, sex, disability, veteran status, age, marital status, religion, genetic information, or any other basis; and seeks to foster diversity and inclusion for the dignity and well-being of those comprising

the UNF community.

Standard Admission Requirements

Apply Now

There are two sets of requirements: University admission requirements and the specific requirements of each UNF graduate program.

University Admission Requirements

1. A baccalaureate degree from a regionally accredited U.S. college or university or its equivalent from a foreign institution with a grade point average of 3.0 (B) or higher in all work attempted as an upper-division student, typically the last 60 credit hours OR an earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

UNF Program Specific Admission Requirements

Students may also be required to meet specific or more stringent requirements of the program to which they are seeking admission. Such requirements may include, but are not limited to:

- Standardized test scores
- Supplemental documents (i.e. letters of recommendation, resume, personal statement)
- Licensing

Please visit the the Graduate School website for a list of [offered programs](#) and their specific requirements. Students should be aware that admission into any graduate program is granted on a competitive basis. Students meeting minimum requirements may be denied admission based on such factors as program capacity or academic discretion. Likewise, students may be considered for admission as an exception if stated admissions criteria are not met.

Decision Notification

Admission decision letters are provided to all applicants who have submitted a completed application with all required additional material regardless of the nature of the admission decision. Admission decision letters are sent via e-mail 24 hours after the decision is posted. Please note that the time frame in which a

decision is made is dependent on the reviewing process of the program director or the departmental committee (if applicable).

You can view your decision e-mail by logging into myWings and clicking the View Communications link in your Application Status tile.

Please note that admission decisions cannot be appealed.

International Graduate Student Admission

Apply Now

The University of North Florida, the Graduate School, and the International Center are pleased to welcome you. We recognize that you and your fellow international students, representing over 100 different countries, bring with you perspectives that enrich our campus. We are committed to offering you educational programs and experiences that will enhance your professional development.

We are very aware of the challenges before you and hope to be able to provide you the best possible support as you pursue your graduate studies at UNF. This support includes our Student Orientation, which is offered online and will remain available to you as a resource. This program reviews your rights and responsibilities and also provides you with information about university resources.

The Graduate School and the International Center will be happy to help you with the admissions process.

Admission Requirements

- **Application Forms:** International students must complete an online application. Further information is available at www.unf.edu/graduateschool.
- **Application Deadlines:** Applicants should submit their completed application forms and all other required material well in advance of the date they wish to begin at UNF. Some programs have alternative deadlines for the submission of the application materials by international students, and these [deadlines may be found online](#).

The general deadline for international students are as follows:

- Fall - May 1
- Spring - October 1
- Summer - February 1

Applicants should understand that getting credentials and transcripts evaluated can take a considerable amount of time. In addition, sending or receiving official application material can often take a very long time. Therefore, applicants should complete their applications as far ahead of the deadline as

possible.

- Application Fee: The application fee is \$30.00. The application fee must be in U.S. currency only (check or money order) drawn from a U.S. bank.
- Academic Records and Credentials Evaluation: Original transcripts from all institutions must be submitted from the foreign institutions directly to the Graduate School at UNF. To determine academic eligibility for admissions, academic credentials must be (a) translated into English and (b) evaluated course-by-course by an approved, accredited third-party evaluation service. Applicants must have the evaluation agency provide UNF with an original evaluation of all academic credentials. A list of acceptable Evaluators can be found at the [Florida Department of Education](#) website.
- GRE and GMAT Test Scores: Students must provide official scores from the appropriate aptitude test. Please refer to your intended program website to determine which aptitude test to take.
Please note: It takes 3-4 weeks for official test scores to arrive at the Graduate School. These scores must be received before the posted deadline of the program to which you are applying.

GRE Institution Code: 5490

GMAT Institution Code: CF3QB51

There are no departmental codes

- English Proficiency: Applicants from countries where the official language is other than English must demonstrate proficiency in English. One such method is to take the Test of English as a Foreign Language (TOEFL), receive a score of 500 paper-based (61 internet-based) for all applicants except for a score of 550 paper-based (79-80 internet-based) for applicants applying to programs in the Coggin College of Business, our graduate engineering programs, and our Master of Arts in General Psychology program and submit their score with their application. The TOEFL is offered by the Educational Testing Service, Princeton, N.J. 08541, U.S.A. UNF's institutional code is 5490. Alternative methods of proving English proficiency may be found at www.unf.edu/graduateschool.

Immigration Requirements

- **Certification of Finances:** The U.S. Department of Homeland Security requires UNF to insure that international students have sufficient financial resources before issuing a Certificate of Eligibility (Form I-20). All applicants must complete and submit an Affidavit of Financial Support and Bank Certification. The Affidavit is a document signed by the applicant's sponsor (the person who will be providing the funds) stating the amount of funds that she/he will provide for the educational expenses of the student applicant. A bank official then certifies that the sponsor does have that amount of funds in his/her account. This form represents an obligation on the part of the sponsor to provide the required amount of funds as indicated on the form. Please see Estimated Costs of Attendance for International Students on the UNF website to determine the amount of funds needed to be written on the Affidavit.
- **Transfer Students:** All applicants intending to transfer from another U.S. university must notify their current school so that the U.S. Department of Homeland Security transfer requirements can be initiated. A new form I-20 from UNF cannot be issued until the current school "transfers out" the applicant to UNF in the SEVIS program.

Health Requirements

Before you can enroll in classes at UNF, you must supply the following health certifications. These certifications are not necessary for you to apply for admission to UNF. However, once you have been admitted, they are necessary for you to be able to register for classes.

- **Statement of Good Health:** This form can be found on the Immunization Form (Student Health Services). See Certification of Immunization listed below.
- **Certification of Health Insurance:** If you have an immigration status of F1 or J1, before you may register for classes you must show proof that you have health insurance. If you currently have insurance coverage, please have your insurance company fill out the "International Student Health Insurance Evaluation" form available from the UNF Office of Student Health Services at (904) 620-2175 or from their web page. If you do not have such insurance, you can purchase

insurance through the UNF Office of Student Health Services. Beginning with the fall term of 2008: Insurance coverage must include the full year, including annual breaks, regardless of the student's terms of enrollment. The policy must provide continuous coverage for the entire period the insured is enrolled as an eligible student. Payment of benefits must be renewable.

- **Certification of Immunization:** All students born after 1956 must meet immunization requirements of two doses of Measles and one dose of Rubella. Please refer to the "Immunization Documentation" form. This form is available from the UNF Office of Student Health Services Web page.

Effective July 1, 2008, all new matriculating students must provide documentation of vaccinations against meningococcal meningitis and hepatitis B or provide a signed waiver for each declined vaccination. All new matriculating students 18 or older who choose not to be vaccinated against either meningococcal meningitis or hepatitis B must sign a statement that they have been made aware of the potential fatal nature of the diseases and chose not to be vaccinated. All new matriculating minor-age students must provide signed parental consent to opt out of vaccination from either of these diseases. See Student Health Services section of this catalog for more information about these diseases. If you have questions, contact Student Health Services at (904) 620-2900, fax (904) 620-2901 or visit the [Student Health Services website](#).



Graduate Student Admission Status Types

[Apply Now](#)

Full-Time and Part-Time

In most, but not all programs, a student may attend either full-time (nine or more hours per term) or part-time (less than nine hours per term).

Full Admission

Applicants who meet both the graduate admission requirements and those specific to the individual UNF graduate program are eligible to be fully accepted into the program.

Provisional Admission

Some programs have an exceptions policy and will provisionally accept applicants who do not meet the graduate admissions requirements. These applicants must meet the conditions stipulated by the program administrator of the graduate program in question by the end of the initial enrollment term. Such conditions might include, but are not limited to, successfully completing certain graduate courses. Applicants are encouraged to speak to the Program Director of their intended program for specific information.

Post-Baccalaureate Admission

A person who does not wish to seek a degree, or who needs to complete undergraduate prerequisite coursework before being eligible to apply to the graduate program of their choice, may apply for post-baccalaureate admission. Post-baccalaureate status does not automatically confer the right to take graduate courses. The person must receive prior approval and electronic permission from

the program director of the graduate program in which he or she wishes to take courses.

Up to 12 hours of graduate course work taken as a post-baccalaureate student may apply toward the master's degree once the person has been fully admitted to a graduate program.

Certificate Program Admission

Credit bearing, graduate certificate programs are comprised of related courses that constitute a coherent body of study within a discipline. These programs result in the student receiving a non-degree certificate awarded by UNF along with acknowledgement on a transcript. See [program areas](#) listed in this catalog for details.

Special Admission for Transient Students

Under certain circumstances students currently enrolled at other universities may enroll at UNF as transient students on a space-available basis.

A student in good standing at an approved institution may apply to UNF for one term to complete work, the credit for which will be transferred back to the student's home institution. Applicants must submit either an official transcript or a letter from their college or university's Registrar verifying their good standing. A transient enrollment form or other documentation may be required by the program in which the student seeks to take coursework.

Special Admission for Inter-Institutional Transient Students

A student in good standing at a school participating with UNF in various exchange programs or exchange agreements may apply to UNF for one term, or for the duration of a special program, to complete work the credit for which will be transferred back to the home institution. The student must be sponsored by his or her academic dean, who is responsible for arranging with the UNF Registrar's Office and the appropriate college dean for the student's visit. The student will register at UNF and pay UNF tuition and registration fees.

The process is the same for UNF students seeking to attend other institutions for a single term or for the duration of a special program.

UNF students must have the support of their academic dean, who is responsible for arranging their visits. UNF students will register at and pay the tuition and fees of the institution they are visiting.

Readmission of Inactive Students

Students who have been accepted previously but who never enrolled or who have not taken courses for one year (three consecutive terms, including summers) must apply for readmission to the Graduate School. They will be required to pay a new application fee and may be responsible for meeting any new general admissions requirements or program specific requirements.

Non-Discrimination

The University of North Florida encourages application from qualified persons and does not discriminate on the basis of race, color, religion, national origin, sexual orientation, veteran's status, disability, age, marital status, or gender. The president has delegated responsibility for the implementation of the University's equal opportunity and non-discrimination policies and affirmative action program to the director, Office of Equal Opportunity and Inclusion (EOI). Inquiries about policies and practices may be directed to the EOI Office at (904) 620-2507.



Articulation Agreements and Institutional Agreements

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To support the transfer of students from partnership institutions into four-year programs, the University of North Florida adheres to formalized articulation agreements. This section outlines the types of articulation agreements that are accepted at UNF. For more information about articulated programs, please contact the Office of Records and Registration.

Statewide 2+2 Articulation Agreement

Established in 1971, Florida's Statewide Articulation Agreement (codified in [Section 1007.23, Florida Statutes](#) and [Chapter 6A-10.024, Florida Administrative Code](#)) provides the foundation for the Associate of Arts Degree as the most direct means of transferring from a Florida public college to one of the 12 state universities. Under this agreement, students who graduate from one of the state colleges with an Associate of Arts degree are guaranteed the following:

- admission to one of the 12 state universities (not including limited access programs) **admission to the student's preferred public postsecondary institution or program is not guaranteed,*
- acceptance of at least 60 semester hours by the state university
- adherence to the university requirements and policies, based on the catalog in effect at the time the student first entered the state college (provided the student maintains continuous enrollment),
- transfer of equivalent courses under the Statewide Course Numbering System.

UNF adheres to the policies laid out under the Statewide Articulation

Agreement. Students wishing to apply to UNF under thare subject to all admissions policies and procedures. Applicants must meet admission requirements and all posted deadlines to be eligible for consideration.

Career Ladder Degree Articulation Agreement

The Career Ladder agreement integrates specific associate in science degree programs with identified baccalaureate degree programs statewide. Each associate in science degree program must meet specific requirements as prescribed in the agreement and public postsecondary institutions are required to honor the transfer of credit toward the specified baccalaureate degree. Graduates of a Florida community college associate in science degree program that contains a documented agreement maintained by the Articulation Coordinating Committee shall be granted admission to a public postsecondary institution in the designated program articulate with their degree, except for limited access program and those requiring specific grades on particular courses for admission. Admission to the student's preferred public postsecondary institution is not guaranteed.

UNF accepts the following Career Ladder programs:

- AS in Nursing to BSN in Nursing
- AS in Business Administration to BBA in Business Management
- AS in Criminal Justice Technology to BA in Criminal Justice

For additional state requirements and specifics regarding transferability of credits, read [this FLDOE document](#).

Students wishing to apply to UNF under this agreement are subject to all admissions policies and procedures. Applicants must meet admission requirements and all posted deadlines to be eligible for consideration. Students contact UNF before applying through this agreement.

Interinstitutional Articulation Agreements

Partnership Agreements

- Florida State College at Jacksonville

St Johns River State College

- Florida Gateway College
- Santa Fe State College

UNF has entered into [collaborative blanket academic agreements](#) with the aforementioned state colleges in the Northeast Florida catchment basin to broaden and detail AA degree partnerships under the jurisdiction of the Statewide 2+2 Agreement. UNF encourages and welcomes such agreements with all interested state colleges as an ongoing commitment to facilitating proactive and positive persistence for our shared students.

Program Specific Agreements

When there is interest from both parties, UNF welcomes and encourages program-specific AS and Limited Access AA academic agreements with other institutions.

Dual Enrollment Agreements

UNF encourages and welcomes academic cooperation with school districts, private high schools, and home educated students in the North Florida catchment basin. These partnerships allow high school students the opportunity to take credit-bearing college level coursework prior to high school graduation as codified in [Section 1007.271, Florida Statutes](#) and [Chapter 6A-14.064, Florida Administrative Code](#).

Before a public or private high school student can apply to take Dual Enrollment coursework, a district-level or private school-level a blanket articulation agreement must be in place. Students wishing to apply must work with their school counselor for advisement and approval. Home school students are eligible to approach UNF directly in order to apply for dual enrollment.

Academic agreements are kept on file in the Office of Records and Registration.



Brooks College of Health Overview

- [Dean's Message](#)
- [Vision, Mission and Values of the College](#)

Dean's Message

Thank you for your interest in the Brooks College of Health (BCH)! You will find graduates of our college throughout the greater Jacksonville area and beyond. Employers in this region continue to seek out BCH students due to our reputation as a premiere educator of healthcare professionals dedicated to serving the community. The mission of our college is to provide specialized programming in a wide range of health care fields including Nursing, Public Health, Mental Health Counseling, Health Administration, Exercise Science, Athletic Training, Physical Therapy and Nutrition. Our reputation is further enhanced via our institute and centers, as well as by our recent awards and national rankings.

The cornerstones of a BCH education at the University of North Florida are the hands-on experiences in which our students are engaged. These transformational learning opportunities include research, laboratories, travel abroad, academic clubs, and internships and clinical experiences. Our partnerships in the community are extensive and serve to enhance the education of our students in a variety of ways. For instance, the generosity of our partners funds scholarships and professorships that support our students and faculty members. Additionally, our community colleagues provide exceptional training environments for our students.

We encourage you to visit our beautiful campus so that we may introduce you to our outstanding faculty, staff and students, and give

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you a tour of our state-of-the-art facilities. I know you will quickly see for yourself why students with dreams of working in the healthcare field choose the Brooks College of Health and the University of North Florida as their educational home. I look forward to welcoming you!

A handwritten signature in black ink that reads "Curt Lox". The signature is fluid and cursive, with the first letters of "Curt" and "Lox" being significantly larger and more stylized than the rest of the letters.

Curt Lox, PhD
Dean, Brooks College of Health
University of North Florida
c.lox@unf.edu

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Vision, Mission and Values of the College

Vision

Global leader in the generation of health knowledge, the provision of health care, and the preparation of health experts.

Mission

To forge professionals dedicated to enhancing the health and well-being of our local, national, and global communities.

Values

In the fulfillment of our mission, the Brooks College of Health upholds the following UNF values:

Integrity – We do the right thing, for the right reason, at the right time.

Respect – We treat everyone with kindness, we are informed by the perspectives of others, and we draw strength from our differences.

Accountability – We are responsible for how the outcomes of our actions affect others and our environment.

Innovation – We harness creativity and talent to turn challenges into opportunities and problems into solutions in a uniquely UNF way.

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Department of Clinical & Applied Movement Sciences

The Department of Clinical & Applied Movement Sciences offers the following degrees; [Bachelor of Science in Health, Exercise Science Concentration](#); [Master of Science in Athletic Training](#); and the [Master of Science in Health, Kinesiology and Lifestyle Medicine Concentration](#).

The [Exercise Science Concentration](#) culminates in a Bachelor of Science in Health (BSH) degree. Of major concern to society is the health and well-being of its citizens. Exercise Physiologists are health care professionals that utilize knowledge of the human body's adaptive responses to exercise to address an individual's health, fitness, or performance goals. The Exercise Science Concentration is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and the Committee on Accreditation for the Exercise Sciences (CoAES). View [admission and degree requirements](#).

The [Masters of Science in Health \(MSH\) in Kinesiology and Lifestyle Medicine \(KALM\)](#) is a life sciences degree that integrates an evidenced-based curriculum in an applied research environment. The field of Physical Activity Epidemiology examines the relationship(s) between physical activity, sedentary behavior and fitness level with chronic diseases ubiquitous in today's society. The MSH in KALM curriculum will provide students with the knowledge and skills necessary to work and provide leadership in the areas of health and fitness, preventive medicine, cardiopulmonary rehabilitation, diabetes education, strength and conditioning, lifestyle coaching, and clinical research. Thesis option students will begin preparation towards becoming independent investigators by developing the skills necessary to conduct original research. View

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admission and degree requirements

Athletic trainers are highly qualified, multi-skilled health care professionals who collaborate with physicians to provide preventative services, emergency care, clinical diagnosis, therapeutic intervention and rehabilitation of injuries and medical conditions. The [Master of Science in Athletic Training \(MSAT\)](#) degree program offers a challenging pathway for post-baccalaureate students to pursue a career in Athletic Training. The MSAT program will prepare students for the Board of Certification Examination to become a Certified Athletic Trainer. The UNF MSAT program provides students the opportunity to gain valuable clinical experience in a variety of settings, including secondary school, college/university, professional, clinic, and industrial. [View the admission and degree requirements.](#)

Department of Clinical & Applied Movement Sciences Faculty

Joel W Beam, EdD, LAT, ATC, Professor, Chair

Program Directors

Michelle Boling, PhD, LAT, ATC, Associate Professor, Athletic Training

James R. Churilla, PhD, MPH, MS, RCEP, FACSM, Professor, Graduate Kinesiology and Lifestyle Medicine

Michael Richardson, PhD, MSH, ACSM-EP, EIM2, Instructor, Undergraduate Exercise Science

Undergraduate Faculty

Ralph Consentino, MSH, CSCS, Adjunct Instructor

Peter Magyari, PhD, FACSM, ACSM-EP, NSCA-CSCS, Associate Professor

Nicole Nelson, MSH, LMT, ACSM C-EP, Adjunct Instructor

Amber Ponzio, MSH, ACSM EP-C, Adjunct Instructor

Michael Richardson, PhD, MSH, ACSM-EP, EIM2, Instructor

Jessica Stapleton, PhD, Assistant Professor

Lindsay Toth, PhD, ACSM-EP, Assistant Professor

Caleb Williams, PhD, CSCS, Instructor

Graduate Faculty

Fred Baldwin, PT, DPT, SCS, ATC, PES, Adjunct Instructor

Joel W. Beam, EdD, LAT, ATC, Professor

Michelle Boling, PhD, LAT, ATC, Associate Professor

Bernadette Buckley, PhD, LAT, ATC, Associate Professor

James R. Churilla, PhD, MPH, MS, RCEP, FACSM, Professor

Neil Covas, PT, DPT, NCS, Adjunct Instructor

Christopher Joyce, PhD, LAT, ATC, CCRA, CSCS, Associate
Professor

Peter Magyari, PhD, FACSM, ACSM-EP, NSCA-CSCS, Associate
Professor

Kim Richardson, PharmD, Adjunct Instructor

Jessica Stapleton, PhD, Assistant Professor

Lindsay Toth, PhD, ACSM-EP, Assistant Professor

Caleb Williams, PhD, CSCS, Instructor

Department of Health Administration

Undergraduate Program

The Department of Health Administration offers undergraduate programs culminating in a [Bachelor of Health Administration \(B.H.A.\)](#) degree.

The B.H.A. degree is designed to prepare graduates for entry-level administrative positions in hospitals, clinics, nursing homes, mental health organizations, insurance companies, medical group practices public agencies, and many other types of health care organizations. It also serves to help enhance careers of students already working in the health services industry. To view degree requirements, select the [BHA program link](#).

Graduate Program

The Department of Health Administration offers a graduate program in Health Administration leading to a [Master in Health Administration \(M.H.A.\)](#) and an [Executive Masters in Health Administration \(EMHA\)](#). Students applying to the master's program must have a earned baccalaureate degree from an accredited college or university recognized by the University of North Florida. To view admission and degree requirements, select either the [MHA program link](#) or the [EMHA program link](#).

Department of Health Administration Faculty

Mei Zhao, Ph.D., Professor & Chair

Undergraduate Program Director

LaRee Moody, D.H.A., R.N., Associate Instructor & Director, Health Administration Undergraduate Program

Undergraduate Faculty

D. Robert Haley, Ph.D., Professor

Hana Hamadi, Ph.D., Associate Professor

Jeffrey Harrison, Ph.D., Professor

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Donald Hutton, M.B.A., FACHE, Executive-in-Residence Graduate Program

Brent Johnson, J.D., M.H.A, Instructor

LaRee Moody, D.H.A, R.N., Associate Instructor & Program Director, Bachelor of Health Administration

Sinyoung Park, Ph.D., Assistant Professor

Shyam B. Paryani, MD, MS, MHA, FACRO, FACHE, Instructor

Cynthia Williams, Ph.D., Associate Professor

Jing Jasper Xu, Ph.D., Assistant Professor

Mei Zhao, Ph.D., Professor & Chair

Graduate Program Director

D. Rob Haley, Ph.D., Professor & Director, Master of Health Administration (MHA)

Shyam B. Paryani, MD, MS, MHA, FACRO, FACHE, Instructor & Director, Executive Master of Health Administration (EMHA)

Graduate Faculty

D. Robert Haley, Ph.D., Professor & Director, MHA

Hana Hamadi, Ph.D., Associate Professor

Jeffrey Harrison, Ph.D., Professor

Donald Hutton, M.B.A., FACHE, Executive-in-Residence Graduate Program

Brent Johnson, J.D., M.H.A., Instructor

Sinyoung Park, Ph.D., Assistant Professor

Shyam B. Paryani, MD, MS, MHA, FACRO, FACHE, Instructor & Program Director, EMHA

Cynthia Williams, Ph.D., MHA, PT, Associate Professor

Jing Jasper Xu, Ph.D., Assistant Professor

Mei Zhao, Ph.D., Professor & Chair

Interdisciplinary Health Studies

The Brooks College of Health offers an undergraduate program culminating in a [Bachelor of Science in Health \(B.S.H.\)](#) in Interdisciplinary Health Studies degree. Healthcare is a growing field and employers are increasingly seeking graduates with an interdisciplinary skill set to function in a variety of roles. This program introduces students to health behavior and management, legal and ethical issues, and environmental influences on health while offering the flexibility to design an individual program based on a student's unique career goals and interests. Additionally, students have the opportunity to complete prerequisites for graduate studies and complete a minor in a program of their choice. For more information on the program please visit the [Brooks College of Health Interdisciplinary Health Studies website](#).

Undergraduate Program Director

Julie Merten, Ph.D., Associate Professor

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School of Nursing

The School of Nursing offers a wide variety of programs at the undergraduate and graduate levels. The program has a community-based, population-focused curriculum corresponding to changes in healthcare delivery trends. The curriculum helps students understand community environments as well as nurturing and building relationships with community agencies. In 2005, the School of Nursing was selected as the first flagship program at UNF.

Our nursing programs are accredited by the Commission on Collegiate Nursing Education (CCNE), the Florida Board of Nursing, and the American Association of Nurse Anesthetists, Council on Accreditation of Nurse Anesthesia Educational Programs (CoA-NA.) The School of Nursing is committed to providing opportunities for students to pursue their professional degrees in nursing. The program is designed to encompass both liberal arts and professional studies.

The primary goal of the programs is to prepare nurses to practice effectively in a variety of settings and administer nursing care, which promotes, maintains, and restores health to individuals, families and communities. Leadership and a commitment to the profession through research are included in the competencies of the programs. Graduates are prepared to function not only as professional practitioners, but also as educated citizens capable of effecting and dealing with change in society.

Interested candidates should review the [essential functions](#) that are necessary of all enrolled nursing students.

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The School of Nursing at the Brooks College of Health offers four (4) tracks for the Bachelor of Science in Nursing (BSN). The curriculum is community-based in that it supports engagement with the community throughout the nursing major, nurturing and building relationships with community agencies throughout their time in the nursing program. The program also provides a strong basis for continuing education and graduate study in nursing. View information on [undergraduate admission and degree requirements](#).

Graduate Nursing Programs

School of Nursing at the Brooks College of Health offers four (4) tracks Doctor of Nursing Practice (DNP). These tracks include the post-MSN DNP for those holding active certification in a designated specialty who wish to complete the clinical doctorate as well as the post-MSN DNP for those wishing to complete a DNP and obtain certification as a Psych-Mental Health Nurse Practitioner (PMHNP). Additionally, the School of Nursing offers BSN-DNP tracks for those who wish to become Family Nurse Practitioners or Certified Registered Nurses Anesthetists. The School of Nursing will begin offering a post-MSN certificate track in 2021 for those who do not desire a DNP, but wish to obtain certification as a PMHNP. Details regarding each of our graduate nursing tracks are available through the below links.

Admission requirements for our graduate programs are posted through the "Admissions" link on the left-side menu on the graduate nursing programs website through the link below.. Please note that they vary by track as do application deadlines and start terms. Questions regarding admission to the Nurse Anesthetist track should be directed to napadmissions@unf.edu. Questions regarding admission to all other tracks should be directed to nursingadmissions@unf.edu.

View Information on [graduate admission and degree requirements](#).

School of Nursing Faculty

Cynthia L Cummings EdD, RN, CHSE, CNE Professor & Interim Director, School of Nursing

Undergraduate Program Coordinators

Judy M. Comeaux, D.N.P., A.P.R.N.,P.N.P, Director, FAN & Regular Prelicensure B.S.N.

Deirdre Shoemake, D.N.P., C.N.S Director, Accelerated Prelicensure
B.S.N.

Linda K. Connelly, Ph.D., A.P.R.N., Director, R.N.-B.S.N. Bridge

Faculty

Mary Grace Amendola, Ph.D., R.N. Assistant Professor

Elizabeth Aull, M.S.N., RNC-MNN, IBCLC, Instructor

Joy Bailey, Ph.D., R.N., Assistant Professor

Julie Baker-Townsend, D.N.P., A.P.R.N., Assistant Professor

Kathaleen Bloom, Ph.D., C.N.M. Professor

Chaka Brittain, D.N.P., R.N., C.N.E

Pamela S. Chally, Ph.D., R.N., Professor

Cora Evensen, M.S.N., R.N., Instructor

Katherine Fowler, D.N.P., C.R.N.A., Assistant Professor

Cathy Godoy, D.N.P., A.P.R.N., P.M.H.N.P.-B.C

Miriam Griffin, Ph.D., R.N., Instructor

Lillia M. Loriz, Ph.D., G.N.P., B.C., Professor

Jan Meires, Ed.D., A.P.R.N., F.N.P.-B.C., Professor

Lauren McAlister, D.N.P., A.P.R.N., F.N.P.-B.C, Instructor

Bridget McQuaig, D.N.P., A.P.R.N., F.N.P.-B.C.

Brittany Nettles, D.N.P., A.P.R.N., F.N.P.-B.C., Assistant Professor

Patricia Richards, D.N.P., A.P.R.N., F.N.P.-B.C., Assistant Professor

Connie Roush, Ph.D., R.N., Associate Professor

Jane Sander, D.N.P., A.P.R.N., P.M.H.N.P.-B.C, F.N.P.-B.C

Assistant Professor

Christina Wright, D.N.P. A.P.R.N., C.N.C-B.C.

Graduate School of Nursing

Cynthia L Cummings EdD, RN, CHSE, CNE Professor & Interim
Director, School of Nursing

Graduate Program Directors

John P. McDonough, Ed.D., A.P.R.N. C.R.N.A., Professor &
Director, Nurse Anesthesia Program & Graduate Nursing

Michele Bednarzyk, D.N.P, A.P.R.N., F.N.P.- B.C., Associate
Clinical Professor Professor & Program Director, Family Nurse
Practitioner Program

Jennifer Serotta, D.N.P., A.P.R.N. F.N.P.-B.C, Post-MSN Doctor of
Nursing Practice Program (Accelerated term format)

Helene Vossos, D.N.P. A.P.R.N. P.M.H.N.P.-B.C., Director, PMHNP
DNP/Certificate

Faculty

Kathaleen C. Bloom, Ph.D., A.P.R.N., C.N.M., Professor

Pamela S. Chally, Ph.D., R.N., Professor

Judy Comeaux, D.N.P., A.P.R.N., P.N.P., Associate Professor

Linda Connelly, Ph.D., A.P.R.N., F.N.P., Assistant Professor

Cynthia Cummings, Ed.D., R.N., Associate Professor

Katherine Fowler, D.N.P., A.P.R.N., C.R.N.A.- Assistant Professor
and Clinical Coordinator

Debran Harmon, D.N.P., A.P.R.N.,C.R.N.A., Assistant Professor

Lillia Loriz, Ph.D., A.P.R.N. G.N.P.-B.C., Professor

Jan Meires, Ed.D., A.P.R.N., F.N.P.-B. C., Professor

Jane McCarthy, Ph.D., A.P.R.N, C.R.N.A, F.A.A.N, Professor

Bridgette McQuaig, D.N.P., A.P.R.N., F.N.P.-B.C., Assistant
Professor

Daniel Miller, M.S.N., A.P.R.N., C.R.N.A. Simulation Coordinator

Jurgen Osterbrink, Ph.D., R.N.A., Clinical Professor

Jonathon Pabalate, D.N.P., A.P.R.N., C.R.N.A., Instructor

Patricia Richards, D.N.P., A.P.R.N., F.N.P- B.C., Instructor

Connie Roush, Ph.D., R.N., Associate Professor

William Self, D.N.P., A.P.R.N., C.R.N.A., Assistant Professor

Ryan Shores, D.N.P., A.P.R.N., C.R.N.A, Assistant Professor and
Assistant Program Director, Nurse Anesthesia Program

Nina Smith, M.S.N., A.P.R.N., F.N.P.-B.C., Instructor



Department of Nutrition & Dietetics

Undergraduate Program

The Department of Nutrition and Dietetics offers two (2) Bachelor of Science in Nutrition and Dietetics concentrations, one a Didactic Program in Dietetics and one in Community Nutrition and Food.

The Didactic Program in Dietetics (DPD) is a rigorous undergraduate program culminating in a Bachelor of Science in Nutrition and Dietetics degree. The UNF Didactic Program in Dietetics (DPD) is accredited by the [Accreditation Council for Education in Nutrition and Dietetics \(ACEND\)](#) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995.

Program graduates are encouraged to pursue the registered dietitian (RD) credential (also called registered dietitian nutritionist, or RDN) which requires the completion of a competitive post-baccalaureate ACEND accredited dietetic internship and passage of the national RD examination. This credential is needed to fully practice nutrition and dietetics in Florida and in most other states. RD's work with diverse populations in a variety of settings including hospitals, out-patient and wellness centers, clinics, food and supplement companies, health agencies, nursing homes, supermarkets, school districts, universities, and mental health centers. Many RD's are business owners as well.

After earning the B.S. in Nutrition and Dietetics degree graduates can sit for the Dietetic Technician, Registered (DTR) examination and the Certified Dietary Manager (CDM) examination and seek employment in a clinical, food service, or community setting. Other options are to seek advanced education or employment in nutrition education, food service, program management, sales, or health and

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fitness.

To learn more about the nutrition profession and dietetic internships, visit the website of the [Academy of Nutrition and Dietetics](#). View the program [requirements](#).

The Department of Nutrition and Dietetics is now offering an academic concentration in Community Nutrition and Food (CNF) within the Nutrition and Dietetics major. Students in the CNF concentration have opportunities to participate in a very active food recovery program, strengthen leadership skills, participate in research projects with faculty, attend professional nutrition and food conferences, join student clubs, write articles for a student-led monthly publication, and more. Students in this concentration can earn a Minor in Food Systems and Sustainability with just two additional classes. The CNF concentration prepares students to take the Certified Dietary Manager, Certified Food Protection Professional Examination. Program graduates can seek jobs as Nutrition and Food Educators, Food Service Managers, Food and Nutrition Writers and Bloggers, Recipe Developers, and Program Directors. Graduates may pursue advanced academic degrees as well. View the program [requirements](#).

Graduate Program

The [Department of Nutrition and Dietetics](#) offers a Master of Science in Nutrition and Dietetics with three specialization options and an online Doctorate in Clinical Nutrition (DCN) with advanced practice concentration. The three MS specializations are designed for those students who wish to emphasize the application of nutritional knowledge to the design and operation of community-based health programs. There are two options with this 35-credit-hour MS program. The DCN program is a fully online program with 54-credit-hour requirements.

Option 1: Master of Science in Nutrition and Dietetics/Dietetic Internship

The [Master of Science in Nutrition and Dietetics/Dietetic/Internship option](#) enables graduates from ACEND approved didactic programs in dietetics to fulfill the requirement for a pre-professional supervised practice experience and become eligible to sit for the National Registered Dietitian (RD) Examination in addition to their program of study. This program of study is specifically designed for students who wish to simultaneously complete an ACEND-accredited Dietetic

Internship and a Master of Science degree in nutrition that emphasizes the application of advanced nutrition knowledge in clinical, public health, and/or community settings, or for those who wish to advance studies toward a doctoral degree. Fifteen students are admitted each fall to this four-semester full-time program and students must complete both the master's degree and internship experience in order to receive a verification statement and sit for the Dietetic Registration (RD) Exam. This is a 35 credit hour program. View admission and [degree requirements for the The MS/Dietetic Internship](#).

The Dietetic Internship at the University of North Florida has been granted Accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, (Address: 120 Riverside Plaza, Suite 2190, Chicago, IL 60606-6995; Phone: 312/899-0040 ext. 5400; Email: ACEND@eatright.org; Website: <https://www.eatrightpro.org/acend>). The MS Nutrition Dietetic Internship option admits 15 students each Fall semester to the four semester full-time program. Students must complete both the Master's Degree and the supervised practice (Internship) experience in order to receive a verification statement and be eligible to sit for the entry-level Registered Dietitian (RD) Exam.

Option 2: The Master of Science in Nutrition and Dietetics/Non-internship Option

The wholly online [Master of Science in Nutrition and Dietetics/ Non-internship Option](#) is for Registered Dietitians or graduates of an ACEND accredited baccalaureate (DPD) program in nutrition and dietetics who wish to pursue graduate training. The coursework for all these programs is delivered using an online distance learning format. Students must choose one concentration from Professional Studies in Dietetics, Nutritional Sciences, Global Health, or Healthcare Informatics. This M.S./Nutrition non-internship option allows students to pursue an independent research, thesis or project as a culminating experience in their master's program or getting a global health certificate, or a healthcare informatics certificate through 12-credit certificate programs

View admission and program of study degree [requirements for the MS/Non-internship programs](#).

View graduate application [deadlines](#).

Individualized Supervised Practice Program (ISPP)

<http://onlinedegree.unf.edu/programs>

The University of North Florida's Department of Nutrition and Dietetics offers an optional dietetic practice pathway. It is a non-credit, non-degree program referred to as the Individualized Supervised Practice Pathway (ISPP), made possible by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), the accrediting agency for the Academy of Nutrition and Dietetics. (Website: <https://www.eatrightpro.org/acend>, Address: 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995. Phone: (312) 899-0040 ext. 5400 Email: ACEND@eatright.org). The Individualized Supervised Practice Program of UNF is a distance dietetic internship track that allows motivated candidates the opportunity to find and utilize facilities/agencies in the candidate's community and other locations, and complete the required supervised practice competencies with minimal supervision. Persons who wish to apply to the ISPP must complete the ISPP application for consideration for admission. [View information and fees.](#)

Doctorate in Clinical Nutrition

The Department of Nutrition & Dietetics offers an online [Doctorate in Clinical Nutrition \(DCN\)](#). The DCN program is an advanced practice doctoral program with emphasis on leadership, advanced evidence-based practice, and outcomes-based research. In contrast to a PhD in Nutrition, which is generally focused on bench research, this degree focuses on practice and emphasizes production of applied scholarship and evidence-based outcomes in practice settings. The DCN will prepare practitioners for leadership roles in clinical, community or higher education settings through the course work, advanced practice residency, and the production of applied scholarship.

Graduates will gain expertise and skills in leadership and public policy, clinical treatment, cultural competency, critical thinking, and outcomes research to become advanced level nutrition and dietetics practitioners and researchers. The curriculum will integrate evidence-based practice in nutrition and dietetics to provide the foundation for completion of an outcomes-based research project. The significance of developing an advanced practice Doctorate in

Clinical Nutrition is evident from the increasing prevalence of dietary-related chronic diseases (such as heart disease, diabetes, hypertension, obesity, certain cancers, and renal disease).

Graduates of the program will be rigorously trained to provide leadership in dietary prevention, intervention, and treatment of chronic disease at the individual and population level.

View admission and degree requirements for the [DCN Program](#).

Department of Nutrition & Dietetics Faculty

Lauri Wright, DrPH, RDN, LD/N, FAND, Assistant Professor, Chair & Doctorate in Clinical Nutrition Program Director

Program Directors

Andrea Arikawa PhD, RDN, LD/N, FAND, Associate Professor & Doctorate in Clinical Nutrition Program Co-Director

Melissa Baron, MS, RDN, Instructor and Director of the Community Nutrition & Food Concentration of the Undergraduate Program

Jenifer Ross, DCN, RDN, LD/N, FAND, Assistant Professor and Director of the Didactic Undergraduate Program in Dietetics

Claudia Sealey-Potts, PhD, RDN, LD/N, FAND, Associate Professor and M.S.D.I. & I.S.P.P. Director

Zhiping Yu, PhD, RDN, LD/N, FAND, Associate Professor and M.S. Nutrition Program Director

Faculty

Andrea Altice, MS, RDN, LD/N, Instructor and Food Lab Coordinator

Melissa Baron, MS, RDN, Instructor and Director of the Community Nutrition & Food Concentration of the Undergraduate Program

Catherine Christie, PhD, RDN, LD/N, FAND, Associate Dean

Casey Colin, DCN, RDN, Assistant Professor

Kristen Hicks-Roof, PhD, RDN, Assistant Professor

Jamisha Leftwich, DCN, RDN, Coordinator of the ISPP Program

Alireza Jahan-Mihan, PhD, RDN, Associate Professor

Corinne Labyak, PhD, RDN, Associate Professor

Jill Snyder, MSH, RDN, Instructor and HUN2201 Coordinator

Department of Physical Therapy

The Department of Physical Therapy offers the following degree: [Doctor of Physical Therapy](#). Physical Therapists are health professionals who work with individuals of all ages and abilities to prevent or recover from injuries, and chronic conditions. Physical therapists are movement experts who apply their knowledge in providing a wide array of treatments that include hands on care, exercise prescription and education. Physical therapists are guided by the American Physical Therapy Association vision: Transforming society by optimizing movement to improve the human experience. The Doctor Physical Therapy Program at the University of North Florida (UNF) provides graduates with the knowledge and skills to become practitioners of the highest caliber who are qualified to work in any setting. Students must graduate from an accredited physical therapy program in order to take the National Physical Therapy Examination (NPTE). Upon passing the NPTE, they must apply for licensure in the state in which they plan to work. UNF's Physical Therapy Program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). View the admission and degree requirements.

Department of Physical Therapy Faculty

Department Chair and Program Director

Sherry O. Pinkstaff, PhD, PT, DPT, Associate Professor, Physical Therapy

Faculty

Chitra Lakshmi K Balasubramanian, PT, PhD, Associate Professor

Sara Brennan, PT, DPT, OCS, FAAOMPT, Adjunct Instructor

Gina Brunetti, PT, DPT, NCS, Adjunct Instructor

Tava Buck, PT, DPT, OCS, Adjunct Instructor

Debra Depto-Hoffman, PT, DPT, PCS, Adjunct Instructor

Chris Kopp, PT, DPT, Adjunct Instructor

Beven Livingston, PT, PhD, ATC, Associate Professor

Mary Lundy, PT, MS, DPT, C/NDT, Associate Professor

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Jacqueline Osborne, PT, DPT, GCS, CEEAA, Adjunct Instructor

Raine Osborne, PT, DPT, EdD, OCS, FAAOMT, Visiting Instructor

Rob Robinson, PT, DPT, GCS, Assistant Director of Clinical
Education, Adjunct Instructor

Nata Salvatori, PT, DPT, OCS, SCS, FAAOMPT

Dawn Saracino, PT, DPT, MHS



Department of Public Health

Undergraduate Programs

The [Department of Public Health](#) offers an undergraduate program culminating in a [Bachelor of Science in Health \(B.S.H.\)](#) with a Public Health concentration. The purpose of the B.S.H. in Public Health program is to provide students with the knowledge and skills needed for entry-level public health positions, Certified Health Education Specialist (CHES) certification, and graduate studies. Public health professionals educate individuals and communities about behaviors that promote healthy living and prevent disease and illness. Careers may involve planning, implementing, or evaluating health promotion and disease prevention programs, conducting public health related research, grant writing, and health communication campaigns. Graduates are typically employed in governmental and non-profit health agencies, health care facilities, work site wellness programs or school settings.

University Minors in Public Health, Global Health, and Environmental Studies

A University-wide minor in [Public Health](#) is available for non-Health Science majors, and university-wide minor in [Global Health](#) and [Environmental Studies](#) are available to all students. Students interested in any of these minors should contact the Brooks College of Health Advising Office at (904) 620-2812.

Graduate Programs

The Department of Public Health offers a Master of Public Health with either a concentration in [Epidemiology](#) or [Social & Behavioral Science](#), a Master of Science in [Clinical Mental Health](#)

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Counseling, a [Certificate in Animal Assisted Therapy in Counseling](#), a [Certificate of Applied Public Health & Medical Education Research](#), a [Certificate in Global Health](#), a [Certificate in Mental Health Sexology](#), and a [Certificate in Public Health](#).

Students applying to a graduate program must have an earned baccalaureate degree from an accredited college or university recognized by the University of North Florida. View information on [admission and degree requirements](#).

Department of Public Health Faculty

Michele J. Moore, Ph.D., Professor & Chair

Undergraduate Program Directors

Katryne Lukens-Bull, MPH, Instructor & Director, BSH Public Health Program

Undergraduate Faculty

Amber Barnes, Ph.D., Assistant Professor

Elissa Barr, Ph.D., Professor

Kerry L. Clark, Ph.D., Professor

Erin Largo-Wight, Ph.D., Professor

Katryne Lukens-Bull, MPH, Instructor

Julie Merten, Ph.D., Associate Professor

Deborah M. Owen, MSH, Associate Professor

Jessica Richards, Ph.D., Instructor

Sericea Stallings-Smith, DrPH, Associate Professor

Graduate Program Directors

Elissa Barr, Ph.D., Professor & Director, Public Health Program

Robert Zeglin, Ph.D, Associate Professor & Director, Clinical Mental Health Counseling Program

Graduate Faculty

Amber Barnes, Ph.D., Assistant Professor

Elissa Barr, Ph.D., Professor
Kerry L. Clark, Ph.D., Professor
Erin Largo-Wight, Ph.D., Professor
Julie Merten, Ph.D., Associate Professor
Michele J. Moore, Ph.D., Professor
Lena Salpietro, Ph.D., Assistant Professor
Sericea Stallings-Smith, DrPH, Associate Professor
Kassie Terrell, Ph.D., Assistant Professor
Tes Tuason, Ph.D., Professor
Robert Zeglin, Ph.D., Associate Professor



Coggin College of Business Overview

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Accreditation

Our undergraduate and graduate programs in business and accounting are [AACSB Accredited](#), which is the international gold standard for quality academic programs in business management. As the longest serving global association dedicated to advancing management education worldwide, AACSB accredits 901 of the world's best business schools across 58 countries and territories. Currently, 189 member institutions hold AACSB Accreditation in accounting.



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Mission

To educate and develop business professionals through accredited degree programs by having both students and faculty engaged in scholarly activities for the discovery and application of knowledge.

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Vision

The Coggin College of Business aspires to be the institution of first choice for business education, serving North Florida with top-quality faculty excelling in teaching and scholarship, and sharing with students their passion for life-long discovery and community service.

Values

Coggin College staff, students, and faculty work together in a learning community characterized by civility, mutual respect, and open, honest communication.

The distinctiveness of our learning community is exemplified by the values that we consider most important. Specifically, we value:

- faculty-student interaction of the highest quality;
- global perspective, as an essential aspect of relevant business education; and
- commitment to enthusiasm for continuous learning.

Our faculty and staff embrace these values and encourage our students to do the same. As our students observe professional interactions among faculty, staff and their peers, they are provided with behavioral models to emulate.

Our goal is to live and share these values so that students learning in the Coggin College, which could be limited to receiving information, instead becomes transformational learning. That is, it results in a positive shift in the way students think, view themselves, and view the world around them.

This transformational learning takes place in our classrooms and in experiential learning opportunities such as study abroad; internships; participation in student organizations; involvement in research projects with our faculty; and professional interactions with our staff.

We expect that students who are engaged in the Coggin College learning community will obtain high-quality positions upon graduation and have successful careers as business professionals. As alumni, they become the “Brand” of the Coggin College.

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Wall Street Journal Partnership

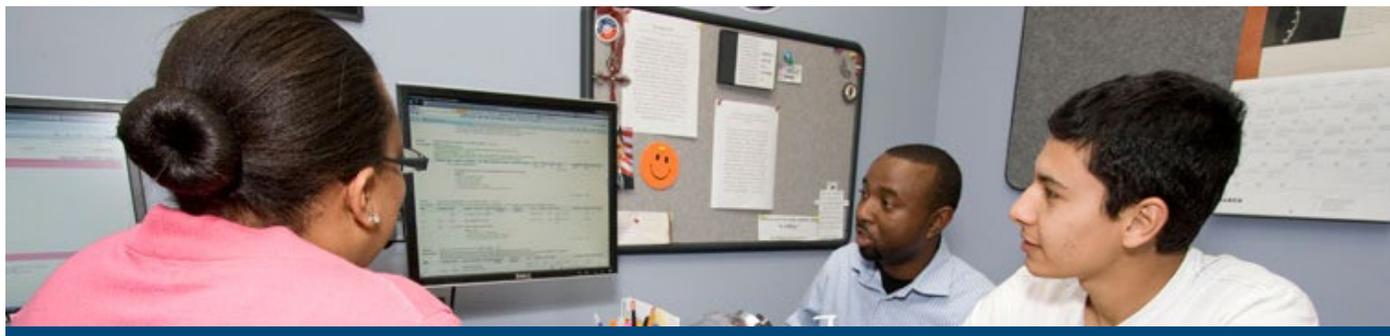
Each student each receives access to all of the Wall Street Journal's online editions, as well as Barron's online and the WSJ Employment Edition. Additional information is available on Coggin College's [Wall Street Journal Partnership webpage](#).

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Jacksonville Business Journal Partnership

All Coggin students have online access to the *Jacksonville Business Journal*. This publication gives students insight into the pulse of the local business community. Additional Information is available on Coggin College's [Jacksonville Business Journal Partnership webpage](#).

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Department of Accounting & Finance

Phone: (904) 620-2630

Web Address: <http://www.unf.edu/coggin/accounting>

The Master of Accountancy and Bachelor of Business Administration in Accounting degree programs are separately accredited by AACSB International – The Association to Advance Collegiate Schools of Business. Less than 1% of business schools worldwide hold both AACSB Business and separate Accounting Accreditation.

Mission

The Department of Accounting and Finance of the University of North Florida shares with the University of North Florida and the Coggin College of Business its fundamental mission.

Within UNF's Department of Accounting and Finance the accounting, finance and financial planning programs are committed to providing high-quality undergraduate and graduate instruction, with particular emphasis on accounting, finance and financial planning education that serves the needs of Northeast Florida. The faculty is committed to teaching excellence enhanced by research

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and interaction with the accounting and finance professionals in the broader business community. Specifically, the Department of Accounting and Finance seeks:

- To provide Bachelor of Business Administration degrees, which prepare graduates for entry into professional and managerial positions in accounting, finance, and financial planning.
- To provide a professionally oriented Master of Accountancy degree, which enables career advancement and the additional accounting coursework necessary to be licensed as a Certified Public Accountant (CPA) under Florida's accountancy law.
- To provide MBA students the coursework necessary to be licensed as a CPA under Florida's accountancy law.
- To provide quality undergraduate and graduate instruction in accounting and finance, which prepares students for lifelong learning and success.
- To provide intellectual contributions that enhance the delivery of instruction to students, improve the application of existing knowledge, and provide solutions primarily to regional issues. The primary emphasis for intellectual contributions is applied research, followed by instructional research, and pure research.
- To provide service, which contributes to meeting the personal, professional, and life-long learning needs of our students, the University community, the business community, and alumni.
- To provide internship and field experience opportunities to departmental students.
- To attract and retain quality faculty dedicated to teaching, research and service activities consistent with the goals of the department, college and University.
- To pursue continuous improvement in teaching, research and service, the department and its stakeholders will regularly evaluate its mission, objectives and outcomes.

The programs in the Department of Accounting and Finance are designed to provide students with the tools and concepts necessary to practice in the complex professions of accounting, finance, financial planning, and real estate. These disciplines are central to the proper understanding and functioning of all sectors of the economy. At UNF, these areas are taught from the viewpoint of the problems they are intended to help solve. Consequently, decision-making implications receive a high priority. Programs of the department are designed to allow the student to pursue a variety of career objectives.

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Accounting Major

The objectives of the BBA in Accounting are:

1. To attract and retain students from diverse backgrounds with the abilities required for success in accounting careers.
2. To provide accounting students with analytical, team-building, and technological skills; written and oral communication skills; critical thinking, research and problem solving skills that are necessary for lifelong success in the accounting profession.
3. To provide exposure to economic, global, political, social, legal, ethical, regulatory, environmental, and technological issues.
4. To encourage students to become active in professional organizations in accounting and taxation.
5. To maintain an AACSB accredited graduate and undergraduate accounting degree programs.
6. To prepare students to enter quality graduate programs.
7. To provide students not seeking a graduate degree a means of fulfilling the CPA requirements in Florida.
8. To provide internship and field experience opportunities to students.
9. To provide students the opportunity to work with faculty on research projects.
10. To provide students opportunities for international travel and study.

While the objectives of the various accounting areas of study have several common paths, there is a point where they diverge. Public accountants need more emphasis in the concepts and standards of auditing and financial reporting. Management accountants, serving as controllers, treasurers, and other financial executives need more concentration in the use of accounting data for predicting future costs and income, as well as for evaluative purposes. Governmental accountants need additional emphasis in special accounting methods for non-profit organizations. Internal auditors need to be able to evaluate managerial effectiveness and efficiency.

Regardless of their choice, students will be expected to demonstrate a sound liberal arts education so that their accounting studies can be seen in the perspective of the broader purposes of the organization that employs them, of society's economic, social and cultural institutions, and of their own life goals.



Honors in Accounting

Requirements:

- Must be a declared Accounting major
- Must have a UNF Accounting GPA of 3.5 or higher
- Must be a member of any Accounting Honor Society
 - must be recognized by the department
- Must successfully complete at least two of the following:
 - study abroad in Accounting or a semester abroad through Coggin
 - an Accounting internship
 - a Directed Independent Study in Accounting
 - serve as an Accounting Supplemental Instruction instructor for one semester
 - a three credit hour Honors thesis in Accounting (if 6hrs, will satisfy this area)

Finance Major

The objectives of the BBA in Finance are:

1. To attract and retain students from diverse backgrounds with the abilities required for success in finance careers.
2. To provide finance students with the skills necessary for success in the finance profession, including analytical, team-building, and technological skills; written and oral communication skills; critical thinking, research and problem-solving skills that are necessary for lifelong success in the finance field.
3. To provide exposure to global, political, social, legal, ethical, regulatory, environmental, and technological issues.
4. To encourage students to become active in professional organizations in finance.
5. To provide internship and field experience opportunities to

students.

6. To provide students an opportunity to work with faculty on research projects.
7. To provide students opportunities for international travel and study.

The major in finance is designed to develop an understanding of the financial aspects of the contemporary economy, the operation of financial institutions, and the financial management of business operations. Students can consider focusing their finance electives into one of the below areas of interest.

- Corporate: emphasizes financial management of the firm and focuses on financial analysis, planning, control, and formulation and implementation of corporate financial strategy. The objective of this option is to prepare students for careers as financial managers of corporations or other for-profit or non-profit organizations.
- Investments: emphasizes security and portfolio analysis, the trading and creation of the various instruments within the markets, and the management of assets and liabilities. The objective of this option is to prepare students for careers as financial analysts and to begin the preparation of students for the Level I test of the Certified Financial Analysis (CFA) designation.
- Real Estate: prepares students for careers in the diverse field of real estate. The program is designed to acquaint students with real estate brokerage, management, appraisal, acquisition, lending, and development with particular emphasis on real estate appraisal, finance, and investment.

The selection of courses for the major in finance should be arranged by students with their academic advisor in conformance with the general requirements outlined below. FIN 3403 and FIN 3233 should be the first two finance courses taken. It is incumbent upon students to plan their courses with the semester in which they are normally offered. Students are warned not to delay taking their finance courses because of prerequisites and limited course offerings.



Financial Planning Major

The objectives of the BBA in Financial Planning are:

1. To attract and retain students from diverse backgrounds with the abilities required for success in careers in the financial planning profession.
2. To provide finance students with the skills necessary for success in the finance planning, including analytical, team-building, and technological skills; written and oral communication skills; and critical thinking, research and problem-solving skills that are necessary for lifelong success in the finance planning profession.
3. To provide exposure to global, political, social, legal, ethical, regulatory, environmental, and technological issues.
4. To encourage students to become active in professional organizations in finance.
5. To provide internship and field experience opportunities to students.
6. To provide students an opportunity to work with faculty on research projects.

The major in financial planning is designed for the student who is interested in a career in personal financial planning in particular and the broader financial services industry in general.

This major integrates investments, estate planning, retirement planning, employee benefits, tax planning, and insurance planning. The objective is to prepare students for careers in the growing financial planning profession. This concentration also emphasizes communication skills. The curriculum is designed to prepare students for the examinations leading to professional designations such as Certified Financial Planner® (CFP®) and Chartered Financial Consultant (ChFC).

The selection of courses for the major in financial planning should be arranged by students with their academic advisor in conformance with the general requirements outlined below.

The requirements for a major in financial planning are:

1. Prerequisites for Coggin College of Business:
60 lower-level credit hours from an approved institution (See

accounting curriculum for complete details).

2. Requirements to earn the bachelor of business administration degree with a major in financial services are:



CFP® and Certified Financial Planner® are certification marks owned by the Certified Financial Planner Board of Standards, Inc. These marks are awarded to individuals who successfully complete the CFP Board's initial and ongoing certification requirements.

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Department of Accounting & Finance Faculty

Phone: (904) 620-2630

Web Address: www.unf.edu/coggin/accounting

David G. Jaeger, Associate Professor, Chair & Director of Master of Accountancy Program

Parvez Ahmed, Professor

Timothy Bell, Professor, Chairholder & Coggin Distinguished Professor of Accounting

Mark C. Dawkins, Professor

Cheryl Frohlich, Professor

Reinhold P. Lamb, Professor & Chairholder

John B. MacArthur, Professor & Chairholder

Jeffrey E. Michelman, Professor

Pieter de Jong, Professor

Oliver Schnusenberg, Professor

David Bryan, Associate Professor

Sean Davis, Associate Professor

John E. McEldowney, Associate Professor

Robert Slater, Associate Professor

Yvonne Lee, Assistant Professor

Mark Smith, Assistant Professor

Hubert W. Gill, Senior Instructor

Jeffrey Gottlieb, Instructor

Mark Leininger, Instructor

R. Michael Morris, Instructor

Monica Salomon, Instructor

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Department of Accounting & Finance Policies

Undergraduate

- All students must meet with a Coggin advisor to receive their official Degree Evaluation and Osprey Map to stay on track for graduation.
- Students under the Accounting and Finance Department are encouraged to take advantage of [internship](#) and [study abroad](#) opportunities.
- Strategic Management and Business Policy - MAN4720 is taken in a student's last semester. An institutional and a program upper-level GPA of 2.0 or better is required before permission is granted to register for MAN4720. Prerequisite courses FIN3403, MAN3025, and MAR3023 must be completed prior to taking MAN4720.
- Review Coggin's [undergraduate academic policies](#) page for additional information.

Graduate

- Master of Accountancy students are expected to make a "B" or better in all graduate level courses.
- Students have 7 years to complete this program.
- Transfer courses are very restricted. See your academic advisor for details.
- A student must have a UNF graduate level GPA of 3.0 or better in order to graduate.

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Department of Economics & Geography

Phone: (904) 620-2640

Web Address: <http://www.unf.edu/coggin/economics>

Mission

The Department of Economics and Geography is committed to the delivery of exceptional undergraduate and graduate instruction by faculty members who are both actively engaged in scholarly activities and capable of integrating the results of their research into their instructional activities. Our intent is that this instruction will emphasize our role in guiding students to prepare them to be intellectual resources that will continually redevelop to serve many organizations over a productive career. Students are expected to take courses in microeconomics and macroeconomics, as well as econometric courses. Students will gain experience in the understanding of the global economy by taking international economics courses as well as having a study abroad experience.

We also recognize our responsibility to provide economics related services to the University and Jacksonville communities.

Economics Major

The program in the Department of Economics and Geography in the Coggin College of Business is designed to provide students with the

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tools and concepts necessary to understand our modern economy, to function more effectively as citizens, and to make sound decisions. A major in economics opens the door to a wide variety of jobs in business, government, nonprofits, finance, and other professions. Economics is particularly appropriate for those students who plan to enter public service or law, whether in the community or at other levels, or who plan to go on to graduate study. Both BA and BBA degrees in Economics are offered in the Coggin College of Business. The BA program leaves more flexibility for students to add a major or minor from other disciplines (e.g. Psychology, Communication, History, Political Science, Sociology, Statistics) to build a foundation for a non-business career path. The BBA program requires core courses in businesses and is intended for students who are considering a business career.

The faculty strongly recommends that students who plan to enroll in graduate school in economics pursue a minor in mathematics or statistics, to include some of the following courses:

- Calculus I and II
- Linear Algebra
- Differential Equations
- Probability and Statistics at the upper-division level
- Statistical Methods I and II

Note: graduate school admission requirements in economics often require Calculus I and II and Linear Algebra.



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Honors in Economics

Eligibility:

- Completion of at least 60 credit hours of college credit, including at least 12 graded upper-division hours at the University of North Florida
- A minimum of 3.5 GPA within the major
- A minimum of 3.2 GPA in all upper-division courses regardless of Institution

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Requirements:

Upon admission to Honors in the Major, the student may be asked to complete IDH3922: Thesis Research Prospectus Colloquium (Optional): 1 hour

- ECO4903 Direct Independent Study Honors in Economics Research: 3 credit hours
- ECO4970 Direct Independent Study Honors in Economics Thesis: 3 credit hours
 - Prerequisite: ECO4903
- Completion of Honors Thesis
 - Prerequisite: ECO4903
 - Corequisite: ECO4970
- Honors in Economics will be awarded upon successful defense of the Honors Thesis.

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Department of Economics & Geography Faculty

Phone: (904) 620-2640

Web Address: www.unf.edu/coggin/economics

Russell Triplett, Associate Professor of Economics & Interim Chair

Lian An, Professor of Economics

Mina N. Balamoune-Lutz, Professor of Economics

Sharon C. Cobb, Professor of Geography

Andrés Alberto Gallo, Professor of Economics & Director of the International Business Flagship Program

Chung-Ping (Albert) Loh, Professor of Economics & Interim Associate Dean

Harriet A. Stranahan, Professor of Economics

Madeline Zavodny, Professor of Economics

Christopher W. Baynard, Associate Professor of Geography

J. David Lambert, Associate Professor of GIS

Chiradip Chatterjee, Assistant Professor of Economics

Nilufer Ozdemir, Assistant Professor of Economics

Mary Beal, Associate Instructor of Economics

W. Thomas Coppedge, Associate Instructor of Economics

Jan Duggar, Visiting Assistant Instructor of Economics

John Slattery, Adjunct Instructor of Economics

Holly Donohoe, Adjunct Instructor of Geography

Yirgalem Habtemariam, Adjunct Instructor of Geography

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Department of Economics & Geography Policies

- All students must meet with a Coggin advisor to receive their official Degree Evaluation and Osprey Map to stay on track for graduation.
- All Economics Majors are required to participate in an approved [international educational experience](#). Examples of approved experiences include the following:
 - Successful completion of an internship abroad.
 - Successful participation in a Coggin-Sponsored study abroad program.
 - Successful participation in a student exchange program abroad.
 - Studying another language abroad.
 - International students are exempt from this requirement.
- Economics majors are encouraged to take advantage of internship opportunities.
- For BBA students only, Strategic Management and Business Policy - MAN4720 is taken in a student's last semester. An institutional and a program upper-level GPA of 2.0 or better is required before permission is granted to register for MAN4720. Prerequisite courses FIN3403, MAN3025, and MAR3023 must be completed prior to taking MAN4720.
- Review Coggin's [undergraduate academic policies](#) page for additional information.

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Use of International Academic Experiences in Undergraduate Degree Evaluations

The Coggin College of Business supports and encourages undergraduate students to study abroad. In all cases, students must obtain approval regarding anticipated academic credit earned prior to departure.

The Coggin College of Business offers three types of international experience [programs](#):

1. Faculty-led study abroad courses
2. 4 week summer programs (via exchange partners)
3. Semester and academic year abroad (via exchange partners)

On a limited case by case basis, students may be approved through the formal College petition process to participate in non-Coggin College of Business study abroad programs, when demonstrating a unique need unable to be met through a Coggin College of Business study abroad program.

Note: Coggin undergraduate students can only apply to TWO upper-level, faculty-led study abroad courses towards their program of study. This excludes the 4-week summer and semester programs. Also, Coggin undergraduate students can only use ONE faculty-led study abroad towards their “major” requirements.

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Department of Management

Phone: (904) 620-2780

Web Address: www.unf.edu/coggin/management/

Management Major

The management major is designed for students who envision embarking on a career that will lead them into organizational management. The theme of the Department of Management is value creation. As both a discipline and a process, the theoretical paradigms and frameworks upon which managers create value provide a strong foundation for our scholarly research and innovative instruction. The development of an organization's people, technology, and cross-functional processes, as well as their subsequent interaction, facilitate the internal environment necessary to create value. For effective value creation, these activities must be consistent with each other and with the organization's strategy. In addition, value-creating activities must transform over time to meet the changing demands of the external environment. Therefore, effective management requires an understanding of the dynamics of the internal environment, monitoring of the external environment, and the evolving process of strategic implementation. Thus, the management curriculum is to develop the student's proficiency in resource evaluation, resource allocation, and resource management. This mission theme recognizes all organizational inputs (i.e., human resources, financial resources, physical resources, and knowledge, informational and systems resources) as

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resources that must be managed for an organization to function effectively.



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The curriculum is under constant review by the faculty to insure that its combination of business, technical, and behavioral courses remain relevant to the ever-changing business environment and global economy, and prepares the management major to meet the challenges they would likely face in either the private, public, or non-profit sectors. The student majoring in management is provided with program flexibility in tailoring their individual programs toward degree and career objectives. Each course within the management major has been designed to provide the student with specific and discrete content while also demonstrating the course's applicability to the overall mission theme.

Students who choose management as their area of concentration must satisfy all requirements for the BBA degree. As a part of the BBA degree program, these students must satisfy the management major requirement and a contextual studies requirement. The individual seeking to major in the Management discipline is required to take all courses required for the Management major, including the BBA core, in residence at the University of North Florida. Transfer credit may be accepted only on an exception basis through the petition process.



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[Department of Management Faculty](#)

Phone: (904) 620-2780

Web Address: www.unf.edu/coggin/management/

Lakshmi Goel, Ph.D., Coggin Endowed Strategic Professor,
Professor of Information Systems Management

Paul A. Fadil, Ph.D., Professor of Management

Bruce Fortado, Ph.D., Professor of Human Resource Management

Bruce Kavan, Ph.D., Professor Emeriti of Information Systems
Management

Dag Näslund, Ph.D., Professor of Operations Management &
Quantitative Methods

Cheryl A. Van Deusen, Ph.D., Professor of Management

Steven A. Williamson, DBA., Professor & Director, The Paper and
Plastics Education and Research (PAPER) Institute

Rahul W. Kale, Ph.D., Associate Professor of Operations
Management & Quantitative Methods

Dong-Young Kim, Ph.D., Professor of Operations Management &
Quantitative Methods

Robert W. Schupp, JD., Associate Professor of Business Law

Ping Ying Zhang, Ph.D., Management Department Chair

C. Brian Flynn, Ph.D., Associate Professor of Management

Rachel Frieder, Ph.D., Assistant Professor of Management

Nathan Kunz, Ph.D., Associate Professor of Operations
Management

Matt Leon, Ph. D., Assistant Professor of Management

Koren Borges, M.B.A., Associate Professor of Management

Diane Denslow, M.B.A., Associate Professor of Management

Robert Renn, Ph.D., Assistant Professor of Management

Douglas Titus, M.B.A., Instructor of Information Systems
Management

Zuopeng (Justin) Zhang, Ph.D., Assistant Professor of Information
Systems Management

Di (Richard) Shang, Ph.D., Assistant Professor of Information
Systems Management

Amrita, Ph.D., Instructor of Information Systems Management

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Department of Management Policies

Undergraduate

- All students must meet with a Coggin advisor to receive their official Degree Evaluation and Osprey Map to stay on track for graduation.
- Management majors are encouraged to take advantage of [internship](#) and [study abroad](#) opportunities for academic credit. See a Coggin advisor for more information.
- Strategic Management and Business Policy - MAN4720 is taken in a student's last semester. An institutional and a program upper-level GPA of 2.0 or better is required before permission is granted to register for MAN4720. Prerequisite courses FIN3403, MAN3025, and MAR3023 must be completed prior to taking MAN4720.
- Review Coggin's [undergraduate academic policies](#) page for additional information.

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Department of Marketing & Logistics

Phone: (904) 620-2780

Web Address: <http://www.unf.edu/coggin/marketing/>

Marketing Major

Ever notice how some brands or campaigns can just connect with you? The Marketing Major provides students with the consumer behavior and analytics tools needed to develop a clear understanding of the customer's purchase journey and to apply these consumer insights to create compelling products and campaigns that captivate these very customers. The marketing curriculum furnishes students with content knowledge and its applications in the principles of marketing, consumer behavior, marketing research and information systems, strategic marketing management, and additional elective areas of marketing as well as more general knowledge and skills relevant to business and a business career. Students with an interest in a sales career can select sales management, professional selling, integrated marketing communications, and professional sales Internship as marketing major electives. Students with an interest in the growing field of analytics and in working with big data can select to minor in [Digital Marketing and Analytics](#), which focuses on a wide array of highly

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demanded courses by employers such as digital marketing strategy, introduction to marketing analytics, and social media marketing strategy.



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Honors in Marketing

Eligibility:

- Declared Marketing major
- At least two non-summer semesters remaining to graduate, excluding enrolled semester
- An overall GPA or UNF GPA (whichever is higher) of 3.5 or higher
- Completion of Principles of Marketing (MAR 3023) with at least an "A-"

Requirements:

- Complete all courses required to graduate with a Marketing degree
- Complete required honors course with a "B"
- Complete internship course with a "B"
- Active member of an approved business club for at least two semesters
 - Approved clubs: UNF Sales Club, UNF AMA, Jacksonville AMA, Women and Business, or other general business club as approved by the honors program committee
- Complete of 100 hours of an approved service activity
 - Approved activities: serving as a tutor, a student mentor, or another on or off campus service activity with a not-for-profit as approved by the honors program committee
- Complete of a paid, professional honors internship or a research-based directed independent study (if student's career path is to pursue a doctorate).

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Program)

The University of North Florida's Transportation and Logistics Program offers a unique and rewarding program for students electing to major in transportation and logistics. The program prepares students for challenging careers in supply chain management, international logistics, transportation, and physical distribution in domestic and international settings. Many graduates of the Program have accepted positions with local and regional logistics firms as well as with major corporations located throughout the country. The Program has received considerable state, national, and international recognition. The University of North Florida has designated the program as one of only six Flagship programs so identified on campus. The [program](#) is nationally recognized in its field in the USA, placing it among top-tier research universities nationally, and is one of the few non-doctoral-granting institutions in the field. Recent research placed the program in the top 25 in terms of thought leadership in the discipline, as measured by the last 40 years of publications in that journal. Program graduates are automatically certified (upon application, by blanket waiver) by the American Society of Transportation & Logistics – a recognition of curriculum quality granted to only 28 programs nationwide. The Florida Board of Regents selected the UNF Transportation and Logistics Program as one of the initial five programs to receive the Florida Legislature's "Programs of Distinction" emphasis within the State University System. The Board of Regents further recognized the Program by designating it as one of the university system's "Centers for Excellence." These distinctions provide many opportunities for the Transportation and Logistics Program to develop innovative approaches for transportation and logistics education and community service.

The program has outstanding fit to the regional economy. As a growing leader in logistics and international commerce, the Jacksonville area represents a tremendous opportunity for gaining logistics experience. Jacksonville has become a major distribution hub with extensive access to rail, air, maritime and highway transportation as well as to warehousing and international logistics. The city has been recognized as one of the top 10 logistics-friendly U.S. cities, and transportation and logistics has been identified as one of city's four economic "super sectors." More than 650 firms in the region have some significant involvement in freight movement. Program faculty have built outstanding connections to regional T&L leaders CSX, CEVA (formerly TNT) Logistics, Landstar, Crowley, Sea Star Line, Suddath and Southeast Toyota Distributors (all of

whom are headquartered here), as well as notable firms which require Transportation & Logistics expertise, including GE, Target, Walgreens, Sears, WalMart, Volkswagen North America, Johnson & Johnson Vistakon and McKesson. Internships with local companies provide opportunities for students to gain hands-on management experience while also applying their education in a real-world setting.

All students seeking a BBA degree with a major in Transportation and Logistics must meet all of the requirements for that degree, including the prerequisites and the 21 credit hours common to all majors. The Transportation and Logistics major also offers significant flexibility for students to double major in other business programs in order to obtain a competitive advantage in the job market due to the high demand for logistics graduates.



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Department of Marketing & Logistics Faculty

Phone: (904) 620-2780

Web Address: <http://www.unf.edu/coggin/marketing/>

Reham A. Eltantawy, Ph.D., Associate Professor of Marketing and
Department Chair

Dawn M. Russell, Ph.D., Associate Professor of Transportation and
Logistics; Interim Director, Transportation and Logistics Flagship
Program; Director, MBA, MSM, MSLSCM, and Graduate Certificate
Programs

Ronald J. Adams, Ph.D., Professor Emeritus of Marketing

Youngtae Choi, Ph.D., Associate Professor of Marketing

Adel I. El-Ansary, Ph.D., Professor & Chairholder (Donna L. Harper
Professor of Marketing)

Gregory T. Gundlach, Ph.D., Professor & Coggin Distinguished
Professor of Marketing

Greg Gutkowski, MBA, Instructor

Benjamin Hippeli, MBA, Adjunct

Michael McCardle, Ph.D., Assistant Professor

Natalie Mitchell, Ph.D., Instructor

Courtney Nations, Ph.D., Assistant Professor

Marc Rubinstein, MBA, Adjunct

Hanieh Sardashti, Ph.D., Assistant Professor

Rodger David Swanson, Ph.D., Assistant Professor of
Transportation & Logistics

Andrew Thoeni, D.B.A., Instructor

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Department of Marketing & Logistics Policies

- All students must meet with a Coggin advisor to receive their official Degree Evaluation and Osprey Map to stay on track for graduation.
- Economics majors are encouraged to take advantage of [internship](#) and [study abroad](#) opportunities.
- Strategic Management and Business Policy - MAN4720 is taken in a student's last semester. An institutional and a program upper-level GPA of 2.0 or better is required before permission is granted to register for MAN4720. Prerequisite courses FIN3403, MAN3025, and MAR3023 must be completed prior to taking MAN4720.
- Review Coggin's [undergraduate academic policies](#) page for additional information.

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International Business Flagship Program

Phone: (904) 620-2916

Web Address: www.unf.edu/coggin/international

Andrés Gallo, Professor, Director of IB Flagship Program

Kate Mattingly Learch, Director of Study Abroad

Nyieta Charlot, Academic Support Services Coordinator

Stephanie Worley, Study Abroad and Exchange Student Advisor

International Business Major

The international business major was designated part of the International Business Flagship program by former UNF President John Delaney. The international business major is designed for students who are excited about the increasing globalization of the business world. Students who major in international business will be prepared not only for doing business domestically, but also for engaging in the dynamic world of global business which includes marketing, logistics, import/export and international finance. A

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select group of students are able to participate in one of our double degree programs with KEDGE Business School in Marseilles, France or the University of Valencia in Spain. These unique opportunities allow students the chance to spend two years abroad, which includes a six month internship. Students selected for this program must have a demonstrated interest in French or Spanish language, history and culture.

All Coggin College of Business students receive a solid foundation in all functional areas in business, including economics, finance, law, management, and marketing. In addition, all students develop both quantitative skills and communications skills. However, UNF international business majors distinguish themselves from other business majors in five ways.

- They learn about international aspects of functional business areas, including economics, finance, management and marketing.
- They become proficient in a foreign language at the intermediate level or above.
- They learn about a particular area of the world.
- They complete an internship with an organization actively involved in international business. This training provides international business majors with practical experience that will make them more marketable upon graduation.
- They are required to complete an international experience, which may include a four week "Coggin in" summer program abroad, a semester abroad or an internship abroad.

Students should consider joining Coggin organizations, such as the [Coggin Delegation](#) or [Rotaract](#), in order to hone their intercultural communication and foreign language skills.

International business majors must satisfy all requirements for the BBA degree.

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Honors in International Business

Requirements:

- Must be a declared International Business major
- Must have an overall GPA or UNF GPA (whichever is higher)

- of 3.4 or higher
- Complete either:
 - one semester abroad at a partner University, or
 - an International Business internship abroad
- Complete at least two semesters of active participation in Coggin Delegation
- Complete a self-reflecting document

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International Business Program Policies

- All students must meet with a Coggin advisor to receive their official Degree Evaluation and Osprey Map to stay on track for graduation.
- International Business Majors are required to complete an approved [internship](#), foreign language proficiency, and an approved international experience.
- Examples of approved international experiences include the following:
 - Successful completion of an internship abroad.
 - Successful participation in an approved [study abroad program](#) of at least 4 weeks in duration.
- Strategic Management and Business Policy - MAN4720 is taken in a student's last semester. An institutional and a program upper-level GPA of 2.0 or better is required before permission is granted to register for MAN4720. Prerequisite courses FIN3403, MAN3025, and MAR3023 must be completed prior to taking MAN4720.
- Review Coggin's [undergraduate academic policies](#) page for additional information.

Note: IB majors must apply for a passport in 1st semester.

Use of International Academic Experiences in Undergraduate Degree Evaluations

The Coggin College of Business supports and encourages undergraduate students to study abroad. In all cases, students must obtain approval regarding anticipated academic credit earned prior to departure. International Business majors planning to fulfill the

international experience requirement by studying abroad must participate in a program whose overseas component is a minimum of 4 weeks.

The Coggin College of Business International Flagship Program offers five types of [study abroad programs](#):

1. Faculty-led study abroad courses*
2. 4 week summer programs (via exchange partners)
3. Semester and academic year abroad (via exchange partners)
4. Semester internship abroad
5. Double degree programs (via exchange partners)

*Faculty-led study abroad courses cannot fulfill the international experience requirement for International Business majors. Coggin undergraduate students can only apply TWO upper-level, faculty-led study abroad courses towards their program of study. This excludes the 4-week summer and semester programs. Also, Coggin undergraduate students can only use ONE faculty-led study abroad towards their “major” requirements.

On a limited case by case basis, students may be approved (through the formal College petition process) to participate in non-Coggin College of Business study abroad programs, when demonstrating a unique need unable to be met through a Coggin College of Business study abroad program.

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College of Arts and Sciences Overview

Location: Building 51, Room 3301

Phone: (904) 620-2560

Web Address: www.unf.edu/coas/

Dean's Office

George Rainbolt, Dean

Lev Gasparov, Associate Dean for Faculty Advancement

Natasha Christie, Interim Associate Dean for Student Learning

Amanda Lovins, Associate Director for Staff Support and Administration

Beth Clements, Scheduling Coordinator

Ricarla Jackson, Personnel Coordinator

Alicia Erchul, Budget Coordinator

Chellie Jones-Harris, Administrative Assistant for Staff and Budget Support

Anne-Marie Campbell, Director of Development

Kyle Enriquez-Musser, Assistant Director of Development

Vision

The College of Arts and Sciences at the University of North Florida distinguishes itself through its commitment to the success of students, faculty, and staff. We foster a diverse environment centered on critical thinking and creative discovery for the benefit of the individual and the advancement of society. Building on a commitment to academic freedom, humility, humanity, and integrity, our high-quality educational programs, research, and creative

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activities lead to national and international recognition.

Undergraduate Programs

The College of Arts and Sciences is the bedrock of the University of North Florida just as the liberal arts curriculum is at the very center of the University's mission. What students acquire through their engagement with the liberal arts is a sense of their place within the universe, whether that universe is defined in physical, social, moral, or aesthetic terms. It is for this reason that general education, provided largely by the College of Arts and Sciences, is the foundation for all further University study. It is why premier graduate and professional schools continue to give admissions preference to students who choose to major in one of the liberal arts even if they intend to pursue advanced study in a technical or professional field.

The curriculum of the College of Arts and Science is rich and deep. In the complex world of the 21st century, a grounding in the liberal arts is more urgent than ever as we encounter, at an ever-faster pace, challenges to our experience and understanding that we could not have anticipated a short while ago.

Graduate Programs

The College of Arts and Sciences has nine graduate programs among its educational offerings. Master's degrees are offered in Biology, Criminal Justice, English, History, Mathematics/Statistics, Music, Public Administration, Psychology, and Social Work (two degrees are offered in Biology). Given the mission of the University, many of these degrees are focused on the applied and practical. They are constructed to serve graduate students who seek to attain the advanced education necessary for securing high-quality employment or advancement. Many of our graduates occupy positions of leadership within the City of Jacksonville, regional industry, and UNF itself. Students seeking master's degrees at UNF have also been very successful when they subsequently choose to pursue doctoral programs at other institutions. The College of Arts and Sciences has some of the most venerable and well-established graduate programs in the University, and we take great pride in helping our graduate students meet their personal and professional aspirations.

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Department of Art and Design

Location: Building 45, Room 2022 in the Fine Arts Center

Phone: (904) 620-4037

Web Address: <http://www.unf.edu/coas/art-design>

Chair: David J. Begley, MFA

Mission

The nationally accredited department of Art and Design provides undergraduate degree programs in Art History, Painting/Drawing/Printmaking, Graphic Design and Digital Media, Photography, Ceramics, and Sculpture. Our nationally and internationally accomplished faculty participate in exhibitions and commissions, engage in ground-breaking scholarly research, and as experts in their fields, provide outstanding undergraduate instruction through a broad and diverse curriculum. The department's dynamic and innovative programs go beyond curriculum and classroom walls to foster experiential and transformational learning through internships, community engagement, undergraduate research and exhibition, study abroad, and gallery practice and museum study opportunities in collaboration with the Museum of Contemporary Art (MOCA) Jacksonville, a cultural institute of UNF. The department of Art and Design prepares its students to excel as creative thinkers, makers, and cultural entrepreneurs, to excel in their disciplines, and to be successful in a broad range of graduate programs and professions in the arts and beyond.

The Program

The Department of Art and Design offers courses of study leading to career preparation in Fine Arts, Graphic Design & Digital Media, and Art History as practitioners, teachers, artists or consultants; provides

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service courses in art and art history to other disciplines in the University; and fosters individual professional growth and cultural enhancement by promoting artistic production and scholarly research on the part of the faculty and students. The department seeks to enrich the cultural atmosphere and intellectual awareness of the University and Northeast Florida through art exhibitions, lectures, seminars, workshops and study abroad opportunities.

The comprehensive, multifaceted art curriculum is designed to produce an artistically sophisticated graduate with realistic expectations to compete in the job market or pursue graduate study. Program concentrations are in Painting, Drawing and Printmaking, Ceramics, Sculpture, and Graphic Design & Digital Media. All studio and design concentrations emphasize a hands-on approach and feature opportunities for exhibition and presentation. Access to the greater Jacksonville area lends additional professional appeal because of its vibrant arts community, numerous exhibition venues and art museums. The Department works closely with MOCA Jacksonville, a Cultural Institute of UNF, and the Cummer Museum of Art and Gardens. UNF faculty members are involved in curating exhibitions at the museums, presenting lectures and serving on museum committees.

The Department of Art and Design received the prestigious accreditation from the National Association of School of Art and Design (NASAD) in October 2106. NASAD accreditation signals the department's excellence in faculty, programs, and curriculum, and the wide support it receives from the university administration and staff.

Majors and Minors

The Department offers the Bachelor of Fine Arts with concentrations in Painting/Drawing/Printmaking, Ceramics, Sculpture and Photography . Additionally, a Limited Access Bachelor of Fine Arts in Graphic Design and Digital Media is available. Finally, a Bachelor of Arts in Art History is also offered. Minors are offered in Fine Arts, Photography, Art History and Ceramics.

Study Abroad

The Department sponsors an annual six-week study abroad program in Italy where students can study and experience first-hand some of the most important works from western civilization. Art

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History and studio courses are offered. Students visit both smaller towns and large urban centers such as Florence and Naples while the majority of the program is anchored in Rome. Other study abroad programs are offered on a rotating basis such as graphic design and digital media programs in Brazil, England, and Ireland.

There are several competitive scholarships available for majors in the department to help support study abroad opportunities.

Opportunities for Student Exhibitions and Internships

Students interested in Museum Studies and gallery work may be interested in internships at the Cummer Museum of Art and Gardens and MOCA Jacksonville. The Department also maintains and curates a regular exhibition schedule in the UNF Gallery at MOCA, UNF Gallery and at the Lufrano Gallery in the Student Union.

Internships are also available in graphic design firms and corporations, photography studios, various galleries, the Cultural Council of Greater Jacksonville, and area hospitals that coordinate art therapy programs.

Student Organizations

There are a number of student organizations in the department including the Sculptors' Guild, the Pottery Guild, the Photo Club, the Print Guild, the Painting Guild, and The Osprey Design Club.

The Faculty

The faculty of the Department of Art and Design is composed of award winning professors and artists who have established national and international reputations. The Faculty holds membership in a variety of professional organizations including the College Art Association, the Southeastern College Art Association, the Renaissance Society of America, Southern Graphics International, AIGA, the Society for Photographic Education, and the National Council on Education for the Ceramic Arts, among others.

The Barbara Ritzman Devereux Artist Workshop

Through generous support from the family of the late Barbara

Ritzman Devereux, an artist of national stature is invited annually to campus to work with students, exhibit and lecture.

Department of Art & Design Faculty

David J. Begley, Associate Professor and Chair

Amy Bennion, Assistant Professor

Peter S. Brown, Professor

Blake Coglianese, Associate Professor

Vanessa B. Cruz, Associate Professor

Alexander Diaz, Associate Professor

Trevor T. Dunn, Associate Professor

David Fenner, Professor

Sheila Goloborotko, Associate Professor

Jennifer Hager, Professor

Elizabeth B. Heuer, Associate Professor

Stephen E. Heywood, Professor

Jason C. John, Associate Professor

Andrew Kozlowski, Assistant Professor

Kally Malcom, Associate Professor

Debra L. Murphy, Professor

Elizabeth B. Nabi, Associate Professor

Claudia Scaff, Associate Professor

Christopher W. Trice, Associate Professor

Lance Vickery, Assistant Professor

Lisa West, Instructor

Jessica Boursky, Gallery Director/Instructor

Professors Emeriti

Louise Freshman Brown, Professor Emerita

Robert Cocanougher, Professor Emeritus

Nofa F. Dixon, Associate Professor Emerita

Paul Ladnier, Associate Professor Emeritus

Paul C. Karabinis, Associate Professor Emeritus



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[Biology Faculty](#)

Department of Biology

Location: Building 59, Room 1300

Phone: (904) 620-2830

Web Address: <http://www.unf.edu/coas/biology/>

Dr. Cliff Ross, Chair

Mission

The guiding principle of the Department of Biology is the search for understanding and knowledge through the scientific study of life and the dissemination of this information to students, the scientific community, and the general public. The Department of Biology faculty members teach and conduct research in diverse fields of biology. The strength of the department lies in its broad-based academic program, collaborative efforts of faculty, and its integration of undergraduates in all aspects of research. The Department of Biology educates the general student body of UNF in biological principles and seeks to develop an understanding of science, applied writing, mathematics, analytical reasoning and critical thinking skills in the context of biology. We seek to provide individualized attention at both the undergraduate and graduate levels to students interested in careers related to biological science. The department believes that the active involvement in scholarly pursuits of graduate and undergraduate students is the ultimate expression of teaching and learning.

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The Biology department is home to over 1000 undergraduate majors and more than 35 graduate students. There are two Bachelor of Science degrees offered through the department, Biomedical Sciences and Biology. The latter contains four concentrations that allow undergraduate students to customize their degree for their career aspirations. Graduate students can choose either a Master of Science or a Master of Arts degree, both of which have tracks that allow students to gain experience in an array of sub-disciplines. In addition, the department offers an accelerated BS-MS program in Biomedical Sciences. For all of our students, individual attention and opportunities to conduct research with our faculty are hallmarks of their degree. Biology faculty members are involved in research concerning aquatic and terrestrial ecology, cell and molecular biology, physiology, and microbial studies and have obtained federal grants from agencies such as the National Institutes of Health, the National Science Foundation, and NASA. Our Biological Sciences building provides state-of-the-art teaching and research facilities including features such as a fully automated greenhouse, a sea water 'on tap' system, and a marine mammal necropsy lab to name a few. Our department is also home to a nationally funded Coastal and Marine Biology program as well as a vibrant Biomedical Sciences program.

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Graduate Degree Programs

The department offers two graduate degrees, a Master of Arts and a Master of Science in Biology. The Master of Arts (M.A.) in Biology degree program is designed primarily to provide secondary school teachers and professionals in environmental fields with advanced training in the biological sciences through extensive coursework. The Master of Science (M.S.) biology degree program is designed to provide graduate students with advanced knowledge, skills and techniques in the biological sciences through coursework and an independent thesis research project. There is an option for a non-thesis track MS in Biomedical Sciences as well.

Undergraduate Major Degree Programs

The Department of Biology offers a Bachelor of Science degree in Biology with four areas of concentration: Coastal and Marine Biology, Coastal Environmental Science, Molecular Cell Biology and Biotechnology, and Ecology and Evolutionary Biology. An undergraduate certificate in Biotechnology is available which helps students build skills that are attractive to employers and graduate

schools. The Bachelor of Science degrees in Biology and Biomedical Sciences are Selective Admissions programs. Students must meet certain criteria and then apply. To be accepted, students must have taken General Biology I and II (or equivalents) and General Chemistry I and II (or equivalents) with minimum grades of two B's and two C's in those four courses.

Undergraduate Minor Degree Programs

Undergraduate students majoring in another field can choose a minor in Biology.

Department of Biology Faculty

Cliff Ross, Professor & Chair

Kristine C. Amatuli, Associate Lecturer

Andrew A. Beall, Associate Lecturer

Doria F. Bowers, Professor

Joseph A. Butler, Professor Emeritus

Dale A. Casamatta, Professor

Charles B. Coughlin, Associate Lecturer

Terri N. Ellis, Associate Professor

James J. Gelsleichter, Associate Professor

Quincy A. Gibson, Associate Professor

Matthew R. Gilg, Professor

M. Laura Habegger, Assistant Professor

Courtney T. Hackney, Professor Emeritus

John D. Hatle, Professor

Eric G. Johnson, Associate Professor

Michael R. Lentz, Associate Professor

Daniel C. Moon, Professor

Jamie C. Moon, Associate Lecturer

Judith D. Ochrietor, Associate Professor & Assistant Chair

Fatima K. Rehman, Associate Lecturer

Simon J. Rhodes, Professor

Adam E. Rosenblatt, Assistant Professor

Anthony M. Rossi, Professor

Deborah Smith, Lecturer

Frank W. Smith III, Assistant Professor

Kelly J. Smith, Associate Professor

Elizabeth Stotz-Potter, Lecturer

Janice E. Swenson, Associate Lecturer

Candice Ginn T. Tahimic, Assistant Professor

David S. Waddell, Associate Professor



[About Chemistry programs](#)

[Chemistry Faculty](#)

Department of Chemistry

Location: Building 50, Room 3400

Email: chemistry@unf.edu

Phone: (904) 620-3503

Facsimile: (904) 620-3535

Web Address: <http://www.unf.edu/coas/chemistry>

Dr. Bryan Knuckley, Chair

Mission

The mission of the Chemistry Department is to provide excellent educational experiences in the classroom and in the laboratory at all levels and in all sub-disciplines of chemistry, with the goal to foster in our students a solid background in the foundational aspects, an understanding of the scientific methods of inquiry, and an appreciation of the significance and relevance of chemistry in daily life. We strive to offer programs of relevance that instill in our students the principles, motivation, comprehension, and the vision to prepare them for graduate school, medical school, or for careers in the chemical industry or in teaching. Toward these ends, the department has focused its resources to develop undergraduate curricula that inspire our students to gain a firm and operative understanding of the fundamental theories and principles in chemistry and biochemistry and to provide opportunities for faculty to mentor undergraduates in original research in order to enhance their theoretical, experimental, and creative abilities through hands-on laboratory experience, as well as other transformational learning experiences such as internships, attending and presenting at

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regional and national meetings and workshops. In designing our lecture and laboratory courses we strive to engage our students and to help them develop critical thinking, problem solving, and teamwork skills. Our faculty engage in self-reflection to ensure that the department achieves its goals effectively.

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Degrees Offered

Undergraduate degrees:

The Department of Chemistry offers four Bachelor of Science degrees in Chemistry with four tracks: traditional Chemistry, Pre-Medical Professions, Materials Chemistry, and Biochemistry.

In conjunction with the College of Education and Human Services, B.A.E. and M.A.E. degrees with majors in chemistry, general sciences are also available.

Graduate degrees:

Advanced degrees in Chemistry such as a Master's of Science or a Doctor of Philosophy are not offered at present. In conjunction with Physics and Engineering, Chemistry is happy to be offering the Master's program in Materials Science and Engineering set to begin in Fall 2021.

Accreditation

All of the tracks for the Bachelor of Science degree in Chemistry are certified by the American Chemical Society.

The Program

Chemistry is a central science that deals with the study of the properties and behavior of matter. Knowledge of chemistry has always been fundamental to the investigation of the physical world. It serves as a bridge between biological sciences, physics and mathematics.

In recent years, the traditional specialties of Analytical, Organic, Inorganic, Physical, and Biochemistry have become increasingly interconnected, creating new and exciting interdisciplinary concentrations in areas like bio-organic, bio-inorganic, bio-analytical, bio-physical, and materials chemistry. The ever-increasing use of complex technologies and processes employed in modern medicine,

agriculture, defense, manufacturing, and other industries is a clear indication that the demand for individuals with a chemistry background will continue to increase in the future. An array of analytical and spectroscopic instrumentation is available for laboratory instruction and research. Students in the chemistry program are encouraged to gain research experience by working in the laboratory of a faculty member of their choice. Diverse projects in synthetic and mechanistic organic chemistry, natural products, bioorganic chemistry, materials and solid state inorganic chemistry, environmental and analytical chemistry, and computational physical chemistry are currently available for undergraduate research. By a judicious choice of courses, students in research programs can obtain credit toward graduation. Qualified students engaging in undergraduate research during the summer and/or academic year could receive financial support from their faculty research advisor or via competitive university fellowship awards or other scholarships. Several tuition scholarships are also available on a competitive basis.

Department of Chemistry Faculty

Bryan Knuckley, Associate Professor and Chair

Melissa P. Bush, Associate Laboratory Lecturer

Corey P. Causey, Associate Professor

Stuart J. Chalk, Professor

Matthew Dickman, Laboratory Lecturer

Hank Eng, Laboratory Lecturer

Brynna Jones, Assistant Professor

Kenneth K. Laali, Professor

Amy L. Lane, Associate Professor

Joseph Langat, Laboratory Lecturer

Michael W. Lufaso, Associate Professor

Hannah R. Malcolm, Assistant Professor

Joshua J. Melko, Associate Professor

Barnali Mondal, Laboratory Lecturer

Naveen Mukhtar, Laboratory Lecturer

Thomas J. Mullen, Associate Professor

Eirin McBride Sullivan, Assistant Professor

Frederick J. Troendle, Associate Laboratory Lecturer



[About Communication program](#)

[Communication Faculty](#)

School of Communication

Location: Building 14D, Room 2002

Phone: (904) 620-2651

Web Address: <http://www.unf.edu/coas/communication/>

Dr. John H. Parmelee, Director

Director's e-mail: jparme@unf.edu

Mission

The School of Communication's mission is to create and disseminate knowledge about human and mass-mediated communication processes through high-quality teaching, research, and service to the community.

Bachelor of Science in Communication

The undergraduate Bachelor of Science in Communication major is primarily concerned with professional applications of communication in traditional and emerging media, strategic communication (advertising and public relations), and organizations. Within this context the mission of the School of Communication is to discover, integrate, and disseminate applied and theoretical knowledge about human and mediated communication processes and effects as they relate to individuals, groups, and society.

We are committed to high quality teaching that prepares students for lifelong learning and professional careers in communication; scholarship that advances knowledge of communication and enhances the reputation of the university, and service to the

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university, academic and professional communities, and to northeast Florida. To achieve our mission, students engage in learning activities inside and outside the classroom, such as participating in media internships and community-based learning, producing news programs, and creating advertising and public relations campaigns for clients.

Bachelor of Arts in Communication Studies

The Bachelor of Arts program in Communication Studies is dedicated to providing students with learning experiences to enable them to understand communication and its practice in a variety of relationships. Our mission is to deliver learning opportunities of the highest quality that investigate the processes of human communication so our students become skilled researchers, writers, speakers, listeners, critical thinkers, problem-solvers, and leaders in the field of Communication Studies.

We are committed to providing a faculty engaged in the research and teaching of communication theory and practice that examine the creation, transmission, and analysis of verbal, nonverbal and interpersonal messages as they occur within and among individuals, groups, organizations, and cultures.

To achieve our mission learners will engage in experiences within and beyond the classroom that promote theoretical understanding and professional/personal practice of ethical human communication in the areas including but not limited to rhetoric, persuasion, political, health, interpersonal, organizational, and intercultural communication.

Undergraduate Major Degree Programs

The School of Communication offers the Bachelor of Science degree in Communication. The B.S. in Communication is accredited by the Accrediting Council on Education in Journalism and Mass Communications. Our majors select one of four professionally oriented concentrations:

- Advertising
- Digital Video Production
- Multimedia Journalism
- Public Relations

The B.S. in Communication prepares students for mass media jobs in journalism, advertising, public relations, and production.

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The school also offers a Bachelor of Arts degree in Communication Studies. The B.A. in Communication Studies focuses on interpersonal, mediated, and organizational communication. The B.A. in Communication Studies prepares students for positions in the public, private, nonprofit, and governmental sectors in which critical thinking, research methods and effective communication skills are required.

Undergraduate Minor Degree Programs

The school offers three minor programs:

- Communication Studies
- Mass Communication
- Political Campaigning and Advocacy

Graduate Program

The School of Communication also offers a Master of Science degree in Communication Management.

Students learn about ethical and legal issues in business and communication, metrics, media management and strategy. Graduates can apply the degree to jobs within public relations firms, advertising agencies, news outlets, production companies, healthcare companies, government agencies and corporate communication departments. The 36-credit degree is an innovative collaboration in which the School of Communication provides the core courses, while students customize their degree by choosing from one of five outside concentrations: Business, Leadership, Nonprofit Management, Public Management, and Public Health. Additional information about this program can be found on the [School of Communication's Graduate Program](#) website.

Transformational Learning

UNF Communication students engage in community-based learning in all of our concentrations. Multimedia Journalism students research and write stories in the Florida Times-Union and contribute several types of content to the newspaper's Jacksonville.com web site. Also, Multimedia Journalism students produce "Inside Jacksonville," a news show, and other TV programming. Digital Video Production students make documentaries that are screened locally and internationally. Every semester Advertising and Public

Relations students create fully planned campaigns for First Coast area non-profit organizations. In addition, during every term nearly 100 Communication majors complete professional internships.

School of Communication Faculty

John H. Parmelee, Professor & Director

Christa L. Arnold, Associate Professor

Berrin A. Beasley, Professor

Tricia Booker, Visiting Instructor

Dee A. Colvin-Ott, Associate Instructor

David J. Deeley, Instructor

Roberta R. Doggett, Associate Instructor

Frank Goodin, Instructor

Christine K. Holland, Associate Instructor

Junga Kim, Associate Professor

Marcia J. Ladendorff, Associate Instructor

Chunsik Lee, Associate Professor

Samuel C. Mathies, Instructor

Traci M. Mathies, Instructor

Diane L. Matuschka, Instructor

Stephanie McClain-Araujo, Visiting Instructor

Carolynn A. McMahan, Associate Professor

Siho Nam, Associate Professor

Jae H. Park, Associate Professor

Stephynie C. Perkins, Associate Professor

Natalia Roman, Associate Professor

Margaret Stewart, Associate Professor

Brian Thornton, Professor



[About Criminology and Criminal Justice programs](#)

[Criminology and Criminal Justice Faculty](#)

Department of Criminology and Criminal Justice

Location: Building 51, Room 2310

Phone: (904) 620-1724

Web Address: <http://www.unf.edu/coas/ccj/>

Dr. Brenda Vose, Chair

Mission

The Department of Criminology & Criminal Justice offers a variety of programs in the social sciences. The Department offers a Bachelor of Arts degree in Criminal Justice and offers a minor in Criminal Justice as well. The Department also offers a Master of Science degree program in Criminal Justice.

The Department of Criminology & Criminal Justice seeks to provide its students with the theoretical, practical and ethical foundations for understanding crime and the criminal justice system in its social context. The faculty is committed to excellence through the development of focused and relevant scholarship. Through excellence in research and teaching in the areas of law creation, crime, deviance and societal responses to law violation, students develop a greater understanding of the challenges of social control and its dynamic processes. Participation in research and internships assures relevance to current practice and further prepares students to apply their knowledge in the field, to conduct critical analyses, and to undertake policy development and implementation. Students at the graduate level receive advanced instruction in research methods

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and theory, helping students develop professional skills for direct employment or more advanced study. Rigorous commitment to peer-review and collegiality help assure that an ethic of continuous-improvement and self-reflection govern all departmental processes.

Criminology & Criminal Justice Major

The undergraduate degree program in Criminology & Criminal Justice is broad-based in nature, stressing the interrelationships between the various components of the criminal justice system — police, courts, corrections — and familiarizing students with each of these components and their theoretical bases. The program also recognizes and builds upon the interdisciplinary nature of the field it seeks to address. Criminal justice draws together all the social and behavioral sciences, the natural sciences, the mathematical and computer sciences, and law and jurisprudence to focus on the problem of crime in society. Indeed, accreditation guidelines for post-secondary criminal justice education programs clearly specify that the curricula “must give explicit recognition to the multi-disciplinary character of the field.” The UNF program is designed to comply with that standard.

There are no specific Criminology & Criminal Justice prerequisites at the lower level, although STA 2014 (Elementary Statistics) is a prerequisite to CCJ 3700 (Research Methods in Criminology & Criminal Justice), and CCJ 2002 (Crime in America) is recommended as a preparatory course for the major.

Graduate Program

Criminology & Criminal Justice education is one of the most rapidly growing fields in higher education today. Public concerns about crime, and the dramatic expansion of the criminal justice system in recent decades, have spurred a proliferation of courses in this field in colleges across the country. Jobs that did not exist two decades ago — such as victim advocates or police computer mapping specialists — continue to develop. There is a growing demand for persons with graduate level education in all sectors of the system. The Master of Science in Criminal Justice at UNF provides an opportunity for advanced academic work in this expanding field of study.

As an interdisciplinary field, Criminology & Criminal Justice draws together all the social and behavioral sciences, natural sciences, mathematical and computer sciences, history, law and jurisprudence

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to focus on the problem of crime in society. The MSCJ program at UNF is vitally concerned with the interrelationship between theory, practice and research. The program emphasizes the acquisition of professional skills that will enable students to keep abreast of new research and developments in the field long after they have completed their formal studies.

Department of Criminology & Criminal Justice Faculty

Brenda Vose, Associate Professor and Chair

Samantha Brown, Assistant Professor

Michael Cherbonneau, Associate Professor

John Dean, Instructor

Michael Hallett, Professor

Kristina Lopez-Smith, Assistant Professor

Holly V. Miller, Professor

J. Mitchell Miller, Professor

Alicia H. Sitren, Associate Professor

Jennifer K. Wesely, Professor



Department of English

Location: Building 8, Room 2601

Phone: (904) 620-2273

Web Address: <http://www.unf.edu/coas/english>

Dr. Keith A. Cartwright, Chair

Mission

The Department's mission is grounded in the conviction that a knowledge of literature and language and a mastery of interpretive skills are absolutely integral to a liberal education. Based on that conviction, and consonant with the goals and mission of the University of North Florida and the College of Arts and Sciences, the Department of English strives to offer instruction of the highest quality in all areas of the curriculum within its purview. The Department's goal is to make a significant and indeed life-long contribution to the intellectual growth of each of its students. Further, the Department offers students the opportunity to acquire specific professional skills and to become generally proficient in the use and analysis of language. Such training is solid preparation for virtually any profession that involves communication.

Undergraduate Program

The Department of English at the University of North Florida offers courses in American, British, and world literatures, creative and professional writing, drama, film, and documentary production. The department offers the B.A. in English. The department also offers the following minors: African-American / African Diaspora Studies, Creative Writing, Film Studies, Literature, and Writing Studies.

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The Department of English offers a Master of Arts (M.A.) in English, a Concentration in Rhetoric and Composition, and an Accelerated B.A. to M.A. program. Graduate students can enjoy reading from a range of British, American, and world traditions, honing their critical reading and writing skills, and enjoying the pleasures of sophisticated literary discussion. In addition, students can take courses that ground them philosophically and pedagogically in the history of rhetoric, a sure way to deepen one's understanding of the practice of writing. Finally, students can enroll in graduate teaching practica, gaining experience by teaching others under the tutelage of an experienced professor. The M.A. in English offers a number of routes for preparing students for a diverse number of career fields. The program entails eleven courses (33 credit hours).

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Department of English Faculty

Keith A. Cartwright, Professor & Chair

Linda A. Howell, Assistant Professor & Director, Writing Program and Writing Center

David A. Mackinnon, Associate Instructor & Assistant Director, Writing Program and Writing Center

Betsy L. Nies, Associate Professor & Graduate Program Coordinator

Mark Ari, Assistant Professor

Mary K. Baron, Professor

James P. Beasley, Associate Professor

Mikayla L. Beaudrie, Instructor and Writing Center Consultant

Stephan A. Boka, Instructor

John M. Chapman, Associate Instructor

Fredrick F. Dale, Associate Instructor

Nicholas A. de Villiers, Professor

Timothy J. Donovan, Associate Professor

Ashley M. Faulkner, Instructor and Writing Center Consultant

Joseph W. Flowers, Senior Instructor

Dwight C. Gabbard, Professor

Laura Heffernan, Associate Professor

Tara A. Kelley, Instructor and Writing Center Consultant

Arthur S. Kimball, Professor

Kadesh Lauridsen, Instructor and Writing Center Consultant

Shane W. Leverette, Associate Professor

Jennifer L. Lieberman, Associate Professor

Clark D. Lunberry, Professor

Jason I. Mauro, Associate Professor

Brenda L. Maxey-Billings, Associate Instructor

Alexander Menocal, Associate Instructor

Donald Moore, Instructor and Writing Center Consultant

Marcus R. Pactor, Associate Instructor

William H.M. Pewitt, Instructor and Writing Center Consultant

Jillian L. Smith, Associate Professor

Jessica Stark, Instructor and Writing Center Consultant

Russell D. Turney, Associate Instructor

Bart H. Welling, Associate Professor

Michael G. Wiley, Professor

Jennie B. Ziegler, Associate Instructor and Writing Center
Consultant

Emeritus Faculty

Richard Bizot, Professor

Marnie Jones, Professor

William Slaughter, Professor

Allen Tilley, Professor



[About History programs](#)

[History Faculty](#)

Department of History

Location: Building 9, Room 2501

Phone: (904) 620-2880

Web Address: <http://www.unf.edu/coas/history>

Dr. David Sheffler, Chair

Mission

Our mission is to graduate a liberally educated person who can view the world with a historical perspective, appreciate the traditions of various cultures, understand the role of change and continuity, and have interests encompassing humanities, social sciences, fine arts, and natural sciences. The history graduate should leave UNF with the ability to evaluate the world critically and with an understanding that education is a never-ending process.

The Program

Our program emphasizes the study of and research in the field of History. The study of history involves an understanding and appreciation of our cultural heritage, whether ancient or modern, eastern or western, humanistic or technological. It seeks to appreciate the values of our global civilization in its many parts. The study of history also stresses the importance of the historical perspective for understanding contemporary social, political, technological, and economic problems.

History depends upon the skills of communication and critical thinking. Knowledge has limited value unless it can be conveyed by

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word or picture, sight or sound. Studying history enables students to develop their creative and analytical powers, to learn the methodology of the discipline, to apply insights from other fields of thought, and to develop an understanding of a particular historical era.

History as a discipline is also committed to the liberal arts as the basic core of human knowledge. It contributes to the development of the individual's intellectual skills in preparation for employment. In addition, it encourages the creative and flexible thinking necessary to live in tomorrow's world of continuing change. Finally, the study of history can motivate students to pursue independent learning after college. It is essential that students appreciate the certainty of continuing change, develop the intellectual skills to respond to that change, and maintain a value system which enable them to understand the world and involve themselves in it.

Graduate Degree Program

The Department of History offers a Master of Arts (M.A.) in History. Courses in United States, European, African, Asian, and Latin American History are offered to fulfill degree requirements. By the end of the first year, students choose between thesis or non-thesis options, both of which require a minimum of 36 credit hours to complete.

For admissions requirements, see [graduate school academics](#).

For questions regarding the application process or to begin an online application contact The Graduate School, (904) 620-1360.

For additional information or questions concerning the History Master's Degree, contact Chau Kelly, Graduate Coordinator.

Email address: chau.kelly@unf.edu. Telephone: 904-620-5234

The History Department also offers a limited number of Graduate Teaching Assistantships (GTAs). Students selected to serve as GTAs receive a substantial stipend plus a partial tuition waiver for up to two years. Graduate Teaching Assistants help out with history courses that typically have large enrollments. They facilitate discussions, grade course work, administer exams, meet with students, and engage in other instructional activities. They also assist in a variety of ways with Distance Learning courses. Get more information on [Graduate Teaching Assistantships and the application process](#).

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The Department of History also offers other opportunities for graduate students to gain instructional experience. Such opportunities include assisting with undergraduate research methods courses as a Supplemental Instructor and assisting with large distance learning courses as an online teaching Coach.

Scholarships are also available to graduate students through the Graduate School. For more information on scholarships, please see [Graduate School costs and funding website](#)

For information on Graduate Teaching Assistantships and other funding opportunities for graduate students, please contact Chau Kelly, Graduate Coordinator, at chau.kelly@unf.edu.

Undergraduate Degree Program

The requirements for a History major assure that graduates will develop both depth and breadth of knowledge of geographical regions of the world, time periods in history, and thematic approaches to understanding social, political, and economic changes in human societies. A degree in History prepares students for graduate or professional schools, as well as a wide variety of careers in museums, archives, law, teaching, parks, business, government, public service and others. History stresses learning how to read critically, write effectively, and develop diverse yet rigorous bodies of knowledge. History majors will learn skills that open up a world of career opportunities.

To ensure that this broad range of knowledge is obtained all History majors are required to take courses in:

- U.S. History
- European History
- Non-Western History
- Global History
- History Seminars

Each year, the Department of History offers two Travis Bates Memorial Scholarships to outstanding undergraduate History Majors. For more information on this scholarship, see: http://www.unf.edu/coas/history/Travis_Bates_Memorial_History_Scholarship.aspx

Undergraduate Minor Program

Minor in History

Students interested in history but majoring in another subject may get a minor in history.

The history minor provides students with an overall view about the people and events of the past. Students learn the various ways in which the past continues to shape the present.

The Program of Study for a minor in History is as follows:

Total of 15 credit hours

- No more than 3 semester hours, or 1 course carrying lower level numbers may be used in the history minor.
- A minimum of 12 hours, or 4 courses, must be upper level.
- A minimum of 6 semester hours, or 2 courses, must be taken at UNF.
- 9 semester hours may be transferred towards the minor.
- A grade of C or better is required for all minor courses.

Select 5 History courses (3000/4000 level) from classes bearing the following prefixes:

- EUH, ASN, AMH, AFH, ASH, LAH

For more information on minors in History, please contact Dr. David Sheffler at david.sheffler@unf.edu.

Minors in other Fields

Asian Studies

Asian Studies is an interdisciplinary program administered by the Department of History. It is designed to facilitate an academic concentration in South, Southeast or East Asian civilization.

The faculty in Asian studies includes professors of religion, literature, philosophy, history, sociology, political science, business and education. Together, they offer a broad range of courses conceived to provide students both with the opportunity to encounter Asia from the perspective of its inhabitants and to employ a comparative perspective on the Asian contribution to world civilization.

Students minoring in Asian Studies must have the approval of a member of the Asian Studies Faculty. For more information please contact Dr. N. Harry Rothschild at hrothsch@unf.edu.

Ancient Studies

The Ancient Studies minor is an interdisciplinary program administered by the Department of History. The minor enables students to fashion a course of study imparting a broad yet coherent understanding of the civilization of the ancient world.

The faculty in Ancient Studies includes professors of religion, literature, languages, philosophy, and history. Together, they offer a range of courses conceived to provide students with the opportunity to encounter the ancient world from a variety of perspectives.

For more information please contact Dr. Philip Kaplan at pkaplan@unf.edu for more information.

Honors in History

History majors at UNF may participate in an Honors Program at UNF. The program is available to students in history who are intellectually mature and who seek the challenge of doing a major research project under the supervision of a faculty mentor. This program is especially recommended to students who are considering graduate work in history or another discipline, such as law, which requires substantial research and writing.

Students interested in earning honors in history should contact the department chairperson at (904) 620-1856 or email at david.sheffler@unf.edu.

Internships, Community Based Transformational Learning, and Study Abroad

The History Department offers students several opportunities for internships, classes that include a community based transformational learning component, and study abroad.

- Internships include supervised, history-based work opportunities at local museums, parks, and environmental organizations.
- We occasionally offer classes that include a significant community based transformational learning opportunity.

- We also offer opportunities for our students to study abroad in Europe, Latin America and other parts of the world.

For information on all of these opportunities, please contact the Chair of the History Department, Dr. David Sheffler, at 904-620-1856 and/or david.sheffler@unf.edu.

Department of History Faculty

David L. Sheffler, Associate Professor and Chair

Felicia Bevel, Assistant Professor

Denise I. Bossy, Associate Professor

Alison J. Bruey, Professor

Charles E. Closmann, Associate Professor

Philip G. Kaplan, Associate Professor

Chau J. Kelly, Associate Professor

Christopher J. Rominger, Assistant Professor

N. Harry Rothschild, Professor

Interdisciplinary Opportunities at UNF

Education in the 21st century is changing. It is evolving by virtue of both new knowledge and entirely new fields of knowledge that require the capacity to solve complex problems by drawing on concepts, methods, and information from multiple disciplines. This increasingly interdisciplinary and multidisciplinary knowledge is widely recognized as essential to the new employment opportunities in the knowledge economy that is expanding worldwide. To help prepare students for these opportunities, the College of Arts and Sciences offers the following interdisciplinary options for majors and minors:

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[B.A. in International Studies](#)

[B.A. in Religious Studies](#)

Minors

[African Diaspora/African-American Studies](#)

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Interdisciplinary Majors

B.A. in Interdisciplinary Studies

Program Director: Dr. Sarah Mattice, Associate Professor of Philosophy, s.mattice@unf.edu, 904-620-1330

For more information, contact your current advisor or College of

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Interdisciplinary Studies provides students with the opportunity to design a personalized program of study that involves an intentional selection of coursework across multiple disciplines. As Interdisciplinary Studies Majors and Minors, students are able to craft a focused and purposeful inquiry into a particular set of issues, problems, challenges, or methodologies, and come to understand the approaches and concerns of multiple disciplines. This program, centered in the College of Arts and Sciences, enables students to reflect critically and creatively on themselves, their educations, and their futures, and how they can contribute to a better and more just society.

Admissions to the program is selective and requires prospective students to go through a proposal submission process in which they must outline in detail the purpose, scope, and theme of the major or minor they wish to construct. Proposal acceptance is contingent upon formal review and approval by the Program Director and/or additional faculty members and administrators as needed.

How to Apply: Contact your advisor to begin the application process.

Track 1 - Theme-Based Interdisciplinary Study (36 credits)

In consultation with the Program Director and Advisor, students will either design their own program or choose a faculty-designed curated theme for their program. Students who design their own programs will choose upper division courses that converge on a set of issues, problems, challenges, or questions related to their theme, culminating in a capstone experience such as faculty directed research, internships, study abroad, or other relevant experiences.

There are currently three faculty-designed curated paths in the IDS major: Environmental Studies, Africana Studies and Film.

The IDS major theme *Environmental Studies* is designed for students interested in the ways in which human beings and natural environments interact, with the aim of fostering creative problem-solving skills to develop and maintain more sustainable relationships between human beings and the natural world. This major theme

provides students with the tools and learning experiences necessary to address the unprecedented environmental challenges facing the world today, bringing together coursework from across the natural and social sciences, humanities, and the arts.

Faculty Coordinator: Dr. Charles Closmann, cclosman@unf.edu

The IDS major theme *Africana Studies* is designed for students interested in the study of the histories, politics, cultures, and experiences of peoples of African origin, in Africa and in the African diaspora, including especially the United States. This theme centers peoples of African descent in the program curriculum, bringing together disciplinary perspectives from sociology, race and critical theory, philosophy, art, history, women and gender studies, music, and political science.

Faculty Coordinator: Dr. Tru Leverette, tleveret@unf.edu

The IDS major themes in *Film* are designed for students interested in the analysis of film, the history of film, and the production of film. It is designed for students who want to write about film, think about film, make film and media, write screenplays, or make documentaries. The three curated paths for majors—Film, Film and Production, Film and Screenwriting—are crafted from the film program, creative writing, philosophy, history, photography, communications, digital humanities, and more.

Faculty Coordinator: Dr. Jillian Smith, jlsmith@unf.edu

All IDS majors must also complete the Foreign Language/Foreign Culture requirement.

B.A. in International Studies

Program Director: Dr. Clayton McCarl, Associate Professor of Spanish, clayton.mccarl@unf.edu

COAS Advisor: David Kersey, d.kersey@unf.edu

International Studies at UNF is an academic program and the center of an interdisciplinary community of faculty, students and staff from across the campus. Together we examine the economic, environmental, cultural, political and technological forces that shape

today's world. The program offers a Bachelor of Arts in International Studies, designed to provide students with the disciplinary knowledge and practical skills to engage with contemporary issues and compete in today's global workplace. Students interact with other cultures through foreign language study and academic experiences abroad, and gain hands-on experience through internships, both within the US and abroad. Students in International Studies tend to be open-minded, creative problem solvers, who are united by their interest in language, culture and global affairs. They are diverse, however, in their backgrounds and the academic and professional directions they follow upon completion. For more information, see [the website of the International Studies Program](#).

B.A. in Religious Studies

Program Director: Dr. Brandi Denison, Associate Professor of Religious Studies, b.denison@unf.edu

College of Arts and Sciences Advising: ASADV@unf.edu, 904-620-2797

Religious Studies is the multidisciplinary hub at UNF for discovering the roles and functions of religions in human life and culture.

Religious Studies students enjoy a low student/faculty ratio allowing them one-on-one attention from their professors. They investigate religion in ways that foster intellectual, civic, and global engagement; gain cross-cultural awareness by describing and analyzing religious systems as they exist in historical and social contexts in an impartial and academic manner; develop clear thinking and writing skills; and learn to see the world through the eyes of others.

The Bachelor of Arts in Religious Studies requires a total of 120 semester hours. Religious Studies majors take a total of 30 credit hours of coursework with 24 Religious Studies designated credit hours, from a variety of disciplines across the university, and chosen by the student to reflect his/her interests, culminating in Theory and Methods and a Senior Seminar Capstone course (3 credit hours each). Religious Studies majors are encouraged to participate in a study abroad experience.

Interdisciplinary Minors

African Diaspora/African American Studies (15 Hours). This cross-disciplinary program is designed to promote the academic study of, as well as a broad appreciation for, the diversity and richness of

peoples and cultures throughout the African Diaspora.

Multidisciplinary methods of inquiry and research give students a range of theoretical approaches to the central questions and concerns of Diaspora studies—including race, culture, identity, diversity, history, and society. Students examine these central concerns through regional, national, and global perspectives. Additionally, students have the opportunity to participate in community-based transformational learning in order to bridge theory and praxis.

Faculty Coordinator: Dr. Tru Leverette, Associate Professor of English, tleveret@unf.edu

Asian Studies (15 Hours). The Minor in Asian Studies at UNF is an interdisciplinary program that introduces students to the histories, cultures, and societies of Asia, broadly construed. In addition to the required course Introduction to Asia, students may take courses from across diverse methodological perspectives including history, film, philosophy, anthropology, religious studies, sociology, political science, Chinese language, literature, public health, psychology, and business. Students are encouraged to concentrate their courses either thematically or geographically, and should consult with their advisor or the International Center about relevant study abroad opportunities, as relevant courses taken on study abroad or exchange programs may, with approval from the Asian Studies program coordinator, be counted toward the minor.

Faculty Coordinator: Dr. Harry Rothschild, Professor of History, hrothsch@unf.edu

Ancient Studies (15 Hours). The Ancient Studies minor is a interdisciplinary program administered by the Department of History. The minor enables students to fashion a course of study imparting a broad yet coherent understanding of the ancient world. Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinator: Dr. Phil Kaplan of the Department of History, pkaplan@unf.edu

Digital Humanities (15 Hours). In the broader scholarly community, digital humanities refers to the field that popped up when scholars began using new digital tools to answer old humanities questions, or to use digital media to bring humanistic materials to broader public audiences. The interdisciplinary minor in Digital Humanities provides students at UNF with a foundation in technologies and methodologies used in digital scholarship, as well as in a variety of

professional fields. Students in this minor will acquire knowledge and skills that will prepare them for graduate coursework in traditional Humanities, Social Science and Fine Arts fields, as well as in specialized Digital Humanities or Information Science programs. The minor consists of four electives and one studio course, for a total of fifteen credit hours. It includes courses from Languages, Literatures & Cultures, Computer Science, Communications, Geography, and Software Engineering, as well as several courses in English and Film.

Faculty Coordinator: Dr. Laura Heffernan, Associate Professor of English, l.heffernan@unf.edu

Environmental Studies (15 Hours). This program focuses on understanding the nature and complexity of environmental issues in relation to a range of issues, including the carrying capacity of our planet, the idea of sustainability, the challenges of managing resources wisely, the meaning of environmental stewardship, and the urgency of promoting environmental literacy. Students will choose courses from two menus of courses: physical and natural Sciences and health, social sciences, and human services. Course options are offered from all five colleges.

Faculty Coordinator: Dr. Erin Largo-Wight, Environmental Center, largo.wight@unf.edu

Advising: BCH and Mr. James Taylor, Environmental Center, j.taylor@unf.edu

Film Studies (15 Hours). Learn the history, craft, and analysis of film, as well as the production skills that come with documentary film production. The 21st Century has witnessed the explosion of moving images into nearly every sphere of contemporary life, and advances in technology have made film/video/audio technology widely and easily available. Film functions as a unique art form, a social barometer, a cultural artifact, an historical record, a political argument, and an agent of change. It is complex in construction and function, and yet directly powerful in its effect. It is international and interdisciplinary. Film Studies thrives as a community where students come from varied perspectives and fields of study. The Film Studies Minor requires a film survey course and a course in either film analysis or critical reading, and includes electives in both film studies and production. Film studies courses are also available to students outside of the minor.

Faculty Coordinator: Dr. Jillian Smith, Associate Professor of

English, jlsmith@unf.edu

Gender Studies (15 Hours). The purpose of the Gender Studies minor is to provide interested students with an opportunity to focus a portion of their college studies on issues related to women's lives, culture and history; men's studies; and to the impact of gender on human experience and behavior across a variety of disciplines. In particular, the minor explores gender issues and experience and fosters educational equity. It provides an opportunity for faculty and students alike to explore women's changing social roles, experiences, problems, and contributions to society, which have often been omitted in the traditional academic disciplines. Also included in the gender studies minor is the growing new area of men's studies, which focus on men as a sex and how gender impacts men's lives. Courses in the Gender Studies minor investigate the full diversity of women's and men's experience and gender issues. The minor provides opportunities for true interdisciplinary learning, since the program requires students to take courses from across college and university offerings.

Faculty Coordinator: Dr. Jenni Lieberman, Assistant Professor of English, j.lieberman@unf.edu

Interdisciplinary Studies (15 Hours). In consultation with COAS advising and Program Director Dr. Mattice, students develop a 15-18 credit program of study organized around either a self-designed interdisciplinary theme or a faculty curated interdisciplinary theme.

There are currently three faculty-designed curated paths: Pre-Med in Liberal Arts, Peace Corps Academic Preparation, and Critical Thinking in the Humanities.

The IDS Minor "Pre-Med in Liberal Arts" is designed for students intending to pursue a career in the biomedical field. This 16 credit minor aims to complement students' study in the natural sciences with coursework in ethics, arts and humanities, and social science.

The IDS Minor "Peace Corps Academic Preparation" is designed for students pursuing the Peace Corps Preparation Program. This 18 credit minor brings together the academic portion of the program into a coherent minor, with coursework in intercultural competence and specific work sector areas.

The IDS Minor "Critical Thinking in the Humanities" is designed for students interested in intentionally focusing their minor on critical thinking skills from across the humanities, whether to gain depth for

a major in the humanities or to complement a science, arts, or other major. This 15 credit minor pulls together coursework from across humanities disciplines at UNF including philosophy, history, religious studies, literature, cultural studies, and the arts.

Faculty Coordinator: Dr. Sarah Mattice, Associate Professor of Philosophy, s.mattice@unf.edu

International Studies (15 Hours). This interdisciplinary minor enables undergraduate students to pursue a comparative study of foreign cultures, languages, and societies. Courses come from a wide range of Departments (including, but not limited to, Economics and Geography; History; Languages, Literatures and Cultures; Political Science and Public Administration; and Sociology, Anthropology and Social Work) and involve a range of research methods. Together these courses and their methodologies provide the framework for a better understanding of global affairs. For more information, see the website of the [International Studies Program](#).

Faculty Coordinator: Dr. Clayton McCarl, Associate Professor of Spanish, clayton.mccarl@unf.edu

Religious Studies (15 Hours). This interdisciplinary minor helps students explore religion from a variety of perspectives and disciplines; it offer students opportunities to explore a range of meaning-making systems—including the beliefs, practices, texts, history, and social-cultural functions that constitute these systems. In learning how seemingly foreign systems of meaning make sense to those who hold them, students are asked to make explicit their own assumptions about their religious beliefs, to look at their assumptions from the point of view of someone who does not share them, and thus to deepen their understanding of how their beliefs compare with the beliefs of others in relation to the course of human civilization. Students minoring in Religious Studies must take REL 2300 Comparative Religion, REL 3102 Religion as Culture, and any three upper level Religious Studies (REL) courses and/or courses offered by other departments and approved for this minor.

Faculty Coordinator: Dr. Brandi Denison, b.denison@unf.edu

Urban and Metropolitan Studies (15 Hours). The world is becoming increasingly urban, and most human beings now make their lives in cities. The Urban and Metropolitan Studies Minor allows students to study cities and urban life from a variety of perspectives, examining where and how cities form, the distinct kinds of problems faced by cities and urban residents, and how scholars are pursuing these

types of questions. Courses are drawn from anthropology, history, political science, sociology, and other fields.

Faculty Coordinator: Dr. David Jaffee, Professor of Sociology,
djaffee@unf.edu



[About Languages, Literatures & Cultures program](#)

[Languages, Literatures & Cultures Faculty](#)

Department of Languages, Literatures & Cultures

Location: Building 10, Room 2425

Phone: (904) 620-2282

Web Address: <http://www.unf.edu/coas/languages/>

Dr. Gregory Helmick, Chair

Mission

The mission of the Department of Languages, Literatures and Cultures is to promote academic excellence by providing UNF students with the opportunity to learn to communicate effectively in writing as well as orally in a language other than English. Additionally, the department fosters human understanding by exposing students to a multiplicity of textual constructs and by urging them to undertake cultural experiences that enhance their vision as global citizens. The Department's pedagogical focus is to underscore at all times the importance of language as a window to human understanding. The Languages, Literatures and Cultures faculty strives to instill in students the critical skills necessary to analyze a variety of texts—literary and otherwise—in their original language and social context, so that they may discern and appreciate cultural differences. Programmatic relevance is ensured by a shared teaching methodology that blends language instruction at its most practical level with academic approaches in the humanistic tradition, which assert the inherent value of multiculturalism. In order to ascertain success in its mission, the Department assesses its students yearly through instruments

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tailored to the program as well as to the desired learning outcomes. This commitment to rigorous assessment promotes self-reflection on the part of a committed faculty willing always to renovate and upgrade the language program for the benefit of UNF students as well as to address the needs of the community the university serves.

The Program

Learning another language is essential in today's global, multicultural society. The current nature of international business as well as increasing opportunities to travel or work abroad require the cultural awareness that only language knowledge provides. In addition, as the twenty-first century unfolds, the United States is increasingly becoming a more ethnically diverse nation that encompasses a multiplicity of cultures. The ability to communicate effectively in at least one other language and the willingness to open oneself to diversity by studying in depth the literary and cultural productions of others ensures success in such an evolving community of peoples.

The mission of the Department of Languages, Literatures and Cultures is to continue to expand the opportunities for UNF students to learn to speak a language fluently, to read it well and to converse and write with ease about the literature and culture associated with it. Therefore, the department offers Bachelor of Arts degrees in both French Studies and Spanish, as well as minors in French, Spanish and Chinese. First and second year courses in German language are also offered regularly.

Pursuant to its mission, the Department of Languages, Literatures and Cultures encourages students to study abroad by working in conjunction with the UNF International Center. The department sponsors summer programs in Spain, France, China and Colombia, and anticipates developing new programs in the Spanish-speaking and French-speaking Caribbean. Students seeking a longer experience abroad may work with the UNF International Center to arrange for an approved, independent study abroad experience at any number of different academic institutions throughout the world. The department maintains a state-of-the-art computerized language lab that provides a variety of software programs. UNF students use the facility to practice and to engage in self-immersion activities.

Majors and Minors

The Department of Languages, Literatures and Cultures offers

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Bachelor of Arts degrees in French & Francophone Studies and Spanish; Honors in the Spanish Major; a Certificate in Spanish for the Professions; and minors in French, Spanish and Chinese.

French & Francophone Studies and Spanish majors must complete 30 credit hours of instruction above the intermediate level (FRE 2240-2241; SPN 2200-2201) with grades of “C” or above. All language majors must earn a university-approved minor in a secondary field of studies. They also have to fulfill general education requirements stipulated by the institution as well as the College of Arts and Sciences graduation requirements. The minimum total hours required for all four-year degrees is 120 credit hours.

Study Abroad

Pursuant to its mission, the Department of Languages, Literatures and Cultures encourages students to study abroad by working in conjunction with the UNF International Center. The department sponsors summer programs in Spain, France, China and Colombia, and anticipates developing new programs in the Spanish-speaking and French-speaking Caribbean.

Language Laboratory

The department maintains a state-of-the-art language lab dedicated to the creation and testing of immersive digital technologies and to developing immersive, in-person ‘analogue’ opportunities to experiment, build knowledge, and reinforce proficiency in other languages.

Department of Languages, Literatures & Cultures Faculty

Gregory G. Helmick, Associate Professor of Spanish and Chair

Johana L. Barerro, Instructor of Spanish

Ángeles Fernández Cifuentes, Associate Professor of Spanish

Patricia A. Geesey, Professor of French

Nuria Ibáñez Quintana, Associate Professor of Spanish

Marie Larose, Assistant Professor of French and Africana Studies

Constanza M. López, Associate Professor of Spanish

Clayton L. McCarl, Associate Professor of Spanish and Digital Humanities

Shirley Wright, Instructor of Spanish

Yongan Wu, Associate Professor of Chinese

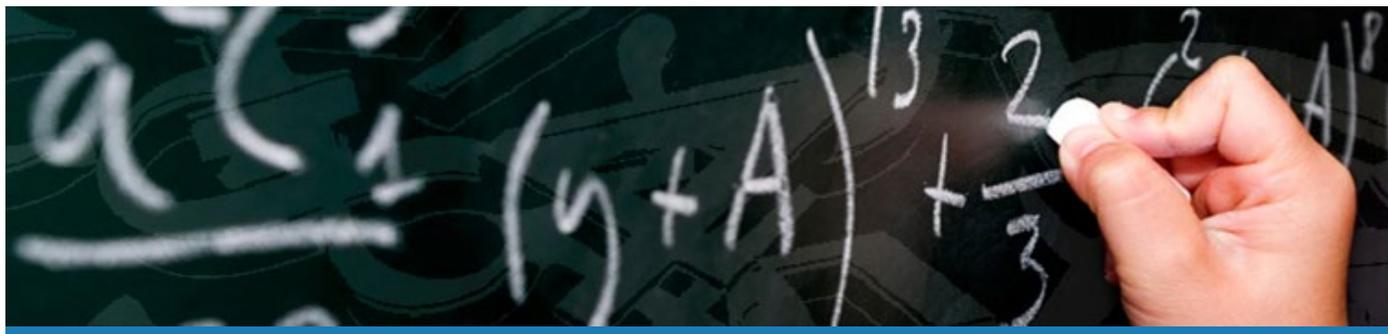
Emeritus Faculty

Jorge M. Febles, Professor of Spanish

Shira I. Schwam-Baird, Professor of French

Renee S. Scott, Professor of Spanish

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[About Mathematics and Statistics program](#)

[Mathematics and Statistics Faculty](#)

Department of Mathematics and Statistics

Location: Building 14, Room 2731

Phone: (904) 620-2653

Web Address: www.unf.edu/coas/math-stat/

Dr. Richard Patterson, Chair

Mission

The mission of the Department of Mathematics and Statistics is to provide an excellent education for students in mathematics and statistics, to focus scholarly efforts on expanding our knowledge of those two disciplines, and to participate in activities that promote mathematics and statistics in relevant ways. Our programs are designed to provide majors and graduate students with the background necessary to pursue quantitative careers in mathematics or statistics as well as the background to pursue more advanced degrees. We also strive to provide students in General Education mathematics courses with substantive skills in quantitative and abstract reasoning and in the use of mathematics and statistics as computational and analytical tools.

Our courses are designed to educate in an appealing and thought-provoking manner. We strive to instill our students with an appreciation for the power of mathematics and statistics as well as a desire to be lifelong learners. Department faculty are encouraged to engage in research projects that either yield new results in their areas of expertise or that apply to problems of interest to scholars in

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other disciplines. Department faculty are also encouraged to be involved in meaningful professional service to the university and the disciplines regionally, nationally, and internationally. In addition, all of our endeavors are subject to self-reflection in an effort to maximize their effectiveness.

The Program

Mathematics & Statistics provide powerful tools for a constantly expanding variety of problems. There is hardly a field to which these intrinsically related sciences have not been applied, often providing capabilities that would have seemed fantastic only a few years ago. The Department of Mathematics & Statistics provides the student with an integrated approach to these areas and, at the same time, permits pursuit of a bachelor's degree with concentration in either of the two disciplines. It is recommended that prospective mathematics and statistics majors elect strong science options in their freshman and sophomore years.

General Information

The student must select either the mathematics or statistics program. All mathematics and statistics majors must have a minor. Bachelor of Science students must select their minors from the approved list (see right menu for approved list). A grade of "C" or better in all prerequisite, major and minor courses is required for graduation. All majors must fulfill the University's general education requirements and the College of Arts and Sciences graduation requirements. The minimum total hours required for all four-year degrees is 120 credit hours.

Honors in Mathematics and Statistics

A student may apply for honors in the major after completing at least Calculus I, Calculus II, Calculus III, and two other mathematics or statistics courses (that count toward the major) at the 3000-level or above. An overall GPA of at least 3.25 for courses at or above the level of Calculus I is required. Once accepted into the program, a student will work with a faculty member to select courses and to complete an honors project. Please see department chair for details.

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Faculty

Richard F. Patterson, Professor & Chair

Faiz B. Al-Rubae, Associate Professor Emeritus

Beyza C. Aslan, Associate Professor

Denis R. Bell, Professor

Devrim Bilgili, Associate Professor

Adel N. Boules, Professor

Jenna Bradley, Instructor

Elena M. Buzaianu, Associate Professor

William H. Caldwell, Professor Emeritus

Hugh R. Cornell, Associate Instructor

Malgorzata M. Czerwinska, Associate Professor & Lower Program
Director

Michelle R. DeDeo, Associate Professor

Daniel L. Dreibelbis, Associate Professor & Undergraduate Program
Director

Alina R. Dumitru, Professor

Jose A. Franco, Assistant Chair

Daniela T. Genova, Professor

James Gleaton, Associate Professor

Tyler Grimes, Assistant Professor

Ty Hak, Instructor

Sami M. Hamid, Associate Professor

Jongsook Han, Associate Instructor

Fei Hen, Assistant Professor

Scott H. Hochwald, Associate Professor

Danielle Hoyt, Instructor

Yisu Jia, Assistant Professor

Jae-Ho Lee, Assistant Professor

Leonard J. Lipkin, Professor Emeritus

Ognjen B. Milatovic, Professor

Donna L. Mohr, Professor Emeritus

Mohammad M. Rahman, Associate Professor & Graduate Program
Director

Luminita Razaila, Associate Instructor

Paul W. Rowe, Associate Instructor

Ping Sa, Professor

Pali Sen, Professor Emeritus

Jaimee E. Stewart, Associate Instructor

Jingcheng Tong, Professor

Kening Wang, Associate Professor

William J. Wilson, Professor Emeritus

Peter S. Wludyka, Professor Emeritus

Mei-Qin Zhan, Professor

Qiang Zhen, Associate Professor

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[About Music Program](#)

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School of Music

Location: Building 45, Room 2004

Phone: (904) 620-2960

Web Address: <http://www.unf.edu/coas/music/>

Dr. Clarence Hines, Director

Mission

The University of North Florida (UNF) School of Music brings a focused commitment to excellence and the artistic and intellectual preparation of music students. It aims to provide a high level of professional musical training that is relevant to musicians pursuing musical careers in the 21st Century. The UNF School of Music faculty, excellent instructors evidenced by their innovative pedagogy, scholarship, and research in their respective fields, serve as artist-teachers working with students in large and small performing ensembles as well as through individual applied instruction. Our comprehensive program is complemented by the Ira M. Koger Eminent Scholar Chair in American Music that provides an additional focus on jazz. The School of Music continues to achieve national and international recognition as a distinguished comprehensive center for the study, creation, and research in music.

The School of Music provides music majors and non-music majors alike the opportunity to develop their knowledge, understanding, and ability in all aspects of music at a level relevant and appropriate to their needs and interests, and to prepare music majors for careers as performers, teachers, composers, arrangers, and professionals in

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the music industry and its supporting fields. Our students experience transformational learning opportunities through international study abroad programs, interaction with world class guest artists and community-based performance and pedagogical programs.

Our mission is to provide academically and artistically excellent training that prepares students for careers in music.

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The Undergraduate Program

The School of Music provides instruction leading to accredited Bachelor's degrees in Music Performance, Jazz Studies and Music Education. Coursework in music degree programs begins in the freshman year and culminates in the senior year with a final recital spanning the knowledge and skill gained throughout the program of study (See "[My Osprey Map](#)"). The School of Music offers limited access programs. Students who wish to pursue a degree in music must successfully pass a music audition for entrance into a music degree program and must maintain both the academic and musical performance standards to remain as a music major. This includes academic record, ensemble participation, and successful completion of semester performance jury examinations.

The Graduate Program

The School of Music offers [Master's Degrees](#) in Jazz Studies, Music Education, Performance, and Conducting. The Master of Music degrees are 36 hour credit hours with a two-year residency. These degrees provide students the opportunity to develop skills as performers and conductors while working with an internationally recognized faculty and excellent ensembles. The conducting program is well suited to students who have completed Bachelor's Degrees in Music Performance and Music Education. Classes are scheduled to allow music educators, and other music professionals in Northeast Florida to pursue the degree while maintaining full-time employment.

The Major

After auditioning and being accepted by the music faculty, the student must select a degree track as a music major. Offerings include a Bachelor of Music in Performance (with concentrations in Voice, Strings, Piano, Woodwinds, Brass and Percussion and Music Technology and Production), Bachelor of Music in Jazz Studies, and

Bachelor of Music Education. Each degree consists of a unique program of study that should be followed in order to complete sequential course offerings and to complete degree requirements. A music major receiving a “C” or below in applied music will be placed on probation and will be required to repeat the course. A music major receiving a “D” or below in a non-applied music course will be placed on probation and will be required to repeat the course. All music courses can only be repeated once while on probation. Should a student not make satisfactory progress in any music course after being placed on probation, the student will be expelled from the program. Conduct not deemed appropriate is also grounds for probation and dismissal. The probation period is one subsequent semester. All majors must fulfill the University’s general education requirements and the College of Arts and Sciences graduation requirements. The minimum total hours required for all four-year degrees is 120 credit hours.

Approved Minors in Music

At this time the School of Music does not offer a music minor, however, we offer certificates in Conducting, Choral Conducting, Music Performance, Music Technology and Production and Sacred Music. Interested students may also enroll in a variety of music courses for general education or elective credit. Music ensembles are also available for audition and enrollment in both the classical and jazz areas. For more ensemble information contact the School of Music at (904) 620-2961 or visit www.unf.edu/coas/music/.

Accreditation

University of North Florida is home to one of the most recognized performance-based music programs in the country. With an emphasis on American Music and comprised of dedicated faculty members who are recognized artist/practitioners in their fields, UNF’s School of Music offers a stimulating, yet personal atmosphere in which students can study and grow. The School of Music is a limited access and exclusively undergraduate program offering Bachelor of Music (B.M.) degrees in Performance with concentrations in Voice, Piano, Piano Pedagogy, Woodwinds, Brass, Percussion, and Strings as well as a B.M. in Jazz Studies. UNF also offers a Bachelor of Music Education degree. Since its beginnings in 1972, the program’s limited access status has allowed for a more personal rapport between teacher and student while upholding the highest standards of musical excellence. The countless awards and endorsements that the School of Music has

received and continues to receive is testament to the caliber of the UNF School of Music as one of the very best anywhere. UNF's School of Music is a fully accredited member of the National Association of Schools of Music (NASM).

School of Music Faculty

Clarence Hines, Associate Professor & Director

Lynne Arriale, Professor

Erin K. Bennett, Associate Professor

Erin N. Bodnar, Assistant Professor

Michael A. Bovenzi, Associate Professor

James N. Curry, Professor

John Daugherty, Assistant Professor

Todd T. DelGiudice, Associate Professor

Marcus Dickman, Associate Professor

Stephen J. Gosden, Instructor

Daniel R. Gottlieb, Professor

Barry R. Greene, Professor

Timothy J. Groulx, Associate Professor

James C. Hall, Associate Professor

Dennis J. Marks, Associate Professor

Sarah C. Provost, Assistant Professor

James B. Scott, Associate Professor

Simon Shiao, Associate Professor

Sunshine Simmons, Associate Professor

Gary L. Smart, Professor

Cara S. Tasher, Professor

Randall C. Tinnin, Professor

Joshua D. Tomlinson, Instructor

Andrea Venet, Associate Professor



[About Philosophy and Religious Studies program](#)

[Philosophy and Religious Studies Faculty](#)

Department of Philosophy and Religious Studies

Location: Building 10, Room 2325

Phone: (904) 620-1330; Fax: (904) 620-1840

Web Address: <http://www.unf.edu/coas/philosophy/>

Mitchell R. Haney, Chair: mhaney@unf.edu

Mission

The *Philosophy Program* promotes academic excellence by providing the highest quality learning opportunities and by fostering the highest quality research and scholarship in philosophy. It is focused on equipping students with core knowledge and skills, while acquainting them with the range and diversity of traditions and orientations in philosophy. The program is committed to the relevance of its efforts, promoting meaningful institutional, professional, and community service, while emphasizing teaching and research attentive to the application of philosophical knowledge and skills. The philosophy program is dedicated to regular and ongoing scrutiny of all its efforts in teaching, research, and service. Informed by these commitments, the Department of Philosophy seeks to assist its multiple constituencies in appreciating the great intellectual conversations, in clarifying unexamined assumptions, in evaluating the ideas and norms that motivate intellectual inquiry, and in participating intelligently and responsibly in public debates.

Religious Studies is a multi-disciplinary effort to examine the phenomenon known as religion in an impartial, academic manner. Religious Studies scholars compare aspects of the variety of the

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world's religions, they ask philosophical questions about the nature of religion, and they explore the relationship between religions and the larger cultural context in which religions are found. Religious Studies teaches students to engage and understand world views different from their own. This not only broadens the students' perspectives, but it also provides skills useful in the global context in which we live. As an undergraduate minor, Religious Studies contributes to a student's grounding in the classical liberal arts. It focuses on clear thinking and writing, and it teaches students to ask insightful questions and see the world through the eyes of others.

The Department offers a Bachelor of Arts degree in philosophy as well as three Minors. In Religious Studies, it offers a Bachelors of Arts in Religious Studies and a Minor in Religious Studies. The Department is affiliated with the Florida Blue Center for Ethics at UNF.

B.A. in Philosophy

Students study the main developments and traditions in the history of philosophy; develop critical reasoning skills and facility with logical analysis; study modes of normative analysis in ethical inquiry and gain an ability to apply them to current social issues; learn to read complex prose systematically and critically, and learn to write and to speak in a reasoned, persuasive, and argumentatively effective manner.

Areas of faculty expertise include Ancient Greek philosophy, modern philosophy, classical German philosophy, comparative philosophy, ethics, applied ethics, biomedical ethics, business ethics, environmental philosophy, epistemology, logic, metaphysics, philosophy of language, philosophy of religion, philosophy of science, contemporary European philosophy, feminist philosophy, pragmatism, and social, political and legal philosophy.

The BA in philosophy requires 33 hours. Required courses include *PHI 3930 Philosophical Methods* and *PHI 2101 Introduction to Logic*. The remaining courses are organized under four topical domains including HISTORY (6 credits) Knowledge and Reality (3 credits), Value Theory (6 credits), Diverse Methods and Perspectives (3 credits). In addition, students can choose Free Major Electives (9 credits). Students can pick among a wide variety of courses under each heading, and the free electives can be chosen from any domain. The detailed lists are available and listed

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on the department webpage.

Introductory/General Education courses include: PHI 2010 Introduction to Philosophy, PHI 2630 Critical Thinking: Ethical Issues, PHI 2100 Critical Thinking: The Art of Reasoning, and PHI 2101 Introduction to Logic. PHI 2010 Introduction to Philosophy fulfills the Humanities requirement in Florida's General Education program. PHI 2630 Critical Thinking: Ethical Issues, and PHI 2100 Critical Thinking: The Art of Reasoning, fulfill the UNF General Education outcome in Critical Thinking. PHI 2101 Introduction to Logic fulfills a UNF General Education outcome in Reasoning and Analyzing Quantitatively. Students are encouraged to take these philosophy courses to advance their critical thinking skills. All courses are offered every term, including summer. Besides fostering students' critical thinking and writing skills, the courses also serve as background for more advanced and specialized courses in the BA in philosophy.

B.A. in Religious Studies

Students in religious studies will be introduced to a multidisciplinary field providing a solid grounding in the liberal arts. The academic study of religion will help students to understand cultures, worldviews, and values other than your own; to understand their own worldview and values better; and to understand key aspects of national and world history, issues and conflicts. Besides being a preparation for graduate school, it is also an excellent preparation for a variety of careers including law, medicine, business, journalism, education, and the ministry.

The BA in Religious Studies requires 30 credit hours. It is spread among four categories (foundations, methods, traditions, and topics) and a Senior Capstone Seminar. Religious Studies students are encouraged to participate in a study abroad experience. The cross-cultural, interdisciplinary major will be represented by core faculty in Religious Studies located in the Department of Philosophy and Religious Studies. In addition, it will draw on faculty and courses from across the university, with other core courses found with philosophy prefixes (PHI), anthropology prefixes (ANT), and sociology prefixes (SOC). Required courses include REL 2300 Comparative Religion, REL 3102 Religion as Culture, REL 3040 Intro to Religion, as well as the Capstone Seminar in Religious Studies.

The program in Religious Studies offers significant Cultural Diversity courses in UNF's General Education program, including REL 2300 Comparative Religion, as well as REL 3102 Religion as Culture.

Minors in Philosophy

The four Minors include a General Philosophy Minor, Law and Philosophy Minor, and Applied Ethics Minor. All require 15 hours. One 2000-level General Education philosophy course can be counted towards the Minor. Further information on the program, including current course offerings, can be obtained by consulting the [Department's website](#).

Minor in Religious Studies

The Minor in Religious Studies requires 15 hours, including two required courses, REL 2300 Comparative Religion and REL 3102 Religion as Culture, and any three upper level Religious Studies (REL) courses or approved electives with prefixes other than REL. Further information on the Religious Studies program, including current course offerings, can be obtained by consulting the [Department's website](#).

Honors in Philosophy Major

The program is available to students in philosophy who are intellectually mature and who seek the challenge of doing a major research project under the supervision of a faculty mentor. This program is especially recommended to students who are considering graduate work in philosophy or another discipline, such as law, which requires substantial research and writing. To earn honors in philosophy, students must fulfill the requirements for the major with a 3.5 GPA in their major courses, must satisfactorily complete an honors thesis under the direction of a faculty member, and defend the thesis before a three-member committee. Students who complete these requirements will have honors in philosophy noted on the transcript and diploma. For further information and applications, contact the department chairperson at (904) 620-1330.

Study Abroad/Community-Based Transformational Learning

The department is offering a diverse set of courses in UNF's Study Abroad program. The Department is the recipient of an Engaged Department Initiative for Community-Based Transformational

Learning. The study abroad courses as well as the outreach to the community are organic aspects of its course offerings. Further information concerning specific course offerings during the current academic year can be obtained by consulting the [Department's website](#). For future plans and projects, please contact the department chair.

Department of Philosophy and Religious Studies Faculty

Mitchell R. Haney, Associate Professor and Chair

Sarah LaChance Adams, Associate Professor

Andrew J. Buchwalter, Professor

Paul M. Carelli, Associate Professor

Aaron Creller, Assistant Professor

Brandi N. Denison, Associate Professor

David E. W. Fenner, Professor

Hans-Herbert Koegler, Professor

Julie J. Ingersoll, Professor

Jonathan D. Matheson, Professor

Sarah A. Mattice, Associate Professor



[About Physics programs](#)

[Physics Faculty](#)

Department of Physics

Location: Building, 50, Room 2600

Phone: (904) 620-2729

Fax: (904) 620-1989

Web Address: www.unf.edu/coas/physics

Dr. Greg Wurtz, Chair

Mission

The mission of the Department of Physics is to serve the people of the State of Florida and the nation by providing state-of-the-art educational experiences in physics, astronomy, earth and geological science, and advancing knowledge in physics through research, and service to the university, the community and our profession. As a primary constituent of a liberal arts education, we seek to foster an appreciation of the physical world and an understanding of the scientific method of inquiry. We aspire to install in our students the principles, motivations, comprehension, and vision to prepare them for careers in physics and related fields, for physics teaching careers, and for intellectual growth throughout their lives.

The Program

The [Department of Physics](#) offers the Bachelor of Science degree in physics with the following concentrations: [traditional physics](#), [astrophysics](#), engineering physics with [electrical](#) or [mechanical](#) engineering emphases, and [computing emphasis](#), physics: [materials science](#) and [premedical](#) physics for those students who desire to matriculate to a medical school or a

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graduate program in medical physics. A minor is also offered in [physics](#). Interested students may decide to major in physics while choosing the physics teaching option which combines the physics baccalaureate degree with an education minor. Some students may choose the traditional physics major along with a minor in business. The department offers honors-in-the physics major. The department encourages the more applied-oriented physics majors to take part in industrial internships. Other opportunities for our majors include a teaching apprenticeship program, and an exchange program at the University of Technology of Troyes, France.

The Department of Physics also participates in a [Masters of Science in Materials Science and Engineering](#). In this multidisciplinary graduate program, students study materials from their fundamental make-up and associated properties to their processing and integration in the design and development of new composite materials and devices. This degree is offered in partnership with the School of Engineering, the Department of Chemistry, and the Department of Biology.

The importance of physics in the intellectual and economic life of the 21st century is clear to thoughtful individuals. The increased use of complex technologies in nanoelectronics, environmental physics, optics, space and renewable energies, defense, health care, advanced manufacturing and other industries provides ample evidence that the value of understanding physics will continue to be important for individuals and society. Physics provides a strong foundation of skills which allows for our students to also enter professional and graduate studies both within and outside the physics discipline. The faculty members are committed to excellence in undergraduate instruction and have the two-fold objectives of teaching physics, astronomy, earth and geological sciences to students from all programs of the university while also educating competent baccalaureate physicists who engage in active and productive funded research on topics of current interest to society at large.

Students in the physics program always participate in the research of our faculty. Currently, physics students can participate in research on the experimental and theoretical properties of magnetic semiconductors, superconductors, magnetic materials, optical studies of correlated electron systems, graphene, carbon nanotubes, nanophotonic devices, non-linear optical and electrical transport properties of metamaterials, Dirac materials, nanomagnets, metallic, complex oxide, and semiconducting

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nanostructures, theoretical astrophysics of black holes and dark matter, experimental astrophysical studies of cosmic rays, and physics history. The department has an extraordinary array of major research instruments for a comprehensive university of UNF's size: two atomic force microscopes, femtosecond pulsed laser, scanning electron microscope-EDAX and Ebeam lithography, photolithography instrument, Raman spectrometer, SQUID magnetometer, physical properties measurement system, and thermal and electron vacuum deposition systems for thin films. In addition, the department is one of only a handful of primarily undergraduate universities in the nation that has a Helium liquefier facility and a dual chamber molecular beam epitaxy (MBE) system used for the fabrication of complex oxide multilayer films. The department also has a multi-node computer cluster facility for intensive numerical simulations.

Many physics students receive financial support from faculty research grants (e.g. National Science Foundation, Research Corporation, and NASA), and university grants and scholarships to support their research activities under the mentorship of the faculty. Students are often times employed by the university and department as tutors and graders. The department supports students via scholarships (e.g., Hercules and Shacter). Two active student clubs are on campus that our majors often join: the Society of Physics Students and the Astronomy Club.

Many of the physics graduates at UNF over the past decade have continued their studies in graduate or professional schools around the nation and the world.

Department of Physics Faculty

Tenure-Track

Paula Mariel Coelho Neto, Assistant Professor (Ph. D. University of South Florida, Experimental Condensed Matter Physics)

Lev V. Gasparov, Terry Presidential Professor & Associate Dean (Ph. D. Institute for Solid State Physics, Experimental Condensed Matter Physics)

Jason Haraldsen, Associate Professor (Ph. D. University of Tennessee, Theoretical Condensed Matter Physics)

John William Hewitt, Assistant Professor (Ph. D. Northwestern University, Experimental Astrophysics)

Chris Kelso, Associate Professor (Ph. D. University of Chicago, Theoretical Astrophysics)

Jane H. MacGibbon, Associate Professor (Ph. D. University of Cambridge, Theoretical Astrophysics)

Thomas M. Pekarek, Terry Presidential Professor (Ph. D. Purdue University, Experimental Condensed Matter Physics)

Daniel F. Santavicca, Associate Professor (Ph. D. Yale University, Experimental Condensed Matter Physics)

Maitri Warusawithana, Assistant Professor (Ph. D. University of Illinois, Experimental Condensed Matter Physics)

Gregory Wurtz, Associate Professor and Chairman (Ph. D. University of Technology of Compiegne-France, Experimental Condensed Matter Physics)

Lecturers

Lynn B. Albright, Associate Lecturer (Ph. D. University of California-Riverside, Geology)

Grace P. Bossé, Associate Instructor and Lab Manager (Ph. D. Johns Hopkins University, Experimental Condensed Matter Physics)

Michael Johnson, Lecturer (Ph. D. University of Wisconsin-Madison, Geoscience)

James L. Montgomery, Lecturer (M.S. University of Central Florida, Experimental Optics)

Nirmalkumar G. Patel, Associate Lecturer (Ph. D. Patel University, India, Experimental Condensed Matter Physics)

Emeritus Faculty

John E. Anderson, Associate Lecturer (Ph. D. Harvard University,
Experimental Biophysics)

James L. Garner, Professor (Ph. D. Ohio State University,
Theoretical Condensed Matter Physics)

Dennis Gay, Associate Professor (Ph. D. Florida State University,
Experimental Nuclear Physics)

Jay Huebner, Professor (Ph. D. University of California-Riverside,
Experimental Condensed Matter Physics)

Staff

Lorraine Morgan, Office Manager



[About Political Science and Public Administration programs](#)
[Political Science and Public Administration Faculty](#)

Department of Political Science and Public Administration

Location: Building 51, Room 2407

Phone: (904) 620-2997

Web Address: www.unf.edu/coas/pspa

Dr. Nicholas Seabrook, Chair

Mission

The mission of the Department of Political Science and Public Administration is to serve the State of Florida through excellent educational opportunities involving outstanding teaching, quality research, and effective civic engagement. The department focuses its resources to provide both undergraduate and graduate students with the knowledge, skills, and abilities for understanding, participating in, and managing the institutions, processes, and behaviors characteristic of national and international politics and public affairs. With excellent instruction as the highest priority, the department also supports extensive interaction with external constituencies through local, regional, state, and national professional service, and applied and theoretical research. The department is dedicated to maintaining program effectiveness for both students and community partners through continuous self-assessment and improvement.

The Program

The Department of Political Science and Public Administration offers a bachelor's degree program in political science, a graduate

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certificate in nonprofit management, and Master's degrees in Public Administration (MPA), and International Affairs (MAIA).

The department offers minors in political science, public administration and political communication and advocacy (In conjunction with the Department of Communication). These minors may be taken with a student's major program; students should consult with their advisor on procedures for declaring a minor. The public administration minor is a fast track minor that allows an undergraduate to gain admission to our Masters of Public Administration upon successful completion of the minor and graduation.

Bachelor of Arts in Political Science

Political Science, the study of politics, is concerned with understanding political phenomena and developing citizens who are aware of their political rights and responsibilities. The political science major at UNF has three broad objectives. The first is to convey to student's knowledge about the subfields within the discipline, with an emphasis on American government and politics, comparative politics, international relations and public administration. The second is to provide students with the skills needed for active and effective participation in the democratic process.

The final objective is to prepare students for careers associated with politics. The political science major provides an excellent background for admission to law school, and is a solid foundation for graduate work in political science, public administration and urban planning. Majors also find exciting work in campaign and legislative politics. In addition to preparing students for graduate work, the conceptual and methodological skills developed in the major equip students for employment by local, state and national organizations, corporations and nonprofit groups located in the U.S. and foreign countries, international organizations such as the United Nations, the print and electronic media, and secondary education.

UNF offers an undergraduate major in political science culminating in the Bachelor of Arts degree. Two minors, political science and public administration are available within the department. Our third minor, political communication and advocacy is offered in conjunction with the School of Communication. Majors must have a grade of "C" or better in each core course, and a minimum GPA of 2.0 in major elective courses.

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Political Science majors choose one of five concentrations to organize their major elective credits. The concentrations allow students to focus on one of the subfields of political science (American Politics, International Relations/Comparative Politics, Public Administration and Public Policy, and Public Law) or to choose General Political Science. Once students choose their concentration, they choose four courses from the list of electives within each concentration. Those students choosing the General Political Science concentration may choose electives from a comprehensive list of courses including all those available under the other concentrations. The remaining electives may be selected from any concentration or any other approved political science course except the foreign culture courses.

Fast Track Options

Students in the UNF undergraduate Political Science Major, as well as other UNF majors, may apply for admission to the undergraduate Public Administration Fast Track minor. Admitted students take 12 credits of MPA classes which count both toward the undergraduate Political Science major, and toward the 42 credit MPA program.

Undergraduate Fast Track requirements are that a student: (1) must declare a Public Administration Fast Track minor prior to their senior year; (2) must have an overall GPA of 3.0 or higher in the last 60 hours of undergraduate course work; (3) must make a grade of at least B or higher in PAD 4003 (taken as part of the Fast Track minor core requirements); (4) must have a B average or above for the four courses required in the Fast Track minor. All sections of these conditions must be met in full.

If the undergraduate requirements stated above are met, Fast Track students may continue into the MPA program provided they apply for the program and meet the minimum Graduate Record Exam (GRE) requirements of the program for unconditional admission. Please see the MPA Director for further information on the Fast Track option.

Graduate Programs

The Master of Public Administration

The Master of Public Administration

The Masters of Public Administration program at the University of North Florida is committed to providing graduate professional education in northeast Florida, in the administration and management of public and nonprofit agencies.

In the fulfillment of this mission, the program focuses on six key competencies: the ability

- to lead and manage in public governance;
- to participate in and contribute to the policy process;
- to analyze, synthesize, think critically, solve problems and make decisions;
- to articulate and apply a public service perspective;
- to communicate and interact productively with a diverse and changing workforce and citizenry; and
- to understand local governance in a global context.

The M.P.A. curriculum is intended to enrich student understanding of the complex arrangements that constitute modern governance, and to enable students to develop the skills and attitudes that contribute to effective program administration. For the student who already possesses significant government or not-for-profit experience, the program provides opportunities to gain new skills and to develop an enlarged perspective on public sector management. The department now has three in-house concentrations: Local Government Policy and Administration, Nonprofit Management, and Public Policy. A Health Administration concentration can also be taken through the Brooks College of Health. The program has a combination of late afternoon classes and online/hybrid classes.

Accreditation

The M.P.A. program has been accredited by the National Association of Schools of Public Affairs and Administration since 1999. The program has just completed the process for accreditation through 2027.

The Master of Arts in International Affairs Program

The mission of the MAIA is to educate students about our world today, our country's interactions with other countries, and individual awareness of the many ways we interact with other countries, cultures, and peoples at home or abroad. More specifically, the program concentrates on educating our students about: the global context for US domestic and foreign policy making; contemporary global issues; the US role in the world and other countries' reactions to that role; globalization and the global economy; and the cultures and societies of other countries. Each of these goals fits with expectations of potential employers. A report by the Association of American Colleges and Universities noted the following knowledge and skills were desired by employers: the ability to understand the global context of situations and decisions, knowledge of global issues and development and their implications for the future, understanding of the role of the United States in the world, understandings of cultural diversity in America and other countries, and proficiency in a foreign language.

The Master of Arts in International Affairs (MAIA) is an interdisciplinary degree offered jointly by eight departments across two colleges. The Departments of Political Science and Public Administration; Economics and Geography; History; and Sociology, Anthropology and Social Work offer the common core courses; the Departments of Economics and Geography; English; History; Languages, Literatures, and Cultures; Philosophy and Religious Studies; Political Science; Public Health; and Sociology, Anthropology and Social Work will contribute elective courses.

The MAIA program consists of a minimum of 36 credit hours, 15 of which are earned through an interdisciplinary common core of required courses: International Relations Theory, Public Administration Research Methods, Globalization and Development, International Economics, and US in World Affairs. Eighteen (18) credit hours are major electives. The final 3 credit hours are earned through a thesis or non-thesis option, the latter of which would involve an internship or study abroad component. Students will have to demonstrate intermediate-level foreign language proficiency either upon admission or graduation.

The MAIA is meant to prepare our graduates for a variety of careers that demand knowledge of and engagement with the wider world. Examples include: the US government (Foreign Service, and other State Department positions, Homeland Security, Immigration and

Customs, etc.), intergovernmental organizations such as the UN and international nongovernmental organizations such as Human Rights Watch or International Crisis Group; international and development consulting; international business; and education. Locally, employment opportunities exist with banks, educational institutions, international moving and logistics companies, law enforcement, non-profit organizations, refugee assistance programs and other internationally-focused entities in the Northeast Florida region.

Department of Political Science & Public Administration Faculty

Nicholas Seabrook, Professor & Chair

Michael M. Binder, Professor

Mary O. Borg, Professor and Internship Coordinator

Gaylord G. Candler, Professor and MPA Director

Natasha V. Christie, Associate Professor

Georgette E. Dumont, Associate Professor

Sean Freeder, Assistant Professor

Josh Gellers, Associate Professor and MAIA Director

Adrienne Lerner, Instructor and Pre-Law Director

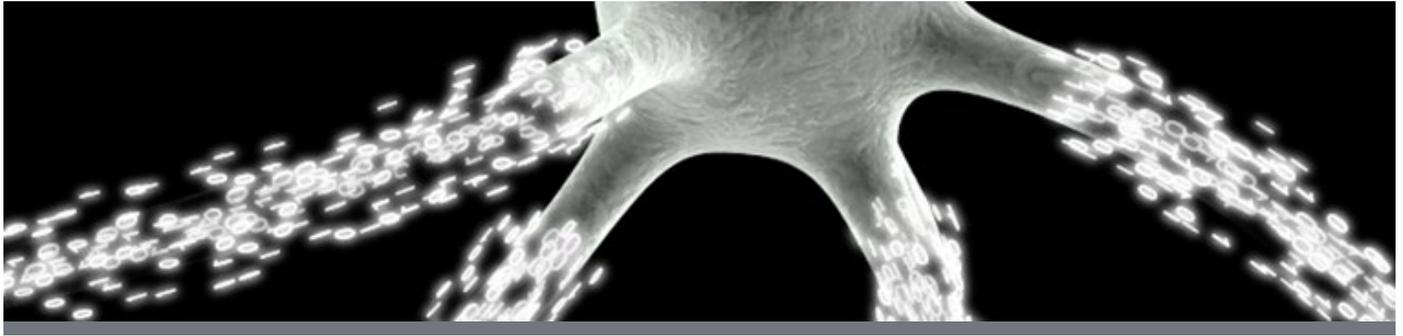
Emily Maiden, Assistant Professor

Enrijeta Shino, Assistant Professor

Nancy E. Soderberg, Faculty Administrator

Pamela A. Zeiser, Associate Professor

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[About Psychology programs](#)

[Psychology Faculty](#)

Department of Psychology

Location: Building 51, Room 3404

Phone: (904) 620-2807

Web Address: <http://www.unf.edu/coas/psychology/>

Dr. Lori Lange, Associate Professor & Chair

Mission

The mission of the Department of Psychology is to offer the highest quality academic experiences at the undergraduate and graduate levels through excellence in teaching, scholarship, and service to the professional and local communities. A major focus of the Department is to work toward equipping students with the critical skills and knowledge necessary for continued occupational, educational, and personal advancement in Psychology and related disciplines. In addition the Department strives to foster program relevance by creating an environment in which students are encouraged to assess their values and apply their knowledge to their increasingly complex world and thus promote the recognition of the importance of their roles in society as members of a vital citizenry.

The Program

Psychology is the scientific study of human and animal behavior. The Department of Psychology offers undergraduate (BA & BS) and graduate (MS) degree programs in psychology, and a BS program in behavioral neuroscience. Our full-time faculty are active researchers and offer opportunities for students to collaborate on research

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projects. UNF psychology faculty are highly qualified, caring and accessible individuals who are excellent teachers and researchers, committed to continued scholarship and service to the profession and to the local community.

Psychology at UNF offers many unique and engaging opportunities beyond the typical classroom setting, such as practicum, study abroad, research, student groups, and community-based learning. These distinctive experiences provide avenues for students to apply what they have learned and to broaden their knowledge, practical skills, and connections. Students in our program gain knowledge and skills that make them highly desirable candidates for employment in a wide variety of careers. Many opportunities exist for students to develop highly transferable skills in scientific research and statistics, critical thinking, problem solving, technical writing, teamwork, oral communication, and interpersonal skills and understanding.

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Undergraduate Programs

Bachelor of Science and Bachelor of Arts in Psychology

Psychology at UNF offers a substantive and dynamic curriculum where students have the option to earn a Bachelor of Arts or Bachelor of Science degree. All programs share a common core of courses in research methodology, scientific inquiry, and professional development. Students can focus their studies on children and adolescents in the Child Psychology Concentration.

For admission to the degree program, students must earn at least a C in introductory psychology, in elementary statistics, and in general biology. Psychology majors must earn at least a C in courses applied to the degree.

Psychology minors complete 18 credit hours in psychology. No more than 50% of courses required for the minor may be transferred from another institution. A grade of at least C is required for all minor courses, including prerequisites.

Bachelor of Science in Behavioral Neuroscience

Behavioral Neuroscience is offered as a major (BS) for students

interested in studying the biological basis of human behavior. The interdisciplinary curriculum requires 39 credit hours and focuses on the brain circuitry and other biological factors underlying normal and abnormal human development, cognition, perception, social interaction, mental health, and drug use.

Students gain a broad understanding of biological and psychological principles and techniques, and acquire laboratory, research, technological and other practical skills required for further study and career opportunities in related fields. Specifically, students are trained in a variety of behavioral, cellular and molecular, neuroanatomical, and neurobiological techniques necessary to approach questions of interest using animal and human model systems.

Pursuing studies in Behavioral Neuroscience prepares students for a variety of careers and areas of continued education, including medicine, pharmacology, bioengineering, health bioinformatics, government service (e.g., NIH, CDC), marketing, physical therapy, artificial intelligence, science journalism, and research & development.

Graduate Program

The Masters of Science in the Psychological Sciences is a research-based program designed to equip students with critical skills and knowledge necessary for continued occupational and educational advancement in the psychological sciences.

Students demonstrate knowledge, critical thinking, and scientific competency skills by completing a research-based thesis that contributes to the discipline of psychology. Students are paired with a faculty advisor based on faculty research interests and expertise. This mentor oversees the thesis process across four courses (Supervised Research, Thesis A, B, and C).

Our program is tailored to help students build their skill-set and resume for applied careers and to make students more competitive for PhD programs.

Professional development is encouraged and fostered through such activities as scholarship, research conference presentations, teaching, departmental colloquia participation, and community engagement.

For additional queries, please contact Program Director [Dr. Jody](#)

Honors in Psychology

Outstanding undergraduate psychology majors can graduate with the designation "Honors in Psychology." To do this, they apply for admission to the Psychology Honors Program. Candidates should apply at least two semesters prior to graduation.

Admission to the program requires:

- Junior or senior standing and completion of at least three UNF psychology courses with a psychology GPA of at least 3.67 and no grade less than B
- A Department of Psychology faculty member to supervise the Honors Project.

Successful completion of the program also requires:

- Completion of 6 credit hours of PSY4904 Honors Research with a grade of B or better
- Deposit of an approved thesis in the Thomas G. Carpenter Library

As they plan for the "Honors in Psychology" designation, students should consult the Psychology Department Chair as soon as possible.

Research Opportunities

Involvement in research is an important part of the psychology major experience at UNF. Many opportunities exist for students to engage in behavioral science research while receiving excellent mentoring from faculty who care very much about their students.

Students can become involved in our research in two ways:

- As a participant in an experiment. Students sign up for a study in [SONA](#).
- As a member of a professor's research team

Learn more about becoming a participant and about our faculty's research teams by visiting the [COAS: Psychology Research webpage](#).

Community Connections

It is common for psychology students to work with community organizations through volunteerism, practicum experiences, and research. This provides great opportunities to engage in transformational experiences and to develop meaningful professional direction for life after graduation. We have many community partners that provide excellent networking and professional opportunities for students. As an Engaged Department, many of our courses include community-based learning. Practicum is required in the Child Concentration and is recommended for all psychology majors. Students interested in practicum should contact [Dr. Paul Argott](#).

Academic and experiential opportunities through study abroad can foster international understanding in order to promote competent participation in the global community, and are especially in the development of important skills for the 21st century.

The UNF Department of Psychology has a student exchange relationship with the Psychology Division at Abertay University in Dundee, Scotland. Psychology students at UNF can apply for a semester study abroad at Abertay University in their junior or senior year. Faculty in the Psychology Department have led study abroad courses to China, Japan, and Jamaica.

Department of Psychology Faculty

Lori J. Lange, Associate Professor & Chair

Tracy P. Alloway, Professor

Paul Argott, Instructor

Elizabeth Brown, Associate Professor

Lisa Byrge, Assistant Professor

Sara Davis, Assistant Professor

Anita Fuglestad, Instructor

Paul Fuglestad, Associate Professor

Christoph D. Guess, Professor

Katherine Hooper, Instructor

Iver H. Iversen, Professor Emeritus

Jurek Karylowski, Professor Emeritus

Gregory Kohn, Assistant Professor

Juliana Leding, Professor

Christopher T. Leone, Professor Emeritus

Angela Mann, Associate Professor

Rebecca A. Marcon, Professor Emeritus
Jody S. Nicholson, Associate Professor
Susan M. Perez, Associate Professor
Curtis Phills, Associate Professor
Dan Richard, Associate Professor
Michael Togli, Professor Emeritus
Heather B. Truelove, Associate Professor
Susana Urbina, Professor Emeritus
Dong-Yuan Wang, Professor
Dawn Witherspoon, Assistant Professor
Gabriel J. Ybarra, Associate Professor



[About Sociology, Anthropology, and Social Work programs](#)

[Sociology, Anthropology, and Social Work Faculty](#)

Department of Sociology, Anthropology, and Social Work

Location: Building 51, Room 2304

Phone: (904) 620-2850

Web Address: <http://www.unf.edu/coas/sasw/>

Jennifer Spaulding-Givens, Chair

Mission

The Department of Sociology, Anthropology, and Social Work seeks to provide greater understanding of human behavior with a focus on its social and cultural contexts, both locally and globally. We strive to accomplish this through our commitment to excellence in undergraduate education and scholarly research and the development of practical and applied skills in which our students and faculty draw upon their knowledge to critically analyze and serve diverse populations and communities. The Department is committed to the focused use of available resources and to a process of continual self-reflection and improvement.

Department Accreditation Status

The Department of Sociology, Anthropology, and Social Work's Bachelor of Social Work (BSW) and Master of Social Work (MSW) programs are accredited by the Council on Social Work Education (CSWE).

The Program

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The Department of Sociology, Anthropology, and Social Work includes faculty and degree programs in three disciplines: Sociology, Anthropology, and Social Work. All share a common focus on human behavior, though their specific emphases differ.

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies, and how people navigate and interact within these contexts. As a social science, sociology employs a rigorous methodology that includes both quantitative and qualitative data analysis. Central areas of sociological inquiry include social class, race and ethnicity, gender, religion, urban life, work and organizations, social welfare, family, politics, and international development. UNF's Sociology faculty have expertise across these areas and maintain active research agendas. They bring knowledge and passion into the classroom, and many of our faculty have involved students in research projects.

Anthropology is the systematic study of humanity from a holistic, cross-cultural, and historical perspective. It draws insights from a variety of disciplinary lenses, including the social sciences, the humanities, and the biological sciences. The goal of anthropological research is a deep and rich understanding of who we are as humans, how we have changed, and why we are as we are. UNF's Anthropology program provides rigorous training in sociocultural anthropology, linguistic anthropology, archaeology, and physical anthropology. In addition, students learn to apply their anthropological knowledge to real-world human problems at the local or international level. The UNF Anthropology faculty represent the diversity of discipline and are active in publishing and presenting their research.

Social workers routinely provide services in the areas of child welfare, housing assistance, disaster relief, mental health, substance abuse, crisis intervention, vocational training, hospice and palliative care, juvenile justice and corrections, and victim advocacy. UNF's Social Work program provides generalist and advanced generalist training in the theory and practice of social work with diverse individuals, groups, families and communities. The program includes a substantial field education component, placing students in local agencies like those where they would work as professionals. UNF's Social Work faculty have extensive academic training as well as practical experience in the field.

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Undergraduate Major Degree Programs

The Department offers BA degrees in Sociology and in Anthropology, and a BSW in Social Work. All majors must fulfill the University's general education requirements and the College of Arts and Sciences graduation requirements. The minimum total hours required for all four-year degrees is 120 credit hours.

Bachelor of Arts in Sociology (BA): The BA in Sociology (33 hours) provides students with a comprehensive understanding of the sociological perspective based on the systematic study of the interrelationship between the individual and larger social structural forces and institutions. The undergraduate curriculum is organized to cultivate the theoretical, methodological, empirical, and critical thinking skills -- central to both sociology and a broader liberal arts education. The BA in Sociology requires a minor.

Bachelor of Arts in Anthropology (BA): The Bachelor of Arts in Anthropology (36 credit hours) is grounded in the discipline's four fields: archaeology, sociocultural anthropology, linguistic anthropology, and physical anthropology. Students take a core course in each of these areas, as well as courses in the theories, methods, and traditions of the discipline. Elective courses provide insights into the cultures and regions about which faculty have specialized knowledge (for instance, Southeast Asia or the Southeastern U.S.), or into specific topics of interest to Anthropologists (such as religion or globalization). Many students complement their coursework with applied research experiences in Department's labs or the Archaeological Field School. Prerequisites include six hours of lower-level courses in Anthropology. The BA in Anthropology requires a minor.

Bachelor of Social Work (BSW): The Bachelor of Social Work degree is a 54-credit hour program designed to develop students' knowledge of social work and their skills in social work practice. The BSW program of study includes required courses in social work theory and practice, as well as courses in social diversity and electives that enhance students' knowledge of specific client populations and practice contexts. In their second year, all students will complete a two-semester supervised internship at an approved field site. The BSW is a limited-access program, admitting students in fall semester only. Full-time and part-time programs of study are available. Prospective students should consult [the catalog's limited](#)

[access webpage](#) for current application information and deadlines. BSW students are not required to complete a minor.

Undergraduate Minor Degree Programs

In addition to our BA and BSW programs, the Department offers minors in Sociology, Anthropology, Social Welfare, and Urban and Metropolitan Studies. All of the Department's minors are 15 credit hours (some have additional prerequisite requirements).

Sociology Minor: The Sociology Minor facilitates a basic understanding of the field through a required course in sociological theory and a choice of four additional upper-level electives.

Anthropology: The Anthropology Minor allows students to choose from a range of courses across this diverse field.

Social Welfare: The Social Welfare Minor requires courses in social welfare, human services and social diversity; electives further prepare students for work with a variety of client populations.

Urban and Metropolitan Studies: This interdisciplinary minor allows students to examine cities, urban regions and urban issues from a variety of perspectives including Sociology, Anthropology, Economics, Political Science, History and others.

Honors in the Major

Outstanding and highly motivated Sociology and Anthropology majors may apply for Honors in the Major. Students who successfully complete the requirements of the program will have "Honors in Sociology" or "Honors in Anthropology" appear on their transcript. Application should be made at least two semesters prior to graduation. Sociology students seeking Honors in the Major must have a 3.5 GPA in the major and complete an honors project under the supervision of a faculty member. For Honors in Anthropology, students must meet a minimum cumulative GPA requirement of 3.5, demonstrate proficiency at the intermediate level (four semesters) in a language other than English, and complete a thesis project with faculty supervision. For complete information on Honors in the Major and application materials, please contact the Department of Sociology, Anthropology, and Social Work.

Graduate Degree Program

Master of Social Work (MSW): The University of North Florida (UNF) Master of Social Work (MSW) program fosters a commitment to creating social change through a holistic practice of social work that emphasizes the attainment of biopsychosocial-economic and spiritual wellbeing, especially among people who experience systematic marginalization and oppression. Through an educational experience founded on critical thinking, research, service, and social justice and enriched through diverse community partnerships, the program prepares professional advanced generalist social workers for multi-method clinical and administrative practice with individuals, families, groups, organizations, and communities.

Study Abroad/CBTL/TLO Programming

The Department of Sociology, Anthropology, and Social Work has a strong record of providing students with learning opportunities outside the classroom. These include faculty-led study abroad trips, the Archaeological Field School, undergraduate research opportunities, internship opportunities, and community-based learning. Faculty in both Sociology and Anthropology have led students on study abroad trips (to Spain and to Iceland, most recently), and the Social Work faculty look forward to including study abroad opportunities in the BSW program. The Anthropology program offers an Archaeological Field School each summer that allows students to examine native Floridian and early European sites near the UNF campus. Students who have conducted research in the contexts of their courses, honor projects, field school or independent studies are invited to present posters or papers at the Department's annual Undergraduate Symposium. All BSW students are required to complete internships as part of their program of study, and students in the Anthropology and Sociology programs may complete a supervised internship as an elective. The Department has ongoing relationships with a number of local non-profit organizations and other agencies that welcome student interns. Finally, as a result of ongoing collaborative work with community organizations, the Department of Sociology, Anthropology, and Social Work was recognized by UNF as an Engaged Department in 2011. The Department offers a number of courses that provide opportunities for Community Based Transformational Learning.

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Department of Sociology, Anthropology, and

Social Work Faculty

Jennifer C. Spaulding-Givens, Associate Professor & Chair

Keith Ashley, Assistant Professor

Jennifer Barr, Instructor & BSW Program Director

Mandi N. Barringer, Assistant Professor

Paul G. Clark, Associate Professor

Cristy E. Cummings, Assistant Professor

Rosa De Jorio, Professor & Anthropology Program Coordinator

Johnathan Grant, Assistant Professor

David D. Jaffee, Professor & Sociology Program Coordinator

Ronald A. Lukens-Bull, Professor

Yolanda Machado-Escudero, Assistant Professor

Ross E. McDonough, Associate Instructor & BSW Field Director

Jacqueline Meier, Assistant Professor

Akanke Omorayo-Adenrele, Instructor & MSW Field Director

Anne E. Pfister, Associate Professor

Richard D. Phillips, Associate Professor

Gordon F. Rakita, Professor

Juan Salinas, Assistant Professor

Jenny M. Stuber, Professor

Jeffry A. Will, Professor



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The College of Computing, Engineering and Construction (CCEC) prepares students for professional responsibilities and creative achievement in the fields of Computer Science, Information Systems, Information Science, Information Technology, Electrical, Mechanical, and Civil Engineering and Construction Management.

Undergraduate Degree Programs

The College of Computing, Engineering and Construction offers:

- Bachelor of Science in Computer Science
- Bachelor of Science in Information Systems
- Bachelor of Science in Information Science
- Bachelor of Science in Information Technology
- Bachelor of Science in Computer and Information Sciences (concentration in Data Science)
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Building Construction

Graduate Degree Programs

Graduate degrees offered are:

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- Master of Science in Construction Management
- Master of Science in Electrical Engineering
- Master of Science in Civil Engineering
- Master of Science in Port and Coastal Engineering
- Master of Science in Materials Science and Engineering (joint with College of Arts and Sciences)
- Master of Science in Mechanical Engineering

Graduate Certificate Program

- Graduate Certificate in Healthcare Informatics in collaboration with Coggin College of Business and Brook's College of Health.

The College also collaborates with the Coggin College of Business to support an M.B.A. concentration in Construction Management. See Construction Management Advisor for details.

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Accreditation

The undergraduate computer science, information systems, information science, and information technology programs are accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>. The undergraduate electrical engineering, civil engineering, and mechanical engineering programs are accredited by the Engineering Accreditation Commission (EAC) of ABET, <http://www.abet.org>. The undergraduate construction management program is accredited by the American Council for Construction Education (ACCE).

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Mission

The mission of the College of Computing, Engineering, and Construction is to provide its students with the highest quality education and professional experiences, to achieve excellence in its teaching, scholarship and service, and to continually enhance its programs through interactions with professional constituents in the community.

Vision

The College of Computing, Engineering, and Construction aspires to be nationally known for its outstanding degree programs, scholarship and service and seeks to contribute significantly to the economic vitality of the Northeast Florida region, the State and the Nation.

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Values

The College seeks to develop students with the technical, communications, and leadership abilities needed to navigate the challenges of the new knowledge-based economy and build a successful and prosperous future while developing a sense of community responsibility and global awareness. The faculty, staff and administration are committed to acting with integrity and employing ethical behavior in all of our dealings. The College strives to provide education that prepares our students to make significant contributions to their chosen professions, the northeast Florida region and beyond in an environment where each student is respected, valued and engaged..

Transformational Learning Opportunities

Transformation Learning Opportunities (TLO) are available for a variety of enriching experiences while pursuing a degree at UNF, including but not limited to, directed independent research, cooperative experiences, study abroad opportunities, and internships. With prior approval, some of these may also be used for academic credit.

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Laboratory and Computing Facilities

www.unf.edu/ccec/facilities/

The general campus computing environment, including wireless Internet access, email systems, general purpose student computer labs, most technology-enhanced classrooms, and central business systems is maintained by UNF Information Technology Services.

Specialized and advanced computing, engineering, and construction management laboratories housed within the College extend general

campus computing services by adding advanced facilities supporting the wide range of research and instruction that characterizes the College's degree programs.

The School of Computing (SoC) advanced laboratories are configured specifically to support upper-level and graduate instruction and research in robotics, data analytics, software development, mobile computing, cybersecurity, and communications/networking, utilizing Windows, Linux, and Mac operating systems environments. Courses in the School of Engineering (SoE) are supported by specialized laboratories, which are equipped with advanced computer systems, manufacturing machines, engineering instrumentation, and specialized software. These laboratories provide flexible environments suited for class work, senior design, and research projects.

The Construction Management program uses computing and materials laboratories designed to support and enhance the curriculum, capstone projects, and construction materials research. As a result of a general donation from the W.W. Gay Company, the Construction Management Department has a state-of-the-art electrical/mechanical laboratory for their programs. The facility includes 6 electrical training modules, 6 plumbing modules, and 30 psychrometers. The facility allows the Construction students to experience first-hand installation and design of residential-scale electrical and plumbing systems. Commercial scale mechanical systems (HVAC) are included for student-demonstrations.

The computing environments maintained by the College make use of the University's high-speed data network and Florida Lambda Rail, a high-speed, low-latency research network connecting the State's universities and research institutions.

In addition to UNF laboratories, the college has partnered with Johnson and Johnson to establish a state-of-the-art 3D printing research and development laboratory that is available for classes and research projects.

Materials Science and Engineering Research Facility (MSERF):
MSERF is a multi-user research center in the College of Computing Engineering and Construction that is dedicated to materials property characterization. The electron microscopes and various other testing methods housed in MSERF support research efforts in materials science and manufacturing processes for faculty across the disciplines of engineering, physics, chemistry and biology. The state of the art facility is specially designed and built to provide

optimal equipment performance and resolution down to the nano-scale.

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Construction Management

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Skinner Jones Hall Building (Building 4)

Construction Management, Room 1202

Phone: (904) 620-2683

Fax:(904) 620-2573

Web address: www.unf.edu/ccec/construction/

Mission

The mission of the Department of Construction Management is to educate and develop construction professionals with a global perspective through a rigorous, relevant, and accredited degree program offered by faculty devoted to excellence in teaching, scholarly activities, service projects, community involvement and ethical standards. Students will experience an active working relationship with local industry and develop a global perspective through cooperative efforts and exchange programs with international universities and colleges in the framework of a culture of ethics, which are vital in the development of successful construction professionals and provides distinct characteristics for

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our graduates' pursuit of career development and professional opportunities.

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1. We believe that excellence in teaching, research, community service projects, and an active working relationship with our industry is essential to the development of successful construction professionals.
2. The Department recognizes cultural awareness and a global perspective through study abroad and believes that it is critical to the complete education of construction professionals.
3. The Faculty profess that effective construction education: a. Provides opportunities for transformational learning activities, such as internships, service learning, and robust engagement with our industry. b. Emphasizes career development and placement opportunities. c. Requires interaction between faculty, students, and industry inside and outside the classroom.

Program goals

1. The Department will develop a cooperative agreement with international universities serving our Construction Management graduates, and maintain a high quality Bachelor of Science program in Building Construction that will enable graduates to achieve their maximum potential in the building construction field.
2. The Department will broaden our graduates' horizons through local community based learning service projects and through international study abroad classes.
3. The Department will focus its resources on the continuing development of a construction management program of the highest quality in keeping with the needs of our dynamic industry.
4. The Department will offer degree programs that have relevance to the needs of the community in areas such as life-long learning, ethics, and professional development.
5. The Department will maintain an active presence through its partnerships in the northeast Florida community and surrounding region.
6. The Department will recruit and retain exceptional faculty and staff to ensure quality academic programs.

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Program Educational Objectives

The Construction Management program produces graduates who:

- Have the ability to understand and solve construction problems and think and reason logically to make sound economic decisions
- Have the ability to communicate clearly and concisely, both orally and in writing
- Know and uphold ethical standards of the industry
- Are prepared for successful entry into the construction industry

The program consists of management-oriented technical curricula built on a balanced program of studies drawn from building construction, computer concepts, management, and general education requirements.

A graduate of this program can expect to find employment in the residential, commercial, heavy civil, maritime or industrial construction industry. Typical employment positions include estimator, assistant project manager, assistant superintendent, field engineer, project manager or construction company manager.

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Accreditation

The Construction Management Program is accredited by the [American Council for Construction Education \(ACCE\)](#).

Admission

Minimum requirements for admission into the Building Construction Degree Program:

1. Admission to the University of North Florida.
2. Choose Building Construction as a Major.
3. Minimum of 2.0 GPA.
4. Out of state transfer students and students without a State of Florida A.A. degree may be required to take additional general education classes to fulfill UNF general education requirements.

Students will be admitted before all prerequisites have been completed. However, students must complete all lower-level prerequisites before any upper-level coursework may be attempted.* [\[Go to top\]](#)

**Students are allowed a one term exception to register for upper-level construction classes if registered for final prerequisite classes to fill up their schedule. All prerequisite classes must be completed in the exception term to continue taking upper-level construction courses.*

Academic Advising

The Construction Management Department provides individualized academic advisement to all its students. Students interested in the Construction Management major are required to meet with an academic advisor to:

1. Evaluate the student's course work to determine whether prerequisites for the major have been met and
2. Plan a program of study for the student to follow.

Students are encouraged to make an advising appointment as early as possible to develop their program of study. This will enable them to progress in an efficient manner toward the completion of a degree.

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Internship

All Construction Management students are required to take a 300hr one-semester internship. Students may elect to complete a second internship to replace one of the construction elective class requirements. Upon approval, students may elect to take an additional construction elective class to replace the internship requirement.

Construction Industry

The Construction Management (CM) academic program is supported by various construction companies including some of the following:

American Electrical Contractors, Archer Western Contractors, Ltd., Argos, Auld & White Contractors, LLC, Balfour Beatty, Barton

Malow, Batson Cook, Brasfield and Gorrie, Construction Specialties of North Florida, Danis Corporation, David Weekley Homes, Elkins Constructors, Favor-Gray, Haskell, Landsouth Construction, Marietta Sand Corporation, MasterCraft Builder Group, Miller Electric, Petticoat-Schmitt Civil Contractors, Scherer Construction, Stellar, Summit Contracting Group, Superior, Toll Brothers Tolunay-Wong Engineering, W.W. Gay.

Sponsored CM Scholarships

- American Concrete Institute Florida First Coast Chapter Scholarship (ACI)
- American Electrical Contracting Scholarship
- American Society of Highway Engineers (ASHE) Scholarship
- Construction Management Advisory Board Scholarship
- Design-Build Institute of America (DBIA) and American Society of Highway Engineers (ASHE) Scholarship
- Elkins Constructors, Inc. Endowed Scholarship
- Giordano Family Construction Scholarship
- The Haskell Company Scholarship
- Horesh Tiwari Scholarship
- JB Coxwell Construction Scholarship
- LandSouth Construction Scholarship
- Marietta Sand Corporation Scholarship
- Miller Electric Company Annual Scholarship
- Society of American Military Engineers (SAME) Scholarship
- Stellar Group Scholarship

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Graduation Requirements

The following are minimum requirements for the Bachelor of Science degree:

1. A minimum of 120 credit hours for the four-year program, which includes general education requirements plus the prerequisite and required courses;
2. Completion of the prerequisite and core requirements listed below with a grade of "C" or better in each course;
3. Satisfactory completion of the general education program, prerequisites; and
4. At least 30 upper-level credit hours in residence at UNF.
5. Completion of Minor in Business Administration included in the 120 credit degree program.

Students taking classes at other institutions during their graduation term may have their graduation delayed due to transcript timing issues.

All students prior to graduation must:

1. Complete a departmental exit survey.
2. Apply for graduation in MyWings before deadline.

[See website for graduation application deadlines](#)

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Construction Management Faculty

Mag Malek, Ph.D., Professor & Chair

Aiyin Jiang, Ph.D., Associate Professor

Vamsi Kalasapudi, Ph.D., Assistant Professor

Jonghoon Kim, Ph.D., Assistant Professor

Yunjeong Mo, Ph.D., Assistant Professor

Michele Lamarsh, Academic Advisor, Instructor

Lou Broder, Academic Advisor

April Flores, Office Manager

Department Location: Skinner Jones Hall Building (Bldg 4), Room 1202

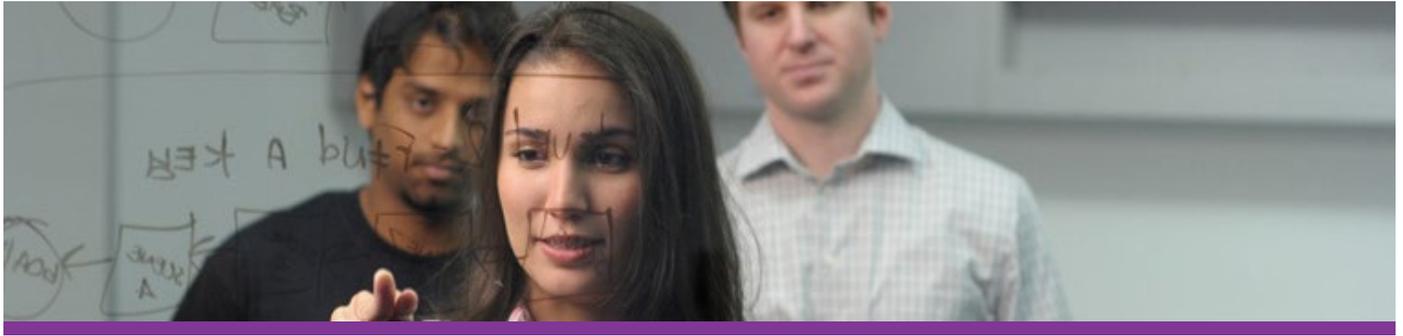
Department Phone: (904) 620-2683

Fax number: (904) 620-2573

Advising Office Location: Skinner Jones Hall Building (Bldg 4), Room 1207

Advising Phone: (904) 620-4256

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[Bachelor of Science in Computer Science](#)

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School of Computing

Director: Dr. Sherif Elfayoumy, Professor

John E. Mathews Jr Building,

Building 15, Room 3201

Phone: (904) 620-2985

Fax: (904) 620-2988

Web Address: www.unf.edu/ccec/computing/

Email: computing@unf.edu

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Vision

The School of Computing seeks to provide a nationally and internationally recognized center of learning in the computer and information sciences, focusing on application of state-of-the-art computer technology, and supporting regional aspirations to excel in computer-related enterprise. Led by its faculty, and represented by its students, the School seeks to provide an educational atmosphere both intellectual and practical, extending the frontiers of knowledge to the betterment of humankind.

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Mission

The School of Computing is dedicated to the promotion of an academically exciting and progressive intellectual climate, characterized by a superior program of instruction, peer-recognized scholarship, effective support services, and productive professional community involvement. In particular, the School is committed to offering undergraduate and graduate degree programs observing national standards, maintaining and expanding course offerings to keep pace with the rapid development of computer theory and computer technology. In recognition of its leadership position in the computer and information sciences, the School supports the need for instruction in computing as required by other University programs and advocates faculty participation in collaborative computer-related projects involving other professionals or colleagues. The vitality of the School is enhanced by encouraging ongoing faculty research and development, ultimately serving the instructional mission of the School and providing both Northeast Florida and the nation with a wellspring of knowledge and wisdom for the computer and information sciences.

Values

The School of Computing recognizes its responsibility towards establishing and supporting a strong ethical standard for both personal and societal use of computer technology, characterized by integrity and professionalism, without sacrificing openness and innovation. Given the School's role in the education of future leaders for the development of the computer-related applications, particular value is placed on providing an environment characterized by a strong sense of professional responsibility, understanding of the larger issues involved in making a functional society, sensitivity to the concerns deriving from ethnic or gender differences,

appreciation for the cultural contributions of others, and awareness of the potential effect of one's personal and professional conduct on others. The School seeks to provide a supportive, sensitive, academic environment wherein students, faculty, and staff alike feel both their individual and collective importance to the School.

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Academic Programs

The School of Computing has primary responsibility for all computing-related instruction at UNF at all levels. For undergraduate students, the school offers the Bachelor of Science degrees in Computer Science, Information Systems, Information Science, Information Technology and Computing and Information Science-Data Science, and a minor in Computing. For graduate students, the school offers a research-focused Master's of Science degree in Computing & Info Sciences with tracks in Computer Science, Cybersecurity, Data Science, and Information Systems. For all the graduate programs students can select between a Thesis option and a Non-Thesis option. With all our programs, we expect our students to improve their communication skills, effectively collaborate, and conduct themselves professionally.

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Computing Advisory Board (CAB)

This council is composed of approximately 25 Computing executives and professionals from the business community who meet on a regular basis to advise the director of the School on current industry trends in computing and information sciences.

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Student Organizations

Faculty from the School sponsor student organizations for the American Computing Machinery (ACM), Osprey Security (OSEC), Computer Society of the Institute of Electrical and Electronics Engineers (IEEE-CS), Society of Women Advancing Technology (SWAT), Artificial Intelligence Research Organization (AIRO), and the Upsilon Pi Epsilon (UPE) Honor Society in the Computing Sciences. These organizations provide students with important professional contact groups in Jacksonville and throughout the national computing community. See the [School of Computing](#) web pages for more information.

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School of Computing Faculty

Sanjay P. Ahuja, Ph.D., Professor

Asai Asaithambi, Ph.D., Professor & Graduate Program Director

Yap S. Chua, Ph.D., Professor Emeritus

Neal S. Coulter, Ph.D., Professor and Dean Emeritus

Mai Dahshan, Ph.D., Assistant Professor

Ayan Dutta, Ph.D., Assistant Professor

Roger E. Eggen, Ph.D., Professor Emeritus

Sherif Elfayoumy, Ph.D., Professor & School Director

Anirban Ghosh, Ph.D., Assistant Professor

Richa Jethwani, M.S., Instructor

Indika Kahanda, Ph.D., Assistant Professor

Upulee Kanewala, Ph.D., Assistant Professor

William Klostermeyer, Ph.D., Professor & Dean

James Littleton, M.S., Associate Instructor

Elise Marshall, M.S., Associate Instructor & Academic Advisor

Kenneth E. Martin, Ph.D., Professor & Founding Director Emeritus

Scott Piersall, M.S., Visiting Instructor

Zornitza G. Prodanoff, Ph.D., Professor

Sandeep Reddivari, Ph.D., Associate Professor

Robert F. Roggio, Ph.D., Professor Emeritus

Swapnoneel Roy, Ph.D., Associate Professor

Behrooz Seyed-Abbassi, Ph.D., Associate Professor Emeritus

Larry Snedden, M.S., Instructor & Academic Advisor

Judith L. Solano, Ph.D., Associate Professor & Director Emerita

Katarzyna Tarnowska, Ph.D., Assistant Professor

Karthikeyan Umapathy, Ph.D., Associate Professor

Iman Vakilinea, Ph.D., Assistant Professor

Charles N. Winton, Ph.D., Professor Emeritus

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Undergraduate Program Information

Undergraduate Academic Policies

The College of Computing, Engineering, and Construction adheres to all academic policies and regulations of the University. In addition, the School of Computing has policies which apply to all undergraduate students in the School of Computing.

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Individuals needing clarification of any of these policies, or an interpretation of how a policy might apply in a given situation, should contact the School office located in the Mathews Building, Building 15/Room 3201, call (904) 620-2985, or email computing@unf.edu.

Admission

Students seeking admission to the School of Computing must meet the general requirements of the University relative to admission. Students lacking any program prerequisites are encouraged to complete these courses as soon as possible to be on-track for a timely graduation.

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Admission With Less Than 2.0 Grade Point Average

Students who are admitted with less than the minimum 2.0 grade point average are placed on academic probation. Special conditions for admission are outlined by the Director of the School, and students must meet these conditions in order to continue their studies in the School of Computing.

Academic Advising

When a student is admitted to the School of Computing, an advisor will prepare a program of study outlining the program requirements.

Students considering majoring in a computing program are strongly encouraged to meet with a School advisor as early as possible. Advising appointments for development of a personalized program of study must be scheduled within the first semester of attaining sophomore status. Advising appointments are scheduled through visiting the School office located in the Mathews Building, Building 15/Room 3201, calling (904) 620-2985, or emailing computing@unf.edu.

Attendance Policy

The faculty of the School of Computing believe that students need to make their academic studies a priority during their enrollment in our programs. Due to the amount and complexity of the material, students should ensure their ability to attend the entire class period. Thus, we have developed the following attendance policy which may be used at the discretion of the course instructor:

- Students who miss more than 25% of scheduled class meetings, regardless of their grades, may be asked to withdraw from the course or given an "F" grade in the course.

Transfer Coursework

Students desiring to transfer upper-level course work to the School of Computing must have the work approved by an academic advisor. With approval, a maximum of 10 credit hours of upper-level transfer course work may be used in the student's program of study. Upper level course work completed more than five years prior to the beginning of continuous enrollment at UNF may not be applied toward the program unless validated. Continuous enrollment is defined as enrollment as a degree-seeking student and completion of one or more courses per term without a break of three

consecutive terms.

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Concurrent Coursework

Once a student is admitted to UNF, the student may not complete course work at another institution for transfer to UNF without a School advisor's approval and completion of a Concurrent Enrollment Form with proper authorizations prior to starting the transfer courses. It is expected that once a student enrolls in the College of Computing, Engineering and Construction, he/she will complete all prerequisite and major courses at UNF.

Concurrent enrollment at another college or university is not allowed during a student's graduating semester.

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Directed Independent Study

No more than six credit hours of directed independent study may be applied to a student's program of study. A maximum of three credit hours with the same Computing faculty member is allowed. All directed independent study proposals must be approved by the director of the School.

Experiential Learning (Co-op)

No more than six credit hours of experiential learning (co-op) credit may be applied to a student's program of study. All co-op proposals must be approved by the director of the School. No more than 3 credit hours of experiential studies may be used to satisfy major or minor electives.

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Satisfactory Progress Policy

The School of Computing enforces a "one repeat" rule for all prerequisite and core courses offered taught by the School for its major programs. Students who do not successfully complete a prerequisite or core requirement for a School of Computing course on the first attempt (i.e. earn a grade of D, F, W) will be granted one

chance to repeat the course. Students who do not successfully complete a prerequisite or core requirement within two attempts will not be permitted to register for courses offered by the School in future semesters. This stipulation applies whether or not the student has declared a major in a School of Computing program.

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Probation/Suspension Policy

An undergraduate student who fails to earn a cumulative or term GPA of 2.0 after attempting a cumulative total of 12 or more credit hours will be placed on academic probation. Academic probation is a warning. If both the term and cumulative GPA fall below 2.0 during the next term of enrollment, the student will be eligible for suspension. The School of Computing Suspension Review Committee (SRC) will determine the action to be taken in each case. If suspended, the student will be dropped from any courses currently registered and denied the opportunity to re-enroll. The duration of suspension varies in accordance with recommendations of the SRC. At a minimum, if suspended the student is not allowed to take coursework for one semester.

A suspended student who desires to be reinstated to the School must submit a Request for Reinstatement to the School of Computing. The request must be received at least two weeks prior to the University's admission deadline for the term the student intends to return. The Request for Reinstatement can be obtained from the School office or website. The SRC meets once a term to review requests. Recommendations of the SRC are submitted to the School director for final decision.

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Honors in Computing

The Honors Program at UNF is designed for the student who is intellectually mature and seeks the challenge of academic work different from the traditional course of study. It offers students a close collegial relationship with the University's top professors and with each other. There are two types of honors programs at the University of North Florida. The first is a lower-level program open to freshmen and sophomores offered by the Hicks Honors College. The second is the "Honors in the Major" program open to students in the School of Computing. A student does not

have to be in the lower level Hicks Honors College to enroll in the “Honors in Computing” program. The “Honors in Computing” program offers two tracks in Leadership and Research and special recognition on the student's transcript. The Leadership track requires a minimum of 90 leadership hours and the research track requires a minimum of 60 leadership hours and completing six credits of CIS4910 Computing Honors Research.

Admission is competitive and limited to students with a cumulative GPA of 3.2 or better. More information on additional admission requirements and procedures for applying to the program can be obtained from a School of Computing Academic Advisor.

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Accelerated Computing BS-MS Program

The School of Computing offers a unique opportunity for qualified students to seek both the bachelor and master's degrees in an accelerated program of study for all its programs (Computer Science, Information Systems, Information Science, Information Technology, and Data Science). Qualified students will be able to take six credits of graduate-level courses as part of their undergraduate studies, which will also apply toward their future graduate studies. Interested and qualified students must submit an application for the accelerated program to the School of Computing to the registration period of the term in which the student wishes to register for a graduate level course. It is highly recommended that students interested in the accelerated program meet with an advisor to learn how the program may affect financial aid and tuition rates.

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Computer Science Program, B.S.

The Computer Science Program is accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>.

This program is modeled according to the recommendations of the ACM (Association for Computing Machinery) and the IEEE-CS (Computer Society of the Institute for Electrical and Electronics

Engineers). It focuses on studying the theoretical foundations of the computing field and system-level programming. Students study the intricacies and design principals of sophisticated computing systems such as compilers, operating systems, algorithm analysis and design, and artificial intelligence. The Computer Science program has a significant component of math and science courses.

Graduates of the program will be prepared to create new technologies that apply to a wide variety of application areas. Systems engineer and systems programmer are typical titles for the first job of the program graduates.

The Computer Science [Academic Learning Compact](#) articulates the program's educational objectives and outcomes.

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Data Science Program, B.S.

The Data Science program has a primary emphasis on studying methods for managing and analyzing large datasets. It also has a significant component of math and science courses. With courses focused on statistics, database systems, algorithm design and analysis, and data analytics graduates of the program will be able to design, implement, and use methods for the discovery of patterns and prediction of future trends from datasets. Typical first job titles include data scientist, and data analyst.

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Information Systems Program, B.S.

The Information Systems Program is accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>.

This program follows the curriculum recommendations of the Association of Information Technology Professionals (AITP). The Information Systems Program combines computer course work with a complementary selection of business courses. The Information Systems Program is strongly recommended for those interested in business-oriented computer applications. The Business Administration minor is a required and integral component of the Information Systems Program.

Computer courses include systems analysis, systems implementation, computer communications, database processing, and other courses focused on implementation of computer solutions to business problems. Graduates will be prepared for careers as applications programmers, systems analysts, or information systems managers.

The Information Systems [Academic Learning Compact](#) articulates the program's educational objectives and outcomes.

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Information Science Program, B.S.

The Information Science Program is accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>.

This program is identical in computer course work to the Information Systems program; however, the student may select a minor from an area other than business administration. Depending upon the choice of a minor, graduates will be prepared for careers as systems programmers, applications programmers, systems analysts or other specialized computer-related professionals.

In addition to the computing course work, the Information Science Program requires studies in a minor area other than business administration. A minor consists of a planned selection of courses supportive of the major. Minors are described in the UNF catalog under the appropriate college. Courses applied toward the major may not be counted in the minor.

This major incorporates the same computing courses as the Information Systems Program and is only recommended for a student who has a strong interest in a secondary field other than business administration. It can also be used for a post-baccalaureate student seeking a second bachelor's degree; as a minor is not required for a second bachelor's degree.

The Information Science [Academic Learning Compact](#) articulates the program's educational objectives and outcomes.

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Information Technology Program, B.S.

The Information Technology Program is accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>.

In an effort to meet the demands of an ever-changing technology market, the School offers a program in Information Technology. This program combines professional requirements with general education requirements and electives to prepare students for a career in the information technology field or for graduate work in Information Technology.

Students completing this program will be specialists ready to face high expectations of organizations with respect to planning, design, implementation, configuration, and maintenance of a computing infrastructure. They will be able to apply computing principles and concepts by participating in practical activities throughout the program. By joining this program, students attain expertise in areas of growing demand.

The Information Technology [Academic Learning Compact](#) articulates the program's educational objectives and outcomes.

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Graduate Program Information

Graduate Academic Policies and Requirements

The College of Computing, Engineering, and Construction adheres to all academic policies and regulations of the University. In addition, the School of Computing has policies which apply to all graduate students in the School of Computing.

- [Admission](#)
- [Program Requirements](#)
- [Academic Policies and Requirements](#)

Individuals needing clarification of any of these policies, or an interpretation of how a policy might apply in a given situation, should contact the School office located in the Mathews Building,

Admission

In addition to satisfying general University of North Florida criteria for admission into a graduate program, students who wish to enter the degree program leading to the M.S. in Computer and Information Sciences must present:

1. GRE scores:
 - Taken prior to July 1, 2011: composite score of 1000 (400 verbal, 600 quantitative) or higher,
 - Taken after July 1, 2011: 144 verbal, 148 quantitative
2. A grade point average of 3.0 or higher in all work attempted as an upper level student, normally the 60 credit hours taken during the last two years of undergraduate study, and
3. An undergraduate degree supporting graduate study in one of computer science, cybersecurity, data science, or information systems, including course work in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks.

A student who does not have a degree in the field will need to complete preparatory course work with grades of “B” or above as a post-baccalaureate student in the above topics before seeking admission into the graduate program. Such students may make an appointment with the graduate program director to develop a program of study to meet background preparation requirements in MS in Computing & Info Sciences (CIS) as outlined below:

MS in CIS Preparation/Prerequisites

- Computational/Discrete Structures (COT3100 at UNF)
- Programming II (COP 3503 at UNF)
- Data Structures (COP 3530 at UNF)
- Intro to Databases (COP 3703 at UNF)
- Computer Networks (CNT4504 at UNF)

Note: Each of the prerequisite courses listed has its own course prerequisites.

A student who meets all admission requirements should apply for admission as a graduate student through the Graduate School at UNF, designating one of the following concentrations: computer science, information systems, or software engineering. When all transcripts and test scores have been received by the Graduate School, the completed application package is forwarded to the School of Computing where it is considered by the School's graduate committee for admission to any of the School's graduate programs. Upon notification of admission to the graduate program, the student will be invited to meet with the graduate program director for preparation of a program of study.

Note: All applications, transcripts, test scores, and supporting documents must be sent directly to the Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224.

For complete details on graduate admission, refer to the [UNF Graduate School's webpages](#).

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Thesis Option Program Requirements

The Thesis option degree candidate is required to complete 24 credit hours of course work and a master's thesis (minimum of 6 credit hours), prepared according to School and University guidelines. The thesis requires a significant literature review and the application, synthesis, and/or extension of the knowledge gained, in such as way as to enhance the discipline of computing and information sciences.

Non-Thesis Option Program Requirements

The Non-Thesis option degree candidate is required to complete 24 credit hours of course work and a graduate research experience of 6 credit hours, work in an existing research program under the supervision of a computing graduate faculty, and participate in the development and submission of a manuscript to a journal scholarly publication or an external grant proposal.

Academic Policies and Requirements

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before completion 15 credit hours in the program.
5. Special Topics in Computing (CIS6930) may be approved by the Graduate Director to substitute any of the program courses.

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Computer Science Program (MS)

The Computer Science Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to provide research-oriented advanced studies in computing (breadth) with a focus (depth) on computer science. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as cloud computing, machine learning, and advanced computer networks. The computer science depth includes courses such as design & analysis of algorithms, advanced artificial intelligence, and parallel computing. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of computer science.

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Cybersecurity Program (MS)

The Cybersecurity Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to

provide research-oriented advanced studies in computing (breadth) with a focus (depth) on cybersecurity. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as applied cryptography, advanced computer networks, and cloud computing. The cybersecurity depth includes courses such as internet of things, internet security, wireless network security, and secure software development. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of cybersecurity.

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Data Science Program (MS)

The Data Science Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to provide research-oriented advanced studies in computing (breadth) with a focus (depth) on Data Science. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as data mining, user experience design, data visualization, and information retrieval. The data science depth includes courses such as data analytics, machine learning, and programming for data science. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of data science.

Information Systems Program (MS)

The Information Systems Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to provide research-oriented advanced studies in computing (breadth) with a focus (depth) on Information Systems. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as software quality assurance, software requirement engineering, IT management, and data analytics. The information systems depth includes courses such as engineering of software, web engineering, and interface design and implementation. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of information systems.



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School of Engineering

Director: Osama Jadaan, Ph.D.

Skinner-Jones Hall

Building 4, Suite 3201

Phone: (904) 620-1390

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Web Address: www.unf.edu/ccec/engineering

The profession of engineering requires highly educated men and women dedicated to the betterment of society through technological innovation and creative problem solving. The School of Engineering (SoE) offers ABET accredited BS degrees in Civil Engineering, Electrical Engineering, and Mechanical Engineering, and Master's degrees in all majors to meet an ever-increasing demand. Our programs are noted for first-rate classroom instruction, hands-on laboratory experiences, and extensive design project opportunities. Students may also participate — often in paid positions — in research projects with faculty mentors. Numerous cooperative

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education opportunities are also available to students wishing to gain practical experience before graduation.

Applications for the major should be made through the University Admissions Office in UNF Hall, Building 53. Application should be made at least two months before the planned enrollment in any engineering program courses. All engineering majors are advised through the School.

The engineering profession is enriched by a large number of professional organizations and many have student chapters at UNF. Students are encouraged to participate in activities of these chapters, including the following:

- American Society of Civil Engineers (ASCE)
- Institute of Electrical and Electronics Engineers (IEEE)
- American Society of Mechanical Engineers (ASME)
- Society of Women Engineers (SWE)
- Society of American Military Engineers (SAME)
- Coasts Oceans, Parks and Rivers Institute (COPRI)
- American Society of Highway Engineers (ASHE)
- Society of Automotive Engineers (SAE)
- Florida Engineering Society (FES)
- National Society of Black Engineers (NSBE)
- Society of Asian Scientists and Engineers (SASE)
- Society of Hispanic Professional Engineers (SHPE)
- Eta Kappa Nu Honor Society (HKN)
- Society of Automotive Engineers (SAE)
- Space Hardware Club
- Eta Kappa Nu (HKN)
- Florida Structural Engineers Association (FSEA)
- Osprey Robotics – Osprey Miners and Osprey Divers

Mission, Vision, and Values

The UNF School of Engineering aspires to:

- provide undergraduate programs that are among the best in the country
- produce high quality research through undergraduate and graduate programs
- make significant contributions to the economic vitality in Northeast Florida
- inspire many students in K-12 education in Northeast Florida and beyond to pursue engineering as their profession of

choice.

Mission

To provide diverse learning opportunities in the technical and professional aspects of engineering that prepare all participants to thrive in an evolving world.

Values

We, in the School of Engineering, use the following values as our guiding principles in how we conduct ourselves:

- **Integrity:** We are transparent in all our academic dealings. We are accountable to our students, employers of our students and the citizens of Florida for achieving our goals while protecting our reputation and intellectual assets. We own successes in our school as well as failures.
- **Respect:** We provide a safe and healthy environment for students. We treat all people with dignity and respect. We value the differences in people's thinking, backgrounds and cultures. We are committed to everyone's development.
- **Challenge:** We continuously search for new, innovative and better ways of doing things, continually improving. We develop and nurture new ideas, new services. We challenge the status quo and collaborate to achieve rigorous educational and institutional goals.
- **Commitment:** We are committed to serving the educational needs of our students and our constituents. We ask what we can do to help each other succeed.
- **Courage:** We have the personal and professional courage to do the right thing, take occasional risks and experiment with new methods and ideas. We make decisions and take actions as a group. We do not admonish failure, only failure to learn.
- **Citizenship:** We are good global, local and national citizens. We strive to contribute significantly and measurably to Northeast Florida and beyond. We participate in efforts to make the world we live in a better place.

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Admission to Engineering Programs

Admission to the School of Engineering is subject to the minimum

requirements for admission to the University of North Florida and adherence to the School of Engineering Academic Policies described below.

School of Engineering Academic Policies

The UNF School of Engineering (SoE) has specific academic policies that supersede the general academic policies of the university. The policies that apply specifically to SoE students are detailed below.

Satisfactory Progress Policy (SPP)

In an effort to ensure timely graduation, all UNF-based undergraduate engineering students must maintain satisfactory progress towards their degree. Students who enroll at UNF as freshmen, must demonstrate their progress by meeting certain milestones. Failure to maintain progress will result in a “Probation Hold” on the student’s record and they will not be able to enroll for the following terms until they have met with an academic advisor to revise their plan of study. Satisfactory progress is defined by two milestones in the early curriculum:

- Milestone 1 occurs after completion of the 3rd term (semester) of study
- Milestone 2 occurs after completion of the 6th term.

Summer terms are included in the term count only if a student enrolls for summer classes, with the exception of entering Freshmen who start classes before the Fall term. For entering Freshmen, a Summer term with fewer than 9 attempted credits will not count against their Milestone tally, and the following Fall term will count as their first term in the SPP. Students who are falling behind in the Fall or Spring terms are strongly encouraged to use the summer to catch up on milestone courses. The courses that must be completed on this timeline are common to all engineering majors* at UNF, and are referred to collectively as the Milestone Courses. In addition to timely completion of the milestone courses, an aggregate Milestone Grade Point Average (MGPA) will be determined and monitored for each student, as detailed in the MGPA requirements.

Milestone 1: By the end of 3rd term each course must be completed with a grade of “C” or better

Course Name	Course Number
-------------	---------------

Calculus I	MAC 2311
Calculus II	MAC 2312
Calculus-based Physics I & Lab	PHY 2048 & PHY 2048L or PHY 2048C
General Chemistry with Lab*	CHM 2045 & CHM 2045L

Milestone 2: By the end of the 6th term each course must be completed with a grade of “C” or better

Course Name	Course Number
Calculus III	MAC 2313
Differential Equations	MAP 2302
Calculus-based Physics II & Lab	PHY 2049 & PHY 2049L or PHY 2049C

* Electrical Engineering does not require the Chemistry Lab section, only the lecture.

All milestone courses MUST BE COMPLETED WITH A GRADE OF “C” OR BETTER BY THE SECOND ATTEMPT. Failure to complete a milestone course with a “C” or better by the second attempt will require a student to change to a non-engineering major (see the “One-Repeat Policy,” below).

MGPA Requirements

The MGPA will be calculated using all attempts of the Milestone courses taken while enrolled at UNF and from other universities five years prior to enrollment at UNF, excluding grades that have been forgiven by the UNF [“Grade Forgiveness Policy”](#) or [“Term Forgiveness Policy”](#). Upon completion of Milestones 1 and 2, students must have an MGPA of

- at least 2.0 for Civil Engineering
- at least 2.5 for Electrical Engineering and Mechanical Engineering

A student who doesn’t meet the MGPA requirement for their intended major at Milestone 1 will be placed on probation, and must meet with an Engineering Advisor. Students will be required to raise their MGPA to the required level by the completion of Milestone 2. Failure to meet the MGPA requirement at completion of Milestone 2 must result in the student changing majors. A student may change

to a different engineering major, if they meet that program's MGPA requirement. If the MGPA is below 2.0 at Milestone 2, the student is suspended from SoE and must change to a non-engineering major.

Students may decide to repeat an already completed course(s) to achieve a higher grade and raise their MGPA, but must remain on schedule with established milestones and Plans of Study. Any student attempting to raise their MGPA by this approach must consider any additional costs and "Excess Hours" penalties. Additionally, students attempting to raise their MGPA by repeating a completed course may not violate the "One Repeat Policy." Students are strongly encouraged to discuss this with an advisor, prior to attempting a repeat of an already satisfied course.

Satisfactory Progress and MGPA for Transfer Students

Students who transfer to UNF from another university may come in with various required courses completed, and therefore must meet with an advisor prior to registering for their first term to assess their current state of progress. Advisors will create a "Plan of Study" worksheet that details a schedule for the remaining milestone courses to be taken in the fewest number of terms, and establish Milestones 1 and 2, if applicable. In addition, the worksheet will include the transfer student's incoming MGPA, to ensure awareness of their current standing with respect to major specific MGPA requirements. Transfer students are required to meet the same major specific MGPA requirements. The MGPA for transfer students will be calculated using all attempts of the milestone courses on the student's transcripts from the five years preceding enrollment at UNF. If it is determined at the time of enrollment that the transfer student cannot mathematically achieve the requisite MGPA, the student must change their major prior to enrolling for the term. Transfer students must sign their Plan of Study worksheet to acknowledge they have been made aware of their current standing and the effects of these SoE policies.

The "One Repeat" Policy

The School of Engineering enforces a "one repeat" rule for all courses required by the engineering programs of study. Students who do not successfully complete a required course on the first attempt (i.e., earn a grade of "D," "F," "U," or "W") must repeat the course for it to count toward graduation. Students must pass the course with a grade of "C" or better by the second attempt at UNF, otherwise the student will be suspended from the engineering

program, and advised on the selection of a new major. This rule applies to all courses required by the program of study. For transfer students only, the “One Repeat” policy will not apply to attempted courses at other universities prior to enrollment at UNF, but will include courses taken at other universities concurrent with enrollment at UNF. The only exceptions to the “One Repeat” rule include withdrawals for medical, military and fully refunded withdrawals (i.e. WM, WS and WR respectively). Additionally, UNF “Term Forgiveness” and “Grade Forgiveness” will “erase” the attempts for courses that are forgiven by these policies. Note there are very limited times in which these policies may be invoked.

Academic Probation Policy

According to University policy, a student is placed on probation if their overall GPA is below a 2.0. The School of Engineering assesses academic probation by a single semester where the GPA is below 2.0, referred to hereafter as "Term GPA" probation. The School of Engineering also places students on Academic Probation status if they do not satisfy the SPP Milestones, or meet the MPGA requirements. Probation is a warning to the student. Any student on Academic Probation status will receive a hold on their records, and will not be able to register for the next term until they meet with the appropriate Engineering Advisor to complete an SoE Academic Probation Form acknowledging that they understand the consequences of Academic Probation, including suspension from the School of Engineering.

Suspension Policy

The UNF School of Engineering has adopted a policy of suspension that is more stringent than that of the university. In addition to the standing university policy on suspension, an SoE student will be suspended if any of the following conditions is true:

- The student fails to complete any required course on the second attempt with a grade of “C” or better.
- The student is placed on Term GPA based Academic Probation status for two consecutively enrolled terms (i.e., if you take a term off, the next term you enroll is the consecutive term).
- The student fails to satisfy both SPP Milestone requirements, resulting in two Academic Probations for failure to make satisfactory progress.
- The student fails to meet the MPGA requirement of their

intended major – note that a student who fails to meet the requirement may change to another engineering major with lower requirements, as long as the MGPA meets that program requirement, and there are no other offending probation/conditions.

- The student is placed on Academic Probation status for a third time (including probation from failure to meet either individual SPP Milestone, or for Term GPA), regardless of the timing of the occurrence of the first two Academic Probations.

Any student who is suspended from an engineering program will not be allowed to register for engineering courses in the following semester. This suspension is effective as of the following semester and remains in effect until an appeal for reinstatement in the engineering program is approved.

Appealing School of Engineering Policies

Appealing a grade in a specific course must be executed according to the UNF Policy for [Appealing Academic Grades NOT related to Academic Misconduct](#). If a student is protesting a grade in a milestone course, that grade appeals must be submitted before appealing any SoE policies based on the offending grade.

Appeals of the policies stated above must be submitted electronically to the student's engineering Program Advisor within one academic term following the policy enforcement. The appeal must identify the specific policy that is being appealed, contain a description of the circumstances that led to enforcement of the policy, and provide supporting evidence to justify the appeal. The School of Engineering Undergraduate Curriculum Committee will meet to review and decide on appeals at least once per term. The decision of the committee will be reviewed by the Director of the SoE and, in the case of a disputed outcome, the Dean of the college.

Denial of approval of an appeal for reinstatement into the engineering program means that the student will not be allowed to take engineering courses in that program at UNF, regardless of their major. Students will be advised on selection of a new major.

Process and Timeline for Appealing an SoE Suspension

Students who have been suspended from the School of Engineering will be notified through their official UNF email account within 2 weeks after final grades are turned in for the semester. In order to file a suspension appeal, all communication from the student must

take place using their official UNF email account. If a student wishes to appeal their suspension they must follow the following steps:

1. The student must meet with their academic advisor to acknowledge their suspension in writing and to ensure that they received the necessary forms in order to complete their appeal, if they so desire. If the student does not wish to appeal, they must officially change their major by meeting with the advisor of the department they wish to transfer to.

2. If the student wishes to appeal for reinstatement, the student must file a SoE Suspension Appeal Form with their academic advisor in the term prior to term in which they intend to re-enroll. This form must be turned in to their academic advisor by the following deadlines:
 - Fall Reinstatement – Appeal form is due by June 30th
 - Spring Reinstatement – Appeal form is due by September 30th
 - Summer Reinstatement – Appeal form is due by February 28th

3. The student must complete the entire appeal form, which must contain both a description of the circumstances that lead to the suspension as well as a discussion of the student's plan to ensure future academic success. Appeals for reinstatement to SoE must clearly demonstrate that a student has corrected inadequate academic performance. This can be accomplished through completion of courses at another university or time away from school. In considering an appeal for reinstatement, the appeals committee may recalculate the MGPA based on a revised timeline (less than 5 years), if the student has demonstrated a significant positive shift in performance and dedication to academic performance.

4. Following receipt of Suspension Appeals Forms, the School of Engineering Undergraduate Curriculum Committee will review suspension cases and make a decision. Students will be informed of the committee's decision by an email to their official UNF email address.

5. If the student does not agree with the decision of the Undergraduate Committee, they may request a meeting with the Director of the School of Engineering within 10 calendar days of receiving the committee's decision.

- The School of Engineering Director must schedule a meeting with the student and the appeals committee within 20 calendar days of the student contacting the director.
- After the meeting the School of Engineering Director will send a written response to the student with copies to the Undergraduate Curriculum Committee within 10 calendar days.

6. If the student does not agree with the decision of the SoE Director, they may request a meeting with the Dean of the College of Computing, Engineering and Construction within 10 calendar days of receiving the result from the SoE Director.

- The Dean of the College of Computing, Engineering and Construction must schedule a meeting with the student and the Undergraduate Curriculum Committee within 20 calendar days of the student contacting the dean.
- After the meeting the Dean of the College of Computing, Engineering and Construction will send a written response to the student with copies to the School of Engineering Director and the Undergraduate Curriculum Committee within 10 calendar days.

7. The decision of the Dean of the College of Computing, Engineering and Construction shall be final.

Possible Reinstatement to the SoE after a Suspension Appeal is Granted

Students who are reinstated through the appeal process will be allowed to register in the term following the approval of the appeal. Students are responsible for completing all additional coursework and/or requirements provided to them through the appeals process in the timeline provided to do them. Failure to complete these requirements will result in their suspension being reinforced. If the student is placed on academic probation in any term after reinstatement, the student will be suspended without appeal, and **MUST** change their major.

Students who received Grade Forgiveness or Term Forgiveness for the offending semester that caused their initial suspension will be removed from suspension status if the Grade Forgiveness or Term Forgiveness results in them no longer meeting the criteria for suspension from the School of Engineering.

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School of Engineering Faculty

Osama Jadaan, Ph.D., Professor & Director, School of Engineering

(904) 620-1390; Fax (904) 620-1391

Civil Engineering

- Christopher Brown, Ph.D., P.E., Professor
- William Dally, Ph.D., P.E., Professor
- Adel El-Safty, Ph.D., P.E., Professor
- Donald Resio, Ph.D., Professor & Director, Taylor Engineering Research Institute
- Thobias Sando, Ph.D., P.E., Professor
- Raphael Crowley, Ph.D., P.E., Associate Professor
- Cigdem Akan, Ph.D., Assistant Professor

Electrical Engineering

- Chiu H. Choi, Ph.D., P.E., Professor
- Juan Aceros, Ph.D., Associate Professor
- Alan Harris, Ph.D., Associate Professor
- O. Patrick Kreidl, Ph.D., Associate Professor
- Touria El Mezyani, Ph.D., Assistant Professor
- Brian Kopp, Ph.D., Assistant Professor
- Hemani Kaushal, Ph.D., Instructor and Lead Academic Advisor for Engineering

Mechanical Engineering

- Paul D. Eason, Ph.D., P.E., Professor and Associate Dean
- Alexandra Schönning, Ph.D., Professor
- James H. Fletcher, Ph.D., Associate Professor
- John Nuszkowski, Ph.D., Associate Professor
- Steven Stagon, Ph.D., Associate Professor
- Grant Beville, Ph.D., P.E., Assistant Professor
- Jutima Simsiriwong, Ph.D., Assistant Professor

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School of Engineering Programs

SoE Undergraduate Programs

All BS Degrees in Engineering require 120 credits. Students should meet with an advisor to determine which specific General Education courses must be completed along with the major specific requirements linked below.

- [Civil Engineering, BS](#)
 - [Civil Engineering, BS](#)
- [Electrical Engineering, BS - Program Description](#)
 - [Electrical Engineering, BSEE](#)
- [Mechanical Engineering, BS - Program Description](#)
 - [Mechanical Engineering, BS](#)
- [Undergraduate Course Descriptions](#)

School of Engineering Graduate Programs

- [SOE Graduate Program Information](#)
- [Master of Science in Civil Engineering - CE Graduate Program Information](#)
 - [Civil Engineering, MSCE](#)
 - [Civil Engineering/Port and Coastal Engineering, MSCE](#)
- [Master of Science in Electrical Engineering - EE Graduate Program Information](#)
 - [Electrical Engineering, MSEE](#)
- [Master of Science in Mechanical Engineering - ME Graduate Program Information](#)
 - [Mechanical Engineering, MSME](#)
- [Graduate Course Descriptions](#)

Engineering Program Information by Major

Civil Engineering Program

Civil Engineers design the built environment - the structures, roads, water supply systems, and much more - that surrounds us. The profession is broad and encompasses several technical areas including structures, transportation, geotechnics, water resources,

coastal, and environmental protection. Employment opportunities are plentiful in design, construction, management, teaching and research. Employers include consulting firms, industrial companies, and government agencies and non-governmental organizations. Civil Engineering at UNF offers an ABET accredited BS degree, as well as Master's degrees. Our alumni find success in top tier companies and graduate schools across the country.

Accreditation

The BS degree in Civil Engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Academic Programs:

[BS Degree Civil Engineering](#)

[Certificate - Port and Coastal](#)

[MS Degree Civil Engineering](#)

[MS Degree Coastal and Port Engineering](#)

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Electrical Engineering Program

Electrical engineers harness electrical energy for the benefit of humankind. The profession is broad and encompasses areas from communications to electric power and energy use to those for our current "Information Age." Employment opportunities range over product design, development, manufacturing, sales, management, teaching, and research. Employers include industrial companies, consulting firms, and government agencies and non-governmental organizations. Electrical Engineering at UNF offers an ABET accredited BS degree, as well as Master's degrees. Our alumni find success in top tier companies and graduate schools across the country.

Accreditation

The BS Degree in Electrical Engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Academic Programs:

[BS Degree Electrical Engineering](#)

[MS Degree Electrical Engineering](#)

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Mechanical Engineering Program

Mechanical Engineering (ME) is concerned with energy and its transformations and the design of objects and structures that move. Mechanical engineers are responsible for conceiving, designing, modelling, manufacturing, testing, and marketing devices such as engines and energy systems, machines and robotics among countless other devices. Typical careers involve product design, development, manufacturing, sales, management, teaching, and research. Mechanical Engineering at UNF offers an ABET accredited BS degree, as well as Master's degrees. Our alumni find success in top tier companies and graduate schools across the country.

Accreditation

The BS Degree in Mechanical Engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Academic Programs:

[BS Degree Mechanical Engineering](#)

[MS Degree Mechanical Engineering](#)

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School of Engineering Graduate Program Information

Mission

The mission of the School of Engineering Master of Science Programs is to prepare students to function in a demanding technical environment where their advanced engineering education will allow them to solve substantial problems in their field of

expertise. Through our commitment to engineering application and research and encouraging students to participate in such activities we will provide opportunities for expanded content knowledge and development of critical thinking skills inside and outside of classroom settings. Students graduating with an M.S. in Civil, Electrical, or Mechanical Engineering will receive the education that allows them to pursue a doctoral degree.

Learning Outcomes

Content/Discipline Specific Knowledge

- Upon program completion, students will:
 - be able to apply advanced engineering techniques to identify and solve technical problems.

Knowledge of the Literature of the Discipline

- Upon program completion, students will:
 - be able to conduct literature review on a topic relevant to the area of study and to condense such review into a cohesive essay.

Ability to engage in Independent Learning or Scholarship

- Upon program completion, students will:
 - be able to form conclusions and recommendations of results obtained through advanced engineering analyses, modeling, and/or experimentation.

Demonstration of intermediate to advanced level Professional Skills

- Upon program completion, students will:
 - be able to communicate technical data, analyses, and conclusions to a technical audience.

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Outcomes Assessment

The learning outcomes listed above involve depth of knowledge within a specific area of the student's chosen engineering discipline, critical thinking ability, and communications skills. These outcomes

are achieved by the successful completion of a cohesive program. Depending on the major specific program requirements, students choose to either complete a thesis (thesis option) or take additional courses approved by the program (non-thesis option). The master's thesis is an original work that adds to the understanding of an engineering problem. It requires the deep knowledge and critical thinking skills developed in the program of study to advance engineering knowledge or solve an engineering problem. The successful completion of a thesis requires well-developed writing and oral communications skills. This capstone experience in conjunction with successfully completed course work measures the outcomes enumerated above for the students choosing the thesis option. Students choosing the non-thesis option will complete additional course work in place of the thesis to further deepen their understanding of the engineering discipline. Successfully completed course work measures the outcomes enumerated above.

Graduate Admission

Special Notes about the program:

Applicants must have earned a baccalaureate degree in Civil, Electrical, or Mechanical Engineering from an ABET-accredited program or its demonstrable equivalent to be admitted into the Civil, Electrical, or Mechanical programs, respectively.

University requirements:

1. A baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a GPA of 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study.

Additional program requirements:

1. Official transcripts from all attended institutions
2. GRE scores (GRE Scores are waived for Civil Engineering if the applicant has passed the FE or the PE exam)
 - Prior to July 1, 2011: 380 verbal, 630 quantitative score
 - After July 1, 2011: 145 verbal, 150 quantitative
3. Three letters of recommendations
 - At least one letter must come from a professor at the applicant's undergraduate institution

TOEFL (Test of English as a Foreign Language) minimum requirements are as follows for applicants from *non-English speaking* countries:

- 550 paper-based test, or
- 213 computer-based test, or
- 80 internet-based test

Students should be aware that admission into any graduate program is granted on a competitive basis. Students meeting minimum requirements may be denied admission based on such factors as program capacity or academic discretion. Likewise, students may be considered for admission as an exception if stated admissions criteria are not met.

For complete details on graduate admission, refer to the UNF Graduate School's webpages for:

- [Civil Engineering](#)
- [Civil Engineering/Port and Coastal Engineering](#)
- [Electrical Engineering](#)
- [Mechanical Engineering](#)

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General Requirements

MS Engineering Requirements: (30 credit hours)

The Engineering master's degree consists of a minimum of 30.0 credit hours.

Students select from one of two degree options: (1) thesis or (2) non-thesis for Civil Engineering (Port and Coastal requires a Thesis).

Mechanical Engineering and Electrical Engineering both require a Master Thesis.

****All programs of study must be approved by the Engineering Program Graduate Director prior to the end of the second semester of graduate study.****

UNF Conditions for the degree:

For more details on the below and additional conditions, please refer to the UNF Graduate School's webpage: <http://www.unf.edu/graduateschool/>.

1. A GPA of 3.0 must be maintained. If the GPA falls below 3.0,

probation will result.

2. At least 18.0 hours of coursework at the 6000-level must be applied toward the degree.
3. All coursework for a graduate or post-baccalaureate professional degree must be completed within six years of a master's degree-seeking student being admitted to a graduate program. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

School of Engineering Conditions for the degree:

1. All coursework must be completed with a grade of 'C' or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. A No more than 6.0 hours of transfer coursework can be applied to the degree, with the following exception:

A student may transfer up to 12 credit hours from online graduate courses taken within the Florida State University System, provided that the total of all transferred courses does not exceed 12 credit hours.

4. A student may not receive 5000-level credit for a cross-listed 4000/5000-level course previously completed at the 4000-level. Exceptions to this rule may be considered with documented evidence of significant and appropriate differences in content between the courses.

Student Graduate Advisor and Graduate Committee

Each graduate thesis student will need a graduate advisor. This advisor should be chosen based on the student's area of interest and the faculty member's area of expertise. The program of study should list the graduate advisor no later than by the end of the second semester of graduate study. Before a graduate advisor is chosen, the Engineering Program Graduate Director will serve as the graduate advisor. The graduate advisor must be a member of the Graduate Faculty and a tenure-track or tenured professor in the appropriate engineering program. The graduate advisor and student will choose a supervisory committee that will be made up of two tenure-track or tenured UNF engineering professors in the student's chosen discipline and members of the Graduate Faculty, and one outside member who must be a tenure-track or tenured professor at

UNF or other regionally accredited academic institution. Additional members may be added from industry or affiliated faculty in the School of Engineering, if approved by the graduate advisor. The graduate advisor will serve as chair of the committee. The graduate advisor also approves the selection of the thesis.

Each graduate non-thesis student is advised to have a graduate advisor in the student's field of study. The Engineering Program Graduate Program Director will serve as the advisor for those students who have not yet selected a Graduate Advisor in their field of study.

Thesis Option

The master's thesis is an original work that adds to the understanding of an engineering problem. The supervisory committee approves the thesis topic. Completion of a thesis is an intense experience and most students will find that much of their academic effort for at least two semesters will focus on its completion. The thesis is presented at an oral defense that includes the supervisory committee and others from the university community. The supervisory committee determines if the defense was successful and the thesis is acceptable. For more information see the School of Engineering Thesis Committee Policies and Guidelines.

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Master of Science in Civil Engineering (MSCE)

The program of study consists of 30 credit hours. All programs of study must be approved by the graduate program director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the graduate program director. All programs of study must contain at least 18 credits of 6000-level courses (including thesis credits, if applicable).

Master of Science in Port & Coastal Engineering

The program of study consists of 30 credit hours. All programs of study must be approved by the graduate program director before the end of the second semester of graduate study. Programs of study

may be modified with the approval of the graduate program director.

Master of Science in Electrical Engineering (MSEE)

The program of study consists of 30 credit hours. While there are no formal tracks or concentrations in the MSEE program, the program of study generally focuses on communications, computer, or controls and signal processing. All programs of study must be approved by the graduate program director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the graduate program director. All programs of study must contain at least 18 credit hours of 6000-level courses (including thesis credits, if applicable).

Master of Science in Mechanical Engineering (MSME)

The program of study consists of 30 credits. While there are no formal tracks or concentrations in the MSME program, the program of study generally focuses on the machine sciences, thermofluids, manufacturing and materials engineering. All programs of study must be approved by the graduate program director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the graduate program director. All programs of study must contain at least 18 credits of 6000-level courses (including thesis credits, if applicable).

Mechanical Engineering BSMS Accelerated Program

Admission to the accelerated program allows student to register for graduate level courses while an undergraduate student, but does not grant automatic admission into the graduate program. The graduate courses taken as part of the program can count towards both the undergraduate and graduate degrees according to the below rules.

A student interested in the accelerated program shall submit an application for the accelerated program to the School of Engineering prior to the registration period of the term in which the student wishes to register for a graduate level course.

It is highly recommended that students interested in the accelerated program meet with an advisor to learn how the program may affect financial aid and tuition rates.

Accelerated program admission requirements

- A minimum program GPA of 3.2 at time of application is required for admission into program
- A signature from potential faculty thesis advisor is required for admission into program
- All course pre-requisites for each course must be met prior to registering for the course(s), with the exception of holding graduate standing
- Students are not required to take the GRE for admission into the accelerated program.

Additional accelerated program details

- Up to 9 credit hours of graduate level course work may be used towards technical electives at the undergraduate level.
- A grade of C or higher must be earned in the graduate level course(s) to satisfy technical elective requirements for undergraduate students.
- Up to 9 credit hours of graduate level course work completed while in undergraduate status at UNF may be used towards the MSME degree.
- A grade of B or higher in the course(s) must be earned if the course(s) is to count towards the graduate program of study.
- Grades earned in courses while in undergraduate status do not count towards graduate level GPA.
- Admission into the Mechanical Engineering accelerated BSMS program does NOT automatically grant admission into the Mechanical Engineering Master of Science program at UNF. Student need to submit a separate application to the graduate program and meet the same admission requirements, including GRE requirements, as students not accepted into the accelerated BSMS program. UNF graduates with a GPA of 3.5 or higher are exempt from the GRE admission criteria.



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Vision

The vision of the College of Education and Human Services is to be a premier college that is globally recognized for innovative programs and practices, impacts our fields through high quality teaching, scholarship, and service, and prepares graduates who are transformative leaders in their professions.

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Mission

The mission of the College of Education and Human Services is to:

- Collaborate with local, regional, national, and international stakeholders to promote transformational learning experiences;
- Establish and nurture partnerships with local institutions and agencies to address the needs of our community, which is inclusive of urban areas;
- Develop and offer rigorous programs of study that promote high standards;
- Use evidence-based practices to prepare effective practitioners who exhibit a professional disposition;
- Contribute to the knowledge base in our disciplines through quality scholarship; and
- Model and foster a commitment to professional growth, critical

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and creative thinking, and reflective practice.

Values

The College of Education and Human Services values:

- Integrity that informs ethical behavior and professional excellence;
- Active engagement in efforts to promote equity and social justice;
- Respect for others demonstrated by caring, compassion, and cultural sensitivity; and
- Intellectual curiosity that leads to professional scholarship and innovation.

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Accreditation

The Teacher Education Unit at the University of North Florida is accredited by:

- National Council for Accreditation of Teacher Education (NCATE)/ Council for the Accreditation of Educator Preparation (CAEP)
1140 19th St NW, Suite 400 Washington, DC 22036

Programs in Education are accredited and approved by the following:

- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Florida Department of Education (FDOE)

Programs in Sport Management are accredited and approved (with notes) by the following:

- Commission on Sport Management Accreditation (COSMA)

Programs in ASL/English Interpreting are accredited by the following:

- Commission on Collegiate Interpreter Education (CCIE)

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Department of Exceptional, Deaf and Interpreter Education

- [Bachelor of Arts in Education](#)
- [Bachelor of Science in American Sign Language/English Interpreting](#)
- [Master of Arts in Teaching in Exceptional Student Education](#)
- [Master of Education in Special Education](#)
- [Special Education Concentrations \(Graduate Level\)](#)
- [Master of Science in ASL/English Interpreting](#)
- [Minor Programs](#)
- [Certificate Programs](#)
- [Exceptional, Deaf and Interpreter Education Faculty](#)

Bachelor of Arts in Education

Web Address:<http://www.unf.edu/coehs/edie/>

The undergraduate program in Special Education, Exceptional Student Education concentration prepares teachers with competencies necessary to produce achievement gains and desirable behavior changes in students with disabilities. Successful completion of the courses of study prepares the student for the certification exams in (ESE) exceptional student education. Students graduating in ESE are highly recommended to be certified in another content area such as PreK/Primary, Elementary Education K-6, Middle Grade, or the Secondary Education disciplines to become employed as a teacher in the state of Florida.

The undergraduate program in Special Education, Disability Services concentration, prepares disability services professionals with competencies necessary to produce gains and desirable behavior changes in individuals with disabilities in a variety of settings. Successful completion of the courses of study prepares the

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student who does not wish to obtain a teaching license, but would like to work with individuals with disabilities in schools and other agencies or settings in related positions.

The Bachelor of Arts in Deaf Education is designed to develop highly effective teachers who are equipped to work with students who are deaf or hard of hearing in a variety of educational settings. Pre-service teachers in the program will learn a comprehensive and balanced perspective of students' varying communication modes (sign and/or listening and spoken language), language and academic proficiency levels, use of assistive hearing devices (hearing aids or cochlear implants), family dynamics, and culturally and linguistically diverse backgrounds. Teacher education candidates must pass all parts of the Florida Teacher Certification Exam as an internship and graduation requirement.

All courses have field assignments. Students are expected to be proficient in the use of the computer for word processing and Internet access.

The program is blocked sequentially with some courses being offered once a year only; therefore, students are requested and encouraged to enter in the fall term. Before beginning course work, students must consult an advisor in the Office of Academic Support and Information Services, Building. 57, Suite 1300. (904) 620-3934.

The State of Florida mandates certification requirements for teachers. Students should see their advisor frequently to obtain appropriate advisement for current certification requirements. All students enrolled in College of Education and Human Services courses that require a field or clinical component are taught at a school site/professional agency and or require the student to complete work at a school mandated by state law to be fingerprinted and cleared prior to being permitted on elementary and secondary school campuses, or agencies. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office of Academic Support and Information Services for information regarding fingerprinting procedures.

- [Special Education: Exceptional Student Education](#)
- [Special Education: Disability Services](#)
- [Deaf Education](#)

Bachelor of Science in ASL/English Interpreting

Students may also prepare for a B.S. degree in ASL/English Interpreting. Students seeking to complete the B.S. in ASL/English Interpreting must complete their first two years of interpreting at an accredited and approved ASL/English Interpreting program; usually culminating in an A.S. degree and then transferring to UNF for their final two years.

- [Bachelor of Science: ASL English Interpreting](#)

Program Mission and Philosophy

The mission of the ASL/English Interpreting Program is to prepare entry-level practitioners who are capable of managing the intercultural demands and complex cognitive tasks for conveying dynamically equivalent messages between American Sign Language and English. The program strives to provide an evidence-based curriculum that instills strong communication skills in English (written and spoken) and American Sign Language (receptive and expressive). The program is based on core values of ethical reasoning and decision-making, critical thinking, and Deaf community alliance. In addition, we aspire to graduate students who consistently demonstrate interpersonal skills that reflect unconditional positive regard for all participants in the interpreting process and professional dispositions that embrace diversity, respect, equity, and equality of opportunity among the diverse language and cultural groups of the community. Program faculty members are committed to conducting and incorporating research in interpreting and interpreter education, receiving ongoing training on best practices in distance learning, and infusing the standards outlined by the Commission on Collegiate Interpreter Education.

Minors

The Department of Exceptional, Deaf and Interpreter Education offers minors in:

- [American Sign Language / Deaf Studies](#)
- [Deaf Education](#)
- [Disability Services](#)

Certificates

The Department of Exceptional, Deaf and Interpreter Education offers certificates in:

- [Deaf Education](#)
- [International Education](#)
- [Partnerships with Individuals with Disabilities & Their Families](#)
- [Applied Behavior Analysis](#)

Post-baccalaureate Certificate in Deaf Education

The online Post-Baccalaureate Certificate in Deaf Education is designed for professionals (e.g., teachers, paraprofessionals) who are currently working with or aspire to work with DHH students but have not completed a degree in deaf education. In order to enroll in the program, students must have previously earned a bachelor's degree (in any major subject area).

The program does not guarantee certification to teach upon completion. However the content of the five required courses is aligned with the Florida's Deaf and Hard of Hearing (K-12) Certification exam and is designed to prepare students in the program to pass this exam. Some courses may required field experiences.

Master of Arts in Teaching in Exceptional Student Education

The graduate program in Exceptional Student Education will provide initial licensure for individuals with bachelor's degrees in other areas who wish to become teachers. This will bring individuals with life experiences into the classroom. The proposed program will address the needs of ESE teacher candidates to ensure they have the skills necessary to work with students with disabilities in the Least Restrictive Environment (LRE). Critical ESE pedagogy addressed in coursework will include: (a) high leverage practices in special education, (b) universal design for learning, (c) special education law, (d) positive behavior supports, and (e) data driven instruction. In addition, the degree will ensure endorsement in reading and English learning for speakers of other languages (ESOL) as required by the state.

This major consists of a minimum of 30 credits of graduate study. The program of study is developed as a cohort model, beginning in the fall semester. Students will work in collaboration with his or her

faculty advisor.

For admission into the Exceptional Student Education MAT graduate program an applicant must

- obtain a minimum undergraduate grade point average (GPA) of a 3.0 in the last 60 semester hours of their undergraduate degree program;
- present three letters of recommendation (at least one from a current or former college professor);
- submit a written intent or goals statement (statements should be between 500 - 1000 words) indicating the area of interest the applicant would like to pursue and how this course of study would help them in their own professional development.

Students not meeting minimum criteria for admission may be considered for admission under the UNF/College exceptions policy. Please check with the program director or the office of academic advising for procedures on admission by exceptions. The program makes special provisions for admitting students with disabilities.

Note: All applications, transcripts, test scores, and supporting documents must be sent directly to The Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224.

All students enrolled in College of Education and Human Services courses that require a field or clinical component and/or are taught at a school site are mandated by state law to be fingerprinted and cleared prior to being permitted on elementary and secondary school campuses. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office of Educational Field Experiences, (904) 620-3934, for information regarding fingerprinting procedures.

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Master of Education in Special Education

The graduate program in special education prepares graduate students to assume positions as professional practitioners who work with exceptional individuals. Some practitioners become teachers in

a variety of classroom and classroom support positions, while others serve in positions such as consulting teacher, behavior analyst, parent-infant specialist, or sign language interpreter. Practitioners may serve individuals with special needs ranging from preschool through adulthood. Additionally, they may work with the families of individuals with special needs.

The graduate special education program offers three concentrations.

- The first concentration in exceptional student education is for students working toward initial state certification in special education.
- The second option is a concentration in disability services designed for students interested in serving individuals with disabilities in general education classes or non-educational settings.
- The third concentration is for students interested in specialization in applied behavior analysis

Majors in special education consist of a minimum of 36 credits of graduate study. The initial certification Master's degree program requires additional credit hours. An individually designed program of study for each student is developed by the student in collaboration with his or her faculty advisor.

For admission into the special education graduate program an applicant must

- obtain a minimum undergraduate grade point average (GPA) of a 3.0 in the last 60 semester hours of their undergraduate degree program;
- present three letters of recommendation (at least one from a current or former college professor);
- submit a written intent or goals statement (statements should be between 500 - 1000 words) indicating the area of interest the applicant would like to pursue and how this course of study would help them in their own professional development.

Students not meeting minimum criteria for admission may be considered for admission under the UNF/College exceptions policy. Please check with the program director or the office of academic advising for procedures on admission by exceptions. The program makes special provisions for admitting students with disabilities.

Note: All applications, transcripts, test scores, and supporting documents must be sent directly to The Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224.

All students enrolled in College of Education and Human Services courses that require a field or clinical component and/or are taught at a school site are mandated by state law to be fingerprinted and cleared prior to being permitted on elementary and secondary school campuses. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office of Educational Field Experiences, (904) 620-3934, for information regarding fingerprinting procedures.

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Special Education Concentrations (Graduate Level)

Exceptional Student Education Concentration

The Exceptional Student Education concentration is designed for those students seeking initial certification as teachers of students with exceptionalities. The program of study is designed to offer graduate students the preparation needed for Florida state certification in exceptional student education, K-12.

- [Exceptional Student Education](#)

Disability Services Concentration

The disability services concentration in special education is available for professionals who serve individuals with disabilities in special and general education and in settings other than schools. This concentration allows individuals to pursue graduate study in special education and in various cognate areas in education but does not lead to teacher certification. The program of study consists of a minimum of 36 credit hours and is individually designed.

- [Disability Services](#)

Applied Behavior Analysis Concentration

The Applied Behavior Analysis (ABA) concentration is designed to prepare individuals to assume positions as professional clinical practitioners who work with exceptional individuals and are interested in behavioral assessment and appropriate interventions

and in preparing for the BCBA or BCaBA examinations.

- [Applied Behavior Analysis](#)

Master of Science in ASL/English Interpreting

The ASL/English Interpreting degree is designed for those students seeking advanced preparation as sign language interpreters. The University of North Florida's interpreting programs are committed to upholding the National Interpreter Educational Standards as formulated by the Conference of Interpreter Trainers. The master's degree is offered in a distance-friendly modality with online, three weekend-per-semester/online, and a five day summer session/online formats to accommodate students who do not live in northeast Florida. The program is developed in accord with current spoken and signed language research and target interpreters who aspire to become nationally certified.

- [American Sign Language Interpreting](#)

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Department of Exceptional Deaf & Interpreter Education Faculty

Undergraduate

Pamela Williamson, Associate Professor and Chair

Jonathan Antal, Instructor, ASL

Natalie Badgett, Assistant Professor

Maryrose Claussen, Instructor

Christopher Collinsworth, Visiting Instructor

Amber Cull, Visiting Instructor

Michael Fehlauer, Visiting Instructor

Shaqwana Freeman-Green, Associate Professor and director of ESE program

Caroline Guardino, Associate Professor

Mark Halley, Assistant Professor

Jennifer Kilpatrick, Assistant Professor

Cynthia Livingston, Clinical Assistant Professor

Karen Patterson, Professor, Provost

Deborah Reed, Associate Instructor, faculty in residence and director of Disability Services and ABA programs

Len Roberson, Associate Professor and director of ASL/English Interpreting Program

Sherry L. Shaw, Professor

Michael Stultz, Associate Instructor, ASL

Dawn Wessling, Staff Interpreter and Instructor

Graduate

Pamela Williamson, Associate Professor and Chair

Natalie Badgett, Assistant Professor

Shaqwana Freeman-Green, Associate Professor and director of ESE program

Caroline Guardino, Associate Professor

Mark Halley, Assistant Professor

Karen Patterson, Professor, Provost

Deborah Reed, Associate Instructor, faculty in residence and director of Disability Services and ABA programs

Len Roberson, Associate Professor and director of ASL/English Interpreting Program

Sherry L. Shaw, Ed.D., Professor



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Department of Leadership, School Counseling & Sport Management

Web Address: <http://www.unf.edu/coehs/lscsm/>

Undergraduate

Bachelor of Science in Sport Management

The Bachelor of Science in Sport Management has two concentration options for students who are interested in working in the sport industry. The Sport Management Concentration is appropriate for those candidates who seek careers in professional sport, intercollegiate athletics, or sport entrepreneurship. There is a fully online option in Sport Management with a concentration in Marketing. This program is designed for upper level transfer students. The program is limited to fall admission only. Students interested in this degree program should contact Program Director, Dr. Kristi Sweeney, or an academic advisor in the College of Education and Human Services.

The Department of Leadership, School Counseling and Sport Management offers undergraduate programs in the following areas:

- [Sport Management](#)

The Department of Leadership, School Counseling and Sport Management offers undergraduate minors in the following areas:

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Graduate

The Department of Leadership, School Counseling, and Sport Management offers professional studies suitable for students interested in careers in Educational Leadership, School Counseling, and Athletic Administration. Master of Education programs are offered in school leadership, advanced teaching and learning, and Higher Education Administration, Educational Technology, Training and Development, School Counseling, and Athletic Administration and a Doctor of Education program in educational leadership.

- [Doctor of Education in Educational Leadership](#)
- [Specialist in Education in Educational Leadership](#)
- [Master of Education in School Leadership](#)
- [MS in Higher Education/General Higher Education](#)
- [MS in Higher Education/International Programs](#)
- [MS in Higher Education/Student Affairs](#)
- [MS in Higher Education/Collegiate Athletics](#)
- [MS in Ed Tech Training & Development](#)
- [Master of Education in Athletic Administration](#)
- [Master of Education in Counselor Education](#)

Admission Requirements:

Doctor of Education

1. A master's degree from a regionally accredited institution with a minimum GPA of 3.25
2. An acceptable score on the Graduate Record Examination or, with the approval of the program director or an acceptable score on the GMAT.
3. Three years of successful teaching experience or professional administrative experience in education or related field
4. Demonstrated leadership ability or leadership potential
5. Demonstrated academic ability and potential to complete the course work and a dissertation successfully
6. Career goals in professional education consistent with the

objectives of the doctoral program

7. Recommendation of the Doctoral Admissions Committee.

Master of Education

1. A baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a grade point average of 3.00 (B) or higher in all work attempted as an upper division student, normally the 60 semester hours taken during the last two years of baccalaureate study or
2. An earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

Additional Requirements per Program:

Educational Leadership/School Leadership

1. Official transcripts from all attended institutions
2. A written statement of intent
3. A current Resume
4. Three letters of recommendation (one from a school administrator .. online forms preferred).
5. Copy of a valid teaching certificate or statement of eligibility
6. At least one (1) year of successful full-time teaching experience in a public or private school (Three (3) years preferred).

Educational Leadership/Advanced Teaching and Learning

1. Official transcripts from all attended institutions
2. A written statement identifying professional career goals and aspirations
3. A current Resume
4. Three letters of recommendation (online recommendation forms preferred).

Educational Leadership/Athletic Administration

1. Official transcripts from all attended institutions
2. A written statement identifying professional career goals and aspirations
3. A current Resume
4. Three letters of recommendation (online recommendation forms preferred).

Educational Leadership/Technology Education Leadership

1. Official transcripts from all attended institutions
2. A written statement identifying professional career goals and

aspirations

3. A current Resume

4. Three letters of recommendation (online recommendation forms preferred).

Higher Education Administration

1. Official transcripts from all attended institutions

2. A written statement identifying professional career goals and aspirations

3. A current Resume

4. Three letters of recommendation (online recommendation forms preferred).

Note: Applicants not meeting the admission criteria of a 3.00 GPA in their last 60 hours of their baccalaureate degree will be required to apply for admission under our exceptions policy and must submit a competitive GRE or MAT score taken within the last 5 years.

Master of Education / School Counseling**

1. Official transcripts from all attended institutions

2. GRE Scores. Prior to July 1, 2011: composite score of 1000 for both verbal and quantitative. After July 1, 2011: composite score of 297 for both the verbal and quantitative portions. Note: Applicants may submit passing scores from the Florida General Knowledge (GK) test in lieu of GRE scores.

3. Letter of intent

4. Three letters of recommendation.

5. Personal interview required for admission.

** Note: Candidates seeking admission to state-approved educator preparation programs must demonstrate mastery of general knowledge for admission to the program by providing passing scores of the GK or GRE exams.

Department of Leadership, School Counseling & Sports Management Faculty

Undergraduate

Ronghua (John) Ouyang, Ph.D., Professor

Jennifer Kane, Ph.D. Associate Dean and Associate Professor

Christopher A. Janson, Ph.D. Associate Professor

E. Newton Jackson, Ph.D. Professor

Terence Cavanaugh, Ph.D. Associate Professor and co-program director

Elizabeth Gregg, Ph.D., Chair and Associate Professor

Matthew Ohlson, Assistant Professor

Jason W. Lee, Ph.D., Professor

Kristi Sweeney, Ph.D., Associate Professor and Program Director for Sport Management

Tae Ho Kim, Ph.D., Assistant Professor

Wanyong Choi, Ph.D., Assistant Professor

Graduate

Ronghua (John) Ouyang, Ph.D., Professor

Jennifer Kane, Ph.D. Associate Dean and Associate Professor

Cheryl A. Fountain, Ed.D. Professor and Executive Director, Florida Institute of Education

E. Newton Jackson, Ph.D. Professor

Carolyn B. Stone, Ed.D. Professor

Linda Skrla, Ph.D, Professor

Terence Cavanaugh, Ph.D. Associate Professor

Luke M. Cornelius, Ph.D. JD. Associate Professor

David Hoppey, Ph. D. Professor and Program Director for Ed.D in Educational Leadership

Christopher A. Janson, Ph.D. Associate Professor

Elizabeth Gregg, Ph.D. Chair and Associate Professor

Jason W. Lee, Ph.D. Professor and Program Director

Sophie Filibert, Ph.D. Associate Professor and Program Director for School Counseling

Kristi Sweeney, Ph.D. Associate Professor

Amanda Pascale, Ph.D. Assistant Professor

Suzanne Ehrlich, Ph.D, Assistant Professor

Laura Boilini, Ph. D., Clinical Assistant Professor and Program Leader for the M.Ed. in Educational Leadership

Heather Roth, Ph.D., Assistant Professor

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Department of Teaching, Learning, and Curriculum

Mission

The Department of Teaching, Learning, and Curriculum, through teaching, research, and public service, and its commitment to leadership and excellence, strives to enhance the quality of education in its varied forms and settings in Florida, the nation, and the world.

Programs

Our programs prepare teachers who can respond conscientiously to the needs of students from diverse backgrounds in order to support them in their learning. Teaching is a moral act. It is moral because, in a macro sense, student achievement and successful school experiences are related economically and ethically to the improvement of social and cultural conditions. Well-taught students grow to become adults who are able to participate fully in our democratic, pluralistic society. In a micro sense, teaching is moral because students' individual lives are improved as they grow and learn. Teachers must value and be committed to educating and working with all children, regardless of background or ethnicity – a challenging task, especially as the American culture becomes increasingly diverse. The programs and courses of study within this department enable aspiring teachers to demonstrate research-based teaching approaches, to expand their content knowledge in order to help students meet the challenges of the 21st century, to use educational technologies thoughtfully, to value education, and to appreciate the key role of critical thinking and problem solving in all aspects of schooling. The department has as its objectives the development of specified competencies needed for effective

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classroom performance. Laboratory and field experiences of increasing complexity are required and are correlated with theoretical components, providing an opportunity to apply information gathered in the program. Instructional techniques used by the department faculty will include those methods the students are expected to learn and apply in clinical settings.

Teacher Education at UNF is developed around the following constructs:

1. Reflection: Teacher reflection utilizes teacher beliefs as the mechanism to understand and, importantly, improve their professional decision-making.
2. Inquiry: The overriding goal of teacher inquiry is improved and more-informed practical classroom decisions to better meet the needs and interests of learners.
3. Social Justice Education: Social justice education attempts to reallocate educational resources (from courses to staffing) by taking into account the pre-existing inequities in society (such as racism, sexism, ableism, colonization and other forms of oppression).
4. Collaboration: Collaboration is the direct interaction between at least two coequal parties voluntarily engaged in an interactive process, using shared decision making, rules, norms and structures as they work toward a common goal.
5. The Whole Learner: The idea of whole learning is that students learn from cooperation and collaborative learning and the instruction should be student focused not information focused (Frick, 1995).

While the department has specific prerequisite courses, students are expected to be able to demonstrate communication skills throughout the program. Further, students are expected to demonstrate behaviors and dispositions commensurate with established standards for professional educators, including the Florida Educator Accomplished Practices. The following are specific admission requirements:

- Satisfactory completion of 60 semester hours of credit from UNF or other regionally accredited institution(s). An Associate in Arts Degree (AA) from one of Florida's public community/state colleges or SUS schools satisfies General Education and Gordon Rule requirements.
- A minimum of a C grade in all lower and upper level classes required for the major. This requirement includes all General

Education and the prerequisite course, EDF1005 Intro to the Teaching Profession, (EDFX005 can be used as a substitute for EDF1005).

- A cumulative grade point average (GPA) of at least 2.5 or better in all college level course work.
- Passing scores (no exemptions) on all four parts of the Florida General Knowledge (GK) Test. Transferring students, students changing majors, or students who have not presented passing scores on all four parts of the GK exam will not be permitted to enroll in any upper level education courses until they have been admitted into COEHS Teacher Preparation Programs.
- Professional education minors may enroll in the specified upper level education courses with the approval of a COEHS academic advisor.

Students not meeting the minimum admissions requirements for the College of Education and Human Services may apply for admission under the College's Exceptions Policy.

The State of Florida mandates certification requirements for teachers. Students should see their academic advisors frequently to obtain appropriate advisement for current certification requirements.

Programs of Study

The Department of Teaching, Learning and Curriculum houses the following programs.

Bachelor of Arts in Education Degree Programs

- Early Childhood Education Program which has two concentrations
 - Early Childhood Development
 - PreK-Primary Licensure (leads to age 3 to grade 3 teacher certification)
- Elementary Education (K-6) Program
- Biology Education (6-12) Program
- Chemistry Education (6-12) Program
- English Education (6-12) Program
- Mathematics Education (6-12) Program
- Middle School Education: Mathematics and Science Program
- Physics Education (6-12) Program
- Social Studies Education (6-12) Program

Master's degree Programs

- Master of Education in Elementary Education with the following concentrations:
 - Advanced Reading Instruction
 - Elementary STEM
 - Teaching the Whole Child
- Master of Education in Curriculum and Instruction with the following concentrations:
 - Advanced Secondary Education
 - Early Childhood Educational Leadership
 - Elementary STEM
 - Reading and Advanced Literacy
 - Reading and Literacy Endorsement
 - Teaching the Whole Child
 - TESOL
- Master of Arts in Teaching (Elementary Education)
- Master of Arts in Teaching (Secondary Education)
 - Biology Education (6-12)
 - Chemistry Education (6-12)
 - English/Language Arts Education (6-12)
 - Mathematics Education (6-12)
 - Middle School Education: Mathematics and Science (5-9)
 - Physics Education (6-12)
 - Social Studies Education (6-12)

*MAT programs are designed for individuals who hold a Bachelor's degree in a non-education field who wish to pursue a career as a classroom teacher.

Doctor of Education in Curriculum and Instruction

The aim of the Doctor of Education (EdD) degree in Curriculum and Instruction is to prepare scholarly practitioners to be innovative leaders who can transform teaching and learning in their schools, districts, and other educational institutions in Northeast Florida. The program is designed for a wide variety of individuals including curriculum specialists or designers, school-based teacher leaders, instructional coaches, administrators who want to increase their knowledge of curriculum and instruction, educational consultants,

individuals working in informal educational settings, including museums, and those interested in adult education.

- Admissions
 - Students are admitted for the Fall semester
 - Early decision applications are due March 1 and regular decision applications are due May 1

The Department of Teaching, Learning and Curriculum graduate programs assist learners in developing personal and professional competencies needed for successful instruction in today's schools. This goal is achieved through programs emphasizing individually meaningful instruction, the use of innovative materials, and the application of theoretical concepts in laboratory and clinical experiences.

The department offers a wide array of graduate studies for teachers and other educational professionals. In meeting those diverse needs, the department offers three categories of studies at the graduate level.

Category I - Master's Degree Programs for Teachers with Professional Certificates

Programs for certificated teachers who desire to extend their professional skills and knowledge leading to the awarding of a master of education degree are the primary means for pursuing graduate study within the department. The central mission of these programs is to extend and enhance the instructional expertise of the professional teacher. These programs make provisions for "add-on" endorsements to the initial teaching certificate and expand the teacher's certified areas of instruction.

Category II - Master's Degree Programs for Uncertified Post-baccalaureate Students

These programs are for graduate students who do not hold professional teaching certificates but who wish to obtain a Master of Education degree.

Category III - Non-degree Studies that Lead to a Certificate

These studies are content focused programs that lead to certificates awarded by the University of North Florida. A baccalaureate degree from an accredited institution, either in education or a non-education

related field, is required to pursue the certificates. It should be noted that traditional types of financial aid are not available for certificate programs.

General Admission requirements:

1. A baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a grade point average of 3.00 (B) or higher in all course work attempted as an upper division student, normally the 60 semester hours taken during their final two years of baccalaureate study, or
2. An earned graduate degree from a regionally accredited U.S. Institution or its equivalent from a foreign institution.

Additional requirements:

Master of Education Elementary Education

1. Requirements include a 3.0 GPA for the last 60 hours of undergraduate study,
2. A copy of a valid Florida Teaching Certificate or Statement of Eligibility and
3. Three letters of recommendation

Individuals not meeting the admission requirements stated above may be considered for admission under UNF's Exceptions Policy. Contact the Office of Academic Advising for more information on admission by exceptions.

Certificate Programs

- Graduate Certificate in Early Childhood Education
- Graduate Certificate in TESOL
- The Whole Child Graduate Certificate
- Teacher Leadership and Mentoring Graduate Certificate
- Graduate Certificate in Elementary STEM Education
- Graduate Certificate in Reading and Advanced Literacy
- Graduate Certificate in Advanced Secondary Instruction

Minors

The department offers minors in the following areas:

- Early Childhood
- Professional Education
- TESOL

Department of Childhood Teaching, Learning and Curriculum Faculty

Paul Parkison, Ph.D., Chair, Associate Professor

Carolyne Ali-Khan, Associate Professor

Stacy Boote, Associate Professor

Richard H. Chant, Associate Professor

Kim Cheek, Associate Professor

Brooke Cobbin, Instructor

Jeffrey W. Cornett, Chair Emeritus

Daniel Dinsmore, Associate Professor

Terrie Galanti, Assistant Professor

Katrina Hall, Associate Professor

Jeania Jones, Instructor

Dilek Kayaalp, Assistant Professor

Soonhyang Kim, Assistant Professor

Tia Kimball, Instructor

Meghan Parkinson, Assistant Professor

Mario Pickens, Assistant Professor

Elizabeth Rozas, Assistant Professor

Georgia Smith-Miller, Instructor

Nile Stanley, Associate Professor

Madalina Tanase, Associate Professor

Christine Weber, Professor

John White, Professor

Lunetta Williams, Professor

Bess Wilson, Associate Professor

Christian Winterbottom, Associate Professor

Brian Zoellner, Associate Professor

Hicks Honors College

The [Hicks Honors College](#) at the University of North Florida offers talented students a unique approach to higher education. Averaging around 20 students, Honors classes apply active learning in interdisciplinary settings. The goal is to build a community of learners who have the power to take their learning outside the classroom, enabling them to take what they read in their text and apply it to the outside world. In addition, Honors students are offered special funding opportunities to enable them to learn through travel, internships, and research. The Hicks Honors College provides students with an individualized private college experience, within the larger university setting.

What does it mean to be a UNF Honors student? It means learning to think critically and well. It means working with professors who know your name. It means traveling to other countries and learning to understand other cultures. It means being part of a tight-knit community in which everyone is focused on becoming well-rounded individuals and exploring the world beyond lectures and textbooks. It means being supported by faculty who understand that the most meaningful education combines experiential learning and critical thinking. Our classes are heavily discussion-based, with plenty of opportunities for careful, critical thought. Many of our courses include field trips and other activities beyond the classroom so that students have the chance to see how the topic relates to the real world and to apply the skills they've learned.

For more information on what it means to be a UNF Honors student, visit the [Hicks Honors College website](#).

Vision

The Hicks Honors College demonstrates its commitment to academic and cultural growth, civic awareness and student success by fostering a community of intellectually curious global citizens. Through the Hicks Honors College, students are encouraged to develop rigorous and comprehensive critical thinking, their sense of integrity and a commitment to service.

Mission

The Hicks Honors College inspires students to explore new areas beyond the experiences they've had. Through a vibrant, supportive community of faculty, staff and students, the program emphasizes opportunities to exercise disciplined critical thinking, make connections between disciplines, develop global awareness, participate as community citizens, and engage fully in their education. We do this through an interesting variety of small seminar classes taught by motivated faculty, individualized attention from a dedicated staff, and a vibrant student-directed social life.

For more information about these opportunities, visit the [Hicks Honors College website](#).

Admission to the Hicks Honors College

Application: There are two ways to apply to the Hicks Honors College. You may apply when you are filling out your application to UNF, or you may apply after you have been accepted to UNF.

Students who are accepted typically display community engagement and passions outside of academics. We are looking for well-rounded students who are able to balance high engagement and academic success.

Our application is available online through the University of North Florida application, or (once you have been accepted) your myWings account.

If you have any Honors admissions questions, please contact Honors at honors@unf.edu or (904) 620-2649.



Course Designations

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and by participating nonpublic institutions to facilitate the transfer of courses between participating institutions. Courses are identified with an alphabetic and numeric coding system. The alphabetic abbreviation identifies the course content. The numbers have the following meaning:

Course Designations

1000 and 2000 series	Freshman- or sophomore-level courses
3000 and 4000 series	Junior- or senior-level courses
5000 series	Beginning graduate-level courses
6000 series	Graduate-level courses
7000 series	Doctoral-level courses

View a more detailed explanation of the [Statewide Course Numbering System](#).



Course schedule search:

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Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and by participating nonpublic institutions. The main purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the SCNS website at <http://scns.fldoe.org> to obtain course descriptions and specific information about course transfer between participating Florida institutions.

Each participating institution controls the title, credit and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to the type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier

Prefix	Level Code	Century Digit	Decade Digit	Unit Digit	Lab Code
	(first digit)	(second digit)	(third digit)	(fourth digit)	

ENC	1	1	0	1	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and the same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in *Exceptions to the General Rule for Equivalency*.

For example, a freshman composition skills course is offered by 84 different public and nonpublic postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community or State college and the same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. Because ENC 1101 is equivalent to ENC 2101, as student is not required to

take ENC2101 again. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses are exempt from the guarantee of transfer for equivalent courses rule. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. Transferability is at the discretion of the receiving institution. The following courses are exceptions to the general rule for course equivalencies and may not transfer:

1. Courses not offered by the receiving institution
2. Courses offered prior to the established transfer date of the course in question (for courses at non-regionally accredited institutions)
3. Courses in the _900-999 series are not automatically transferable, and must be evaluated individually; these include such courses as Special Topics, Experimental, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations
4. Applied academics for adult education courses
5. Graduate courses
6. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999
7. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable; these courses need evidence of achievement (i.e., portfolio, audition, interview, etc.)

Courses at Non-Regionally Accredited Institutions

The [SCNS web page](#) contains a report entitled “Courses at Non-Regionally Accredited Institutions” that includes a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Office of Records and Registration, University of North Florida — Phone: (904) 620-5555,

Fax: (904) 620-2414, email: records@unf.edu or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, 325 West Gaines Street, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or at <http://scns.fldoe.org>.

Community-Based Transformational Learning Courses

Community-based transformational learning (CBTL) at UNF refers to intentionally designed, coordinated and executed experiences in authentic community-based settings that address real-world needs and problems. CBTL enriches and deepens academic learning while simultaneously benefiting the community(ies) in which activities are embedded.

Students will encounter a variety of CBTL courses across virtually every discipline and major. At UNF, there are 5 major categories or gateways that describe the CBTL activities students may experience through courses:

- [Outreach and Volunteering](#)
- [Community-Based Immersion](#)
- [Community-Based Instruction](#)
- [Internships and Apprenticeships](#)
- [Community-Based Research](#)

The Center for Community-Based Learning has additional information about Community-Based Transformational Learning and the 5 CBTL Gateways at www.unf.edu/ccbl.

Undergraduate Courses

Brooks College of Health

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Departments

Brooks College of Health	Nursing
Clinical & Applied Movement Sc	Nutrition & Dietetics
Health Administration	Public Health

Coggin College of Business

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Departments

Accounting & Finance	Management
Economics and Geography	Marketing & Logistics

College of Arts and Sciences

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Departments

Art, Art History, and Design	Languages, Lits., and Cultures
Arts & Sciences	Mathematics & Statistics
Biology	Music
Chemistry	Philosophy & Religious Studies
Communication	Physics
Criminology & Criminal Justice	Polit Science & Public Admin
English	Psychology
History	Soc, Anthro, & Social Wk

College of Computing, Engineering, and Construction

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Departments

Civil Engineering	Electrical Engineering
Computing	Mechanical Engineering
Construction Management	

College of Education and Human Services

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Departments

Education & Human Services	Ldrship, Sch Counsel, Spt Mgmt
Except, Deaf & Interpreter Ed.	Teaching, Learning & Curric

Hicks Honors College

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Departments

Honors Program	
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University

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Departments

Undergraduate Studies	
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Graduate Courses

Brooks College of Health

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Departments

Clinical & Applied Movement Sc	Nutrition & Dietetics
Health Administration	Physical Therapy
Nursing	Public Health

Coggin College of Business

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Departments

Accounting & Finance	Management
Economics and Geography	Marketing & Logistics

College of Arts and Sciences

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Departments

Biology	Music
Communication	Philosophy & Religious Studies
Criminology & Criminal Justice	Physics
English	Polit Science & Public Admin
History	Psychology
Languages, Lits., and Cultures	Soc, Anthro, & Social Wk
Mathematics & Statistics	

College of Computing, Engineering, and Construction

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Departments

Civil Engineering	Electrical Engineering
Computing	Mechanical Engineering
Construction Management	

College of Education and Human Services

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Departments

Except, Deaf & Interpreter Ed.	Teaching, Learning & Curric
Ldrship, Sch Counsel, Spt Mgmt	

Undergraduate Programs

Brooks College of Health

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Majors

Health Administration - Aging Services, BHA	Nursing - Nursing-RN, BSN
Health Administration, BHA	Nursing - Prelicensure Accel. Nursing, BSN
Health Science - Exercise Science, BSH	Nursing - Prelicensure Nursing, BSN
Health Science - Interdisciplinary Hlth Studies, BSH	Nutrition & Dietetics - Community Nutrition and Food, BS
Health Science - Public Health, BSH	Nutrition & Dietetics - Didactic Program in Dietetics, BS
Nursing - Freshman Admit Nursing (FAN), BSN	

Minors

Environmental Studies	Health Education
Food Systems & Sustainability	Public Health
Global Health	

Coggin College of Business

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Majors

Accounting, BBA	International Business - KEDGE to UNF, BBA
Business Intelligence, BBA	International Business - UNF to Alicante, BBA
Business Management, BBA	International Business - UNF to Bremen, BBA
Economics, BA	International Business - UNF to KEDGE, BBA
Economics, BBA	International Business - UNF to UV, BBA
Finance, BBA	International Business - UV to UNF, BBA
Financial Planning, BBA	International Business, BBA

International Business - Alicante to UNF, BBA	Marketing, BBA
International Business - Bremen to UNF, BBA	Transportation and Logistics, BBA

Minors

Business Administration	Finance
Business Management	GIS and Economic Geography
Digital Marketing	Human Resource Management
Digital Mktng & Analytics	International Business
Economics	Marketing
Entrepreneurship	

Certificates

Financial Analytics Cert., CU	
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College of Arts and Sciences

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Majors

Anthropology, BA	Music Performance - Music Technology & Production, BM
Art History, BA	Music Performance - Music-Classical Piano, BM
Behavioral Neuroscience, BS	Music Performance - Music-Classical Voice, BM
Biology - Coastal and Marine Biology, BS	Music Performance - Music-Harp, BM
Biology - Coastal Environmental Science, BS	Music Performance - Music-Strings, BM
Biology - Ecology and Evolution Biology, BS	Music Performance - Music-Woodwinds, Brass, Percus, BM
Biology - Molecular/Cell Bio. & Biotech, BS	Music Performance - Piano Performance and Pedagogy, BM
Biomedical Sciences, BS	Philosophy - General Philosophical Studies, BA
Chemistry - Biochemistry, BS	Philosophy - Legal-Political-Social Studies, BA
Chemistry - General, BS	Philosophy - Studies in Applied Ethics, BA
Chemistry - Materials Chemistry, BS	Physics - Astrophysics, BS

Chemistry - Pre-Medical Professions, BS	Physics - Civil Engineering, BS
Communication - Advertising, BS	Physics - Computing Emphasis, BS
Communication - Digital Video Production, BS	Physics - Electrical Engineering, BS
Communication - Multimedia Journalism, BS	Physics - Materials Science, BS
Communication - Public Relations, BS	Physics - Mechanical Engineering, BS
Communication Studies, BA	Physics - Pre-Medical Physics, BS
Criminal Justice, BA	Physics, BS
English, BA	Political Science - American Politics, BA
Fine Arts - Ceramics, BFA	Political Science - General Political Science, BA
Fine Arts - Painting, Drawing, Printmaking, BFA	Political Science - Int'l Rel/Comparative Politics, BA
Fine Arts - Photography, BFA	Political Science - Public Admin/Public Policy, BA
Fine Arts - Sculpture, BFA	Political Science - Public Law, BA
French and Francophone Studies, BA	Psychology - Child Psychology, BA
Graphic Design & Digital Media, BFA	Psychology - Child Psychology, BS
History, BA	Psychology, BA
Interdisciplinary Studies, BA	Psychology, BS
International Studies, BA	Religious Studies, BA
Mathematics - Applied Mathematics, BS	Social Work, BSW
Mathematics - Discrete Analysis, BS	Sociology, BA
Mathematics, BA	Spanish, BA
Mathematics, BS	Statistics - Actuarial Science, BS
Music Education, BME	Statistics, BA
Music Jazz Studies, BM	Statistics, BS

Minors

African Amer Studies/Diaspora	Law and Philosophy
Ancient Studies	Literature
Anthropology	Mass Communication
Applied Statistics	Math for non-math majors
Art History	Mathematical Science

Asian Studies	Painting, Drawing, Printmaking
Biology	Philosophy
Ceramics	Photography
Chemistry	Physics
Child Welfare	Political Campaigns
Chinese	Political Science
Communication Studies	Professional & Public Writing
Creative Writing	Psychology
Criminal Justice	Public Administration
Culture and Philosophy	Religious Studies
Digital Humanities	Sculpture
Film	Social Welfare
French	Sociology
Gender Studies	Spanish
History	Statistics
Interdisciplinary Studies	Statistics for non-math majors
International Studies	Studies in Applied Ethics
Jewish Studies	Urban & Metropolitan Studies

Certificates

Biotechnology Certificate, CU	Performers Certificate Program, CU
Conducting Certificate, CU	Post-Bacc Pre-Med Certificate, CB
Joint Stat Analy Cert with SAS, CU	Sacred Music Certificate, CU
Music Technology Certificate, CU	Spanish for the Professions, CU
Performers Certificate Program, CB	

College of Computing, Engineering, and Construction

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Majors

Advanced Manufacturing, BS	Computing & Info Sciences - Data Science, BS
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Building Construction - Residential Construction, BS	Electrical Engineering, BSEE
Building Construction , BS	Information Science, BS
Civil Engineering - Coastal and Port Engineering, BS	Information Systems, BS
Civil Engineering, BS	Information Technology, BS
Computer Science, BS	Mechanical Engineering, BS

Minors

Computing	Construction Management
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Certificates

BCM International Certificate, CU	Coastal Port Eng. Certificate, CU
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College of Education and Human Services

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Majors

ASL/English Interpreting - Community Interpreting, BS	Middle School Education - Math/Science Option, BAE
ASL/English Interpreting - Educational Interpreting, BS	Science Education - Biology (6-12), BAE
Deaf Education, BAE	Science Education - Chemistry (6-12), BAE
Early Childhood Education - Early Childhood Development, BAE	Science Education - Physics (6-12), BAE
Early Childhood Education - Prek-Primary Licensure, BAE	Social Studies Education - Social Studies (6-12), BAE
Elementary Education - Elementary Education (K-6), BAE	Special Education - Disability Services, BAE
English Education - English (6-12), BAE	Special Education - Exceptional Student Education, BAE
Math Education - Math (6-12), BAE	Sport Management, BS

Minors

Amer Sign Lang/Deaf Studies	Leadership
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Community Sport & Tourism	Learning Design and Technology
Deaf Education	Professional Education
Disability Services	Sport Management
Early Childhood Education	TESOL
Fitness Management	

Certificates

Computer Sc HS Teachers Cert, CU	International Ed. Certificate, CB
Deaf Ed Post-Bac Certificate, CB	Teaching English Abroad, CU

Graduate Programs

Brooks College of Health

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Majors

Anesthesiology Nursing, DNP	Nursing - Nursing Education, MSN
Athletic Training, MS	Nursing - Psychiatric/Mental Health NP, DNP
Clinical Mental Health Couns, MS	Nursing, DNP
Clinical Nutrition - Advanced Practice, DCN	Nutrition & Dietetics - Dietetic Internship, MS
Exec Health Administration, MHA	Nutrition & Dietetics - Dietetic Professional Studies, MS
Health Administration, MHA	Physical Therapy, DPT
Health Science - Kinesiology/Lifestyle Medicine, MSH	Public Health - Epidemiology, MPH
Nursing - Leadership & Administration, MSN	Public Health - Social and Behavioral Science, MPH
Nursing - Nurse Practitioner (Family), DNP	

Certificates

AAT in Counseling Certificate, CB	Health Informatics Certificate, CB
App Pub Hlth & Med Ed Rsch, CB	Mental Health Sexology, CB
Global Health Admin Cert, CB	Psychiatric Mental Health, CM
Global Health Certificate, CB	Public Health Certificate, CB

Coggin College of Business

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Majors

Accounting - Taxation Concentration, MACC	General Business - International Business, MBA
Accounting, MACC	General Business - Logistics, MBA

Business Analytics, MS	General Business - Management Applications, MBA
General Business - Accounting, MBA	General Business - Marketing Analytics, MBA
General Business - Construction Management, MBA	General Business - Marketing, MBA
General Business - e-Business, MBA	General Business - Sports Management, MBA
General Business - Economics and Geography, MBA	General Business, MBA
General Business - Finance Concentration, MBA	Logistics & Supply Chain Mgmt, MS
General Business - GlobalMBA, MBA	Management, MS

Certificates

Business Analytics, CB	Financial Analytics Cert-Grad, CB
E-Business Certificate, CB	

College of Arts and Sciences

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Majors

Biology - Biomedical Sciences Non-Thesis, MS	Music Education - Pedagogy and Research, MME
Biology, MA	Music Education - Professional Education, MME
Biology, MS	Music Performance - Conducting, MM
Communication Management - Business, MS	Music Performance - Jazz Studies, MM
Communication Management - Leadership, MS	Music Performance - Piano, MM
Communication Management - Nonprofit Management, MS	Music Performance - Strings, MM
Communication Management - Public Health, MS	Music Performance - Voice, MM
Communication Management - Public Management, MS	Music Performance - Woodwinds, Brass, & Percussion, MM
Criminal Justice, MSCJ	Psychological Science, MS
English - Composition and Rhetoric, MA	Public Administration - Generalist Option, MPA
English, MA	Public Administration - Health Administration, MPA

History - Non-Thesis, MA	Public Administration - Local Government Policy & Adm, MPA
History - Thesis, MA	Public Administration - National Security, MPA
International Affairs, MA	Public Administration - Non-Profit Management, MPA
Material Science & Engineering, MS	Public Administration - Public Policy, MPA
Mathematical Science - Mathematics, MS	Social Work - Advanced Standing, MSW
Mathematical Science - Statistics, MS	Social Work - Traditional Program, MSW

Certificates

Applied Mathematics, CB	Nonprofit Management Cert, CB
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Cognates

Public Management Cognate	
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College of Computing, Engineering, and Construction

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Majors

Civil Engineering, MSCE	Computing & Info Sciences - Information Sys. (Non-Thesis), MS
Coastal and Port Engineering, MSCE	Computing & Info Sciences - Information Systems (Thesis), MS
Computing & Info Sciences - Computer Science (Non-Thesis), MS	Construction Management - Executive Thesis Option, MS
Computing & Info Sciences - Computer Science (Thesis), MS	Construction Management - Thesis Option, MS
Computing & Info Sciences - Cybersecurity (Non-Thesis), MS	Construction Management, MS
Computing & Info Sciences - Cybersecurity (Thesis), MS	Electrical Engineering, MSEE
Computing & Info Sciences - Data Science (Non-Thesis), MS	Material Science & Engineering, MS
Computing & Info Sciences - Data Science (Thesis), MS	Mechanical Engineering, MSME

College of Education and Human Services

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Majors

ASL/English Interpreting - Educational Interpreting, MS	Educational Leadership, EDS
ASL/English Interpreting - General Practice, MS	Elementary Education - Elementary STEM, MED
ASL/English Interpreting - Interpreting Pedagogy, MS	Elementary Education - K-12 Reading Endorsement, MED
Counselor Education - School Counseling, MED	Elementary Education - Reading & Adv Literacy, MED
Curriculum and Instruction - Advanced Secondary Ed, MED	Elementary Education - Tch Eng/Speakers of Other Lang, MED
Curriculum and Instruction - Early Childhood Ed Leadership, MED	Elementary Education, MAT
Curriculum and Instruction - Early Childhood Education, MED	Exceptional Student Education, MAT
Curriculum and Instruction - Elementary STEM, MED	Higher Education Admin. - Collegiate Athletics, MS
Curriculum and Instruction - K-12 Reading Endorsement, MED	Higher Education Admin. - General Higher Education, MS
Curriculum and Instruction - Reading & Adv Literacy, MED	Higher Education Admin. - International Programs, MS
Curriculum and Instruction - TESOL, MED	Higher Education Admin. - Non-Profit Management, MS
Curriculum and Instruction, EDD	Higher Education Admin. - Student Affairs, MS
EdTech, Training & Dev, MS	Secondary Education, MAT
Educational Leadership - Athletic Administration, MED	Special Education - Applied Behavior Analysis, MED
Educational Leadership - School Leadership, MED	Special Education - Disability Services, MED
Educational Leadership, EDD	Special Education - Exceptional Student Education, MED

Certificates

Adv. Secondary Instruction, CB	K-12 Reading Endorsement, CB
Applied Behavior Analysis, CB	Reading and Advanced Literacy, CB
Cert Partner Ind Disabil & Fam, CB	Sec Teach Thnk & Dec Mak Cert, CB
Early Childhood Education Cert, CB	Sport Management, CB
Educational Leadership Cert, CM	Teacher Inquiry, CB
Elementary STEM Education, CB	Teacher Leader and Mentor Cert, CB
Graduate TESOL Certificate, CB	TESOL-EdTech Certificate, CB
International Ed. Certificate, CB	Whole Child Graduate Cert., CB

Accelerated Bachelor's to Master's Pathways

UNF provides exceptional undergraduate students with the opportunity to complete the requirements for both the bachelor's and master's degrees at an accelerated pace. Accelerated pathways allow students to get a head start on their graduate education by taking graduate courses during their junior and senior undergraduate years. Depending on the specific pathway, up to 12 credit hours of graduate work may count toward a baccalaureate degree, thus reducing the time it takes to get both degrees.

Eligibility

Basic eligibility requirements are below, however, programs may have additional requirements. Please check with your advisor.

1. Junior status
2. Completion of at least 15 undergraduate hours in the major
3. Minimum undergraduate GPA of 3.00 in the major
4. Minimum undergraduate GPA of 3.00 overall

Process

1. Meet with the undergraduate and graduate program advisors to establish a curricular pathway to both degrees
2. Consult with Financial Aid, and if an international student, with the International Center
3. Meet with your academic advisor to submit the Undergraduate Accelerated Track Application
4. Work towards completion of bachelor's degree
5. In final undergraduate semester, apply for graduation and meet with your academic advisor to submit the Graduate Accelerated Track Application

Please note, the graduate application must be for admission to the graduate program within three consecutive terms immediately after graduating with a bachelor's degree from UNF.

Accelerated Pathways

Bachelors Degree to Masters in Public Administration Fast-track +

Students in the UNF undergraduate Political Science Major, as well as other UNF majors, may apply for admission to the undergraduate Public Administration Fast Track minor.

The bachelor's degree and MPA programs normally require up to 162 hours to complete, 120 credit hours for the undergraduate degree and 42 credit hours for the graduate degree. However, qualified students may count a maximum of 12 graduate credit hours towards both degrees.

Students complete the undergraduate degree first, taking no more than 12 credit hours of graduate coursework, which will then be used to satisfy both degrees.

Approved Curriculum

PREREQS (12 Credits)

- POS 2041 American Government (3 Credits)
- POS3733 Research Design for Poli Sci (3 Credits)
- POS3734 Research Analysis for Poli Sci (3 Credits)
- PAD4003 Public Administration (3 Credits)

MINOR REQUIREMENTS (12 Credits)

- PAD6060 Public Admin in Modern Society (3 Credits)
- SELECT TWO MPA CORE CLASSES BELOW
 - PAD 6106 Administration Behavior in Public Organizations (3 Credits)
 - PAD 6436 Ethics, Leadership and Accountability in Public Service (3 Credits)
 - PAD 6417 Human Resources for Public and Nonprofit Management (3 Credits)
 - PAD6227 Government Budget and Finance (3 Credits)
- SELECT ONE (3 Credits)
 - Elective or concentration class with approval of the MPA Director.

Additional Admission Criteria

No additional admission criteria.

Special Notes

The Public Administration Fast Track undergraduate minor does not guarantee admission to the MPA program. Subsequent application for admission to the Master of Public Administration program, admission requirements for the program must also be met. Fast Track MPA students will need 33 graduate credits to complete the MPA, with PAD6106 Admin. Behavior in Public Organizations waived from the core requirements.

Bachelor of Arts in International Studies to Master of Arts International Affairs +

The BA and MA degree programs normally require 156 hours to complete, 120 credit hours for the undergraduate degree and 36 credit hours for the graduate degree. However, qualified students may count a maximum of 12 graduate credit hours towards both degrees. Students complete the undergraduate degree first, taking no more than 12 credit hours of graduate coursework, which will then be used to satisfy both degrees.

Approved Curriculum

Students in this accelerated path may select any graduate courses from the program of study for the M.A. in International Affairs (both core courses and electives), according to interest and scheduling. These courses will generally be double-counted as major electives for the undergraduate degree, but in some cases may substitute for courses in the core, at the discretion of the director of International Studies.

Additional Admission Criteria

- Earn a GPA of 3.5 in the major.
- Complete INS3003 Introduction to International Studies and at least four other courses within the major with grades of B or better.
- Meet with the director of the M.A. in International Affairs, before applying.

Special Notes

Students typically will apply in the second semester of their junior year, and if accepted, take one graduate course each semester of their senior year. Timing may vary, however, depending on individual circumstances.

A student who has met the foreign language requirement for the B.A. in International Studies has already met the foreign language requirement for the M.A. in International Affairs.

Students in this accelerated path may also pursue Honors in the Major in International Studies.

Bachelor of Arts in International Studies to Master of Social Work +

When pursued separately, the B.A. in International Studies requires 120 hours and the MSW requires 60, for a total of 180 hours. Through this accelerated path, by double-counting four graduate courses, this total could be reduced to 168. In other words, a student completes the 60 required hours for the MSW, but can reduce the number of undergraduate courses required for the B.A. in International Studies by four.

Approved Curriculum

Students accepted in this accelerated program may take a maximum of 12 graduate credit hours while still having undergraduate status. Those graduate credit hours will be double-counted towards both the BA in International Studies and the MSW.

The courses to be double-counted toward the two degrees must be approved jointly by the director of International Studies and the director of the MSW program.

Additional Admission Criteria

- Earn a GPA of 3.5 in the major.
- Complete INS3003 Introduction to International Studies and at least four other courses within the major with grades of B or better.
- Provide letters of recommendation from two UNF faculty members.
- Meet with the director of the MSW program before applying.

Special Notes

Students typically will apply in the second semester of their junior year, and if accepted, take two graduate courses during each semester of their senior year. Timing may vary, however, depending on individual circumstances

Students in this accelerated path may also pursue Honors in the Major in International Studies.

Bachelor of Arts in International Studies to Graduate Certificate in Teaching English to Speakers of Other Languages +

Students accepted in this accelerated program may take a maximum of 9 graduate credit hours while still having undergraduate status. Those graduate credit hours will be double-counted towards both the BA in International Studies and the Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL).

Approved Curriculum

Students in this accelerated path take TSL6345 ESOL Methods, TSL6142 ESOL Curriculum Development, and any one of the other six required courses for the certificate. These courses will be double-counted as electives for the undergraduate degree.

Additional Admission Criteria

- Earn a GPA of 3.5 in the major.
- Complete INS3003 Introduction to International Studies and at least four other courses within the major with grades of B or better.
- Provide letters of recommendation from two UNF faculty members.
- Meet with the director of the Graduate Certificate in TESOL, before applying.

Special Notes

Students in this accelerated path may also pursue Honors in the Major in International Studies.

Students must be aware, however, that financial aid generally does not apply to graduate certificate programs, or may not pay the full cost of the graduate tuition. For assistance in understanding the

financial implications of pursuing this path, students should consult on an individual basis with One-Stop Student Services.

Acceptance into this accelerated path does not guarantee a student's eventual admission into the graduate certificate program. Rather, the student must do both of the following:

- Earn a grade of B or better in all graduate courses taken while an undergraduate.
- Apply for admission into the Graduate Certificate in TESOL program, upon completion of the requirements of the B.A. in International Studies.

Bachelor of Arts in English to Master of Arts in English

+

The BA and MA degree programs normally require 153 hours to complete, 120 credit hours for the undergraduate degree and 33 credit hours for the graduate degree. However, qualified students may count a maximum of 9 graduate credit hours towards both degrees. Students complete the undergraduate degree first, taking no more than 9 credit hours of graduate coursework, which will then be used to satisfy both degrees.

Approved Curriculum

Review the [approved curriculum](#).

Additional Admission Criteria

- Major in English.
- Earn a 3.5 GPA in your English classes.
- Complete 21 hours of English major requirements, including ENG 4013 Approaches to Literary Interpretation, before applying.
- Meet with COAS English Undergraduate Advisor and English Graduate Coordinator at the beginning of your junior year.
- Solicit two UNF Department of English faculty to write recommendation letters.

Special Notes

The GRE is not required for students who participate in the accelerated BA-MA English program.

Bachelor of Music to Master of Music in Music Education

+

The BM and MME degree programs normally require 159 hours to complete, 120 credit hours for the undergraduate degree and 39 credit hours for the graduate degree. However, qualified students may count a maximum of 6 graduate credit hours towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credit hours of graduate coursework, which will then be used to satisfy both degrees.

Additional Admission Criteria

Students who have achieved upper division status (passed all four semesters of theory, aural theory, and class piano, and passed sophomore barrier jury or equivalent) may speak to Music Education faculty to submit an application. Students must have a GPA of 3.25 or above, a record of professionalism in academics and personal conduct, passing scores on all portions of the FLDOE General Education exam, and a recommendation from other music faculty members.

Special Notes

Educators who have a Master's degree are:

- More effective
- Eligible for a higher salary in most school districts
- Able to work as a department chair or administrator
- Able to work as an instructor at the collegiate level

Bachelor of Science in Biomedical Sciences to Master of Science in Biology, Biomedical Sciences Track +

The combined BS-MS degree program is 156 credits, 120 for the undergraduate degree and 36 credits for the master's degree. However, up to 12 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 12 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

The BS free electives can be substituted by graduate level courses (up to a maximum of 12), which can be counted towards both the BS and the MS Degrees.

A. Core courses: 14 credits

MCB5505	Advanced Virology	3
PCB6236	Advanced Cancer Biology	3
PCB5235	Cellular Immunology	3
PCB5845	Cellular and Molecular Neuroscience	3
BSC5930	Biology Seminar (course will be repeated twice)	1

Additional Admission Criteria

A UNF GPA 3.2 or above to enter

Identify a research advisor and submit a Faculty Sponsor Form. The Faculty Sponsor Form is available in the Department of Biology.

Special Notes

Students must maintain a 3.2 UNF GPA to complete the program.

The GRE is not required for students who participate in the BS/MS Biomedical Sciences program

Bachelor of Science in Mechanical Engineering to Master of Science in + Mechanical Engineering

The combined BSME-MSME degree program is 150 credits, 120 for the undergraduate degree and 30 credits for the master's degree. However, up to 9 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 9 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Participants should contact the Program Director for guidance on the appropriate graduate courses to take.

Additional Admission Criteria

No additional admission criteria.

Special Notes

Mechanical engineering is concerned with energy and its transformations and the design of objects and structures that move. Mechanical engineers are responsible for conceiving, designing, manufacturing, testing, and marketing devices and systems that alter, transfer, transform and utilize the energy form that ultimately causes motion. Employment opportunities range over product design, development, manufacturing, sales, management, teaching, and research. Employers include industrial companies, consulting firms, and government agencies and non-governmental organizations. The UNF Office of Career Services provides information on companies seeking mechanical engineering graduates for permanent positions or current students for employment in cooperative education positions.

Bachelor of Science in Sport Management to Master of Education in + Athletic Administration

The combined BS-MEd, Athletic Administration degree program is 159 credits, 120 for the undergraduate degree and 39 credits for the master's degree. However, up to 6 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Students who are admitted into the accelerated program will select 2 of the 5 graduate courses listed below to be applied towards both degrees.

- SPM5206 Ethics and Issues in Sport (3 credits)
- SPM5308 Marketing and Promotion in Sport (3 credits)
- SPM5506 Sport Finance (3 credits)
- SPM5605 Sport Governance and Compliance (3 credits)
- SPM6106 Sport Facility and Risk Management (3 credits)

Additional Admission Criteria

- Completion of at least 15 undergraduate hours in their major.
- Minimum undergraduate GPA of 3.40 in their major, 3.0 overall GPA
- Letter of recommendation from a faculty member in their major.

Special Notes

This accelerated program also serves as the Honors in the Major for Sport Management.

Bachelor of Science in Computer Science to Master of Science in Computing and Information Sciences +

The combined BS-MS degree program is 150 credits, 120 for the undergraduate degree and 30 credits for the master's degree. However, up to 6 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing and CEN6074 Information Assurance to satisfy up to 6 credits of the required 9 major electives. The Computer and Information Sciences Oral Exit Requirement is also

applicable to accelerated students.

Additional Admission Criteria

A major GPA of 3.0 or higher is required.

Special Notes

Students will be required to enroll into the Master's of Science program immediately following their Bachelor's of Science graduation term, excluding summer. Failing to follow this continuous enrollment requirement shall disqualify the student from double counting graduate credits and they will be required to take additional graduate courses to satisfy graduate requirements.

Bachelor of Science in Information Science to Master of Science in Computing and Information Sciences +

The combined BS-MS degree program is 150 credits, 120 for the undergraduate degree and 30 credits for the master's degree. However, up to 6 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing and CEN6074 Information Assurance to satisfy up to 6 credits of the required 9 major electives. The Computer and Information Sciences Oral Exit Requirement is also applicable to accelerated students.

Additional Admission Criteria

A major GPA of 3.0 or higher is required.

Special Notes

Students will be required to enroll into the Master's of Science program immediately following their Bachelor's of Science graduation term, excluding summer. Failing to follow this continuous enrollment requirement shall disqualify the student from double counting graduate credits and they will be required to take additional graduate courses to satisfy graduate requirements.

Bachelor of Science in Information Systems to Master of Science in Computing and Information Sciences +

The combined BS-MS degree program is 150 credits, 120 for the undergraduate degree and 30 credits for the master's degree. However, up to 6 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing and CEN6074 Information Assurance to satisfy up to 6 credits of the required 9 major electives. The Computer and Information Sciences Oral Exit Requirement is also applicable to accelerated students.

Additional Admission Criteria

A major GPA of 3.0 or higher is required.

Special Notes

Students will be required to enroll into the Master's of Science program immediately following their Bachelor's of Science graduation term, excluding summer. Failing to follow this continuous enrollment requirement shall disqualify the student from double counting graduate credits and they will be required to take additional graduate courses to satisfy graduate requirements.

Bachelor of Science in Information Technology to Master of Science in + Computing and Information Sciences

The combined BS-MS degree program is 150 credits, 120 for the undergraduate degree and 30 credits for the master's degree. However, up to 6 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing and CEN6074 Information Assurance to satisfy up to 6 credits of the required 9 major electives. The Computer and Information Sciences Oral Exit Requirement is also applicable to accelerated students.

Additional Admission Criteria

A major GPA of 3.0 or higher is required.

Special Notes

Students will be required to enroll into the Master's of Science program immediately following their Bachelor's of Science graduation term, excluding summer. Failing to follow this continuous enrollment requirement shall disqualify the student from double counting graduate credits and they will be required to take additional graduate courses to satisfy graduate requirements.

Bachelor of Science in Computing and Information Sciences to Master of + Science in Computing and Information Sciences

The combined BS-MS degree program is 150 credits, 120 for the undergraduate degree and 30 credits for the master's degree. However, up to 6 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 6 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing and CEN6074 Information Assurance to satisfy up to 6 credits of the required 9 major electives. . The Computer and Information Sciences Oral Exit Requirement is also applicable to accelerated students.

Additional Admission Criteria

A major GPA of 3.0 or higher is required.

Special Notes

Students will be required to enroll into the Master's of Science program immediately following their Bachelor's of Science graduation term, excluding summer. Failing to follow this continuous enrollment requirement shall disqualify the student from double counting graduate credits and they will be required to take additional graduate courses to satisfy graduate requirements.

Bachelor of Health Administration to Master of Health Administration +

The combined BHA-MHA degree program is 165 credits, 120 for the undergraduate degree and 45 credits for the master's degree. However, up to 9 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 9 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees.

Approved Curriculum

Participating students will enroll in HSA6520 Managerial Epidemiology, HSA6905 Policy and Law in Health Care and HSA6342 Healthcare Human Resources and must complete the courses with a B or higher to be eligible for the MHA program.

Additional Admission Criteria

A major GPA of 3.0 or higher is required

Special Notes

The GRE requirement will be waived for students who participating in the BHA to MHA accelerated program.

Bachelor of Arts in History to the Master of Arts in History +

The combined BA-MA degree program is 156 credits, 120 for the undergraduate degree and 36 credits for the master's degree. However, up to 3 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 3 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees

Approved Curriculum

Participating students should select one course from the 5000 or 6000 level Graduate Course (not Readings Seminar) in the following course prefixes: AFH AMH ASH ASN EUH HIS LAH WOH. The courses must be completed with a B or higher to be eligible for the MA program.

Special Notes

Participating students are also eligible for Honors in the Major. Students must also complete a minor from a list of approved minors, including those outside the college.

Bachelor of Science in Psychology to the Master of Science in Psychological Science +

The combined BS-MS degree program is 148 credits, 120 for the undergraduate degree and 28 credits for the master's degree. However, up to 10 graduate hours may be counted towards both degrees. Students complete the undergraduate degree first, taking no more than 10 credits of graduate coursework in their senior year, which will then be used to satisfy both degrees

Approved Curriculum

Participating students will take Research Design and Analysis (PSY6214), Colloquium (PSY6937), Supervised Research (PSY6910) and a Seminar in Racism, Discrimination and Marginalization

(PSY6780). Courses must be completed with a B or higher.

Additional Admission Criteria



- Minimum 3.2 undergraduate GPA in the major
- Minimum 3.2 GPA across Research Methods and two Experimental courses
- A letter of support from one faculty member to mentor the student in thesis

Special Notes

Ideally, the accelerated path will allow students to work in the same lab for 3-4 years. This increased time in the lab will undoubtedly serve the student in both skill development and products. Honors in the major is also associated with this BS-MS pathway.

General Education Program

General Education Quick Links

Educational Purpose

The overarching educational purpose of the General Education program is to provide students with opportunities to acquire and reinforce key intellectual competencies in:

- Writing effectively;
- Thinking critically;
- Reasoning and analyzing quantitatively; and
- Understanding and using the scientific method.

Students also have the opportunity to participate in experiential and integrative learning as part of their General Education coursework, including Transformational Learning Opportunities (TLOs), Community-Based Learning, Study Abroad experiences, or internships.

These competencies involve a complex set of skills that prepare students for specialized study in the major and the still more specialized study required at the graduate level. They are also the backbone of lifelong learning. What is more, as both educators and business leaders alike emphasize, these competencies are essential preparation for success in a world that relies on the ability to communicate expertly combined with highly developed skills in analyzing complex problems, scrutinizing their implications, and arriving at smart solutions.

Competencies Developed through the UNF General Education Curriculum

General Education courses provide opportunities for students to develop the competencies central to our curriculum. Students take many paths through the UNF General Education Program, depending on their interests and academic goals. Regardless of the specific paths students take, they all have multiple opportunities to develop the skills central to the curriculum. These skills are broadly transferrable, and both faculty and students in the General Education Program are encouraged to consider how General Education competencies can be used in diverse academic, professional, and civic contexts.

- [Program Requirements \(Competencies and Outcomes Course Options\)](#)
- [State Civic Literacy Requirement](#)

Writing Effectively: Students completing the UNF General Education Program will be able to produce writing that clearly addresses audiences and purposes; identify and use relevant and reliable source materials; and compose documents that adhere to generally accepted standards of English usage and stylistic standards of discipline-specific writing tasks.

- Thinking Critically: While Critical thinking is integral to all UNF General Education courses, we give these skills particular emphasis in courses in Humanities, Social Sciences, and Diversity and Difference.
 - Through Humanities and Social Sciences courses, students learn to explain and apply discipline-specific concepts; examine behavioral, social, and cultural issues from various points of view; analyze, evaluate, and appreciate cultural artifacts (such as texts, music, artworks, media productions, architecture); investigate the role of technology in shaping culture; examine different cultural traditions, institutions, and political and economic systems; use different qualitative methods of inquiry, and different kinds of argumentation and evidence; and reflect critically upon the human condition and experience.
 - Through courses in Diversity and Difference, students learn to critically reflect on their own social positions or cultural backgrounds; investigate systems that produce social inequality or cultural difference; articulate the perspectives of others; and apply knowledge of diversity and difference to issues outside the classroom.
- Analyzing and Reasoning Quantitatively and/or Using the Scientific Method: Students will be able to determine appropriate mathematical and computational models and methods in problem solving; understand mathematical, statistical, and computational concepts; apply mathematical and computational models and methods in problem solving; critically examine and evaluate scientific observation, hypothesis, and model construction; understand fundamental concepts, principles, and processes about the natural world; and use the scientific method to explain the natural world.
- Students who pursue an experiential or integrative learning opportunity will reflect critically on the transformative effects of a Community-Based Learning, Study Abroad, internship, or other such experience, considering how the experience led them to change their beliefs, attitudes, understanding, or behavior in some significant way. They should demonstrate

enhanced critical thinking skills as they consider and communicate how different types of knowledge relate to one another.

Assessment of Student Learning

The General Education program seeks to give students direct feedback about the extent to which they have developed the ability to write well, think critically, analyze and reason quantitatively, use the scientific method, and apply their knowledge in real world situations. To this end, faculty in the General Education Program aim to provide students with opportunities to learn how to reflect critically on their own work. They also assess student performance on key learning outcomes to learn where students succeed and struggle, and why. This allows us to continually improve our General Education curriculum.

Requirements

[Current General Education Program Requirements](#)

[Previous General Education Program Requirements: 2019-2020 and Earlier](#)

Hicks Honors College Program

Program Requirements

The Hicks Honors College curriculum is designed as a flexible, individualized program that encourages students to craft their own intellectually deep experience and have a rich co-curricular experience while engaging in critical reflection throughout.

In order to fulfill Honors at UNF:

1. Complete the 15-credit hour Hicks Honors Foundations curriculum (which will normally fulfill remaining General Education courses) or the equivalent.
2. Complete enriched upper-division Hicks Honors program by fulfilling the following three categories:
 - a. Successful completion of IDS 3924 Hicks Honors Pre-Capstone Symposium (0-1 ch)
 - b. One from the following types of experiences (note: these are illustrative not exhaustive):
 - i. Honors in the Major
 - ii. Hicks Fellowship
 - iii. Semester Abroad
 - iv. Minor in an unrelated field to the major (such as the Leadership Minor)
 - v. Other experiences/programs approved by the Hicks Honors College
 - c. Two from the following types of experiences (note: these are illustrative not exhaustive):
 - i. Honors seminar
 - ii. two language classes beyond major requirements
 - iii. present at an Honors or disciplinary conference
 - iv. publish a work of literature or art
 - v. Other experiences approved by the Hicks Honors College
3. Involvement in extensive co-curricular activities such as (either a or b):
 - a. a major leadership initiative approved by the Hicks Honors College, such as (but not limited to) Osprey Community Engagement Program, Environmental

Leadership Program, student government officer, etc.

- b. a variety of selected experiences approved by the Hicks Honors College, such as (but not limited to) completing an application for a competitive fellowship, participating in an honors service project or ambassadorship, serving in organizations on or off campus, etc.
4. Complete an Honors Capstone no sooner than two years before graduation.
 5. Complete an e-portfolio which demonstrates fulfillment of numbers 2-4 above.
 6. Have a UNF GPA of 3.2 or above at the time of graduation.



College-Level Communication and Computation Skills (Gordon Rule)

College-Level Communications and Computation Skills (Gordon Rule) State Rule 6A-10.030, applies to students who enroll in a Florida postsecondary institution, college or university after October 1982.

The communications component of the rule requires students to complete “six credit hours of English coursework and six credit hours of additional coursework in which the student is required to demonstrate college-level writing skills through multiple assignments.” Native UNF students completing the General Education program will meet this requirement through the completion of nine credit hours in English coursework, three credit hours in freshman core, and three credit hours in philosophy in which the student is required to demonstrate college-level writing skills. UNF will accept as Gordon Rule courses those designated as Gordon writing from other Florida SUS and community college institutions. Course syllabi may be required to evaluate whether a course transferred from a private and/or out-of-state institution complies with the “college-level writing skills through multiple assignments” criteria.

The computation component requires that students must complete six credit hours in mathematics course work at the level of college algebra or higher. Only one course may be selected from Elementary Statistics or Symbolic Logic.

All communications and computation skills courses must be completed with a grade of “C” or higher. Completion of the Associate in Arts degree at a state university or Florida public community college will satisfy these requirements.

A list of University of North Florida courses which meet the Gordon Rule communications and computation requirements is provided below.

Communication Gordon Rule Courses

*These courses fulfill the English portion of the Gordon Rule requirement. All other courses fulfill the additional Gordon Rule writing requirement.

Gordon Rule Courses

Course Number	Course Title
AMH 3554	(GW) Law @ Social Resp.
AML 3621	(GW) Black American Literature
*CRW 2000	(GW) Introduction to Creative Writing
*CRW 2100	(GW) Introduction to Fiction Writing
*CRW 2201	(GW) Introduction to Creative Non-Fiction
*CRW 2300	(GW) Introduction to Poetry Writing
*CRW 2400	(GW) Introduction to Playwriting
*CRW 2600	(GW) Introduction to Screenwriting
*CRW 2930	(GW) Special Topics in Creative Writing
CRW 3110	(GW) Fiction Workshop
CRW 3211	(GW) Creative Non-Fiction Workshop
CRW 3310	(GW) Poetry Workshop
CRW 3610	(GW) Screenwriting Workshop
*ENC 1101	(GW) College Writing
ENC 1102	(GW) The Informed Writer
ENC 1143	(GW) Introduction to Rhetoric and Narrative
*ENC 2210	(GW) Technical Writing
*ENC 2441	(GW) Writing Topics: Fine Arts
*ENC 2442	(GW) Writing Topics: Humanities
*ENC 2443	(GW) Writing Topics: Literature
*ENC 2450	(GW) Writing Topics: Natural Science
*ENC 2451	(GW) Writing Topics: Health
*ENC 2460	(GW) Writing Topics: Business
*ENC 2461	(GW) Writing Topics: Social Science

*ENC 2462	(GW) Writing Topics: Education
*ENC 2463	(GW) Writing Topics: Engineering
*ENC 2930	(GW) Special Topics in Composition
*ENC 3250	(GW) Professional Communications
ENC 3310	(GW) Writing Prose
HIS 3051	(GW) The Craft of the Historian
PHI 2010	(GW) Introduction to Philosophy
PHI 2100	(GW) Reasoning and Critical Thinking
PHI 2630	(GW) Contemporary Ethical Issue
WOH 1012	(GW) World History I
WOH 1022	(GW) World History II

Computation (Math) Gordon Rule Courses

Only *one* course may be selected from Elementary Statistics or Symbolic Logic. At least one course must have a mathematics prefix of MAA, MAC, MAD, MAS, MGF, MHF or MTG.

Course Number	Course Title
MAA 4200	G(M) Mathematical Analysis
MAA 4211	G(M) Advanced Calculus I
MAA 4212	G(M) Advanced Calculus II
MAA 4402	G(M) Complex Analysis
MAC 1101	G(M) Intensive College Algebra
MAC 1105	G(M) College Algebra
MAC 1114	G(M) Trigonometry
MAC 1147	G(M) Precalculus
MAC 2233	G(M) Calculus for Business
MAC 2311	G(M) Calculus I
MAC 2312	G(M) Calculus II
MAC 2313	G(M) Calculus III
MAC 2241	G(M) Calculus for Biology
MAD 3107	G(M) Discrete Mathematics
MAD 4401	G(M) Numerical Analysis
MAP 2302	G(M) Ordinary Differential Equations

MAP 4231	G(M) Operations Research
MAP 4341	G(M) Elementary Partial Differential Equations
MAS 3105	G(M) Linear Algebra
MAS 3203	G(M) Number Theory
MAS 4156	G(M) Vector Analysis
MAS 4301	G(M) Abstract Algebra I
MGF 1106	G(M) Finite Mathematics
MGF 1107	G(M) Explorations in Mathematics
MGF 1113	G(M) Mathematics for Teachers I
MGF 1114	G(M) Mathematics for Teachers II
MHF 3202	G(M) Foundations of Mathematics
MHF 3404	G(M) History of Mathematics
MTG 3203	G(M) Geometry for Middle School Teachers
MTG 3212	G(M) Modern Geometry
MTG 4302	G(M) Elementary Topology
PHI 3130	G(M) Symbolic Logic
STA 2014	G(M) Elementary Statistics for Health/Social Sciences
STA 2023	G(M) Elementary Statistics for Business
STA 3032	G(M) Probability and Statistics for Engineers
STA 3163	G(M) Statistical Methods I
STA 3164	G(M) Statistical Methods II
STA 4202	G(M) Design of Experiments
STA 4222	G(M) Design of Sample Surveys
STA 4321	G(M) Probability and Statistics
STA 4322	G(M) Statistical Theory
STA 4445	G(M) Applied Probability Models
STA 4502	G(M) Nonparametric Methods in Statistics
STA 4504	G(M) Categorical Data Analysis
STA 4664	G(M) Statistical Quality Control
STA 4945	G(M) Capstone Experience in Statistics

Note:

CLEP exams may not be used to satisfy Gordon Rule Writing. Only the subject exam in College Algebra or above may be used to

satisfy Gordon Rule Math. Passing CLEP scores are determined by the UNF Office of Admissions. General CLEP exams will not satisfy either Gordon Rule Writing or Gordon Rule Math.



Army Reserve Officers Training Corps (AROTC): Army Science Program

University of North Florida Army Reserve Officer Training Corps (UNF Army ROTC) is a program for student's whom want to know more about leadership and wishing to receive a commission as an officer in the United States Army. Graduating students who complete all four (4) years of UNF Army ROTC curriculum will receive a commission as a Second Lieutenant (2LT) in the United States Army, and will have the option of serving in one of three (3) components: active duty or in the United States Army, Reserve, or Army National Guard. UNF Army ROTC is a four-year program comprised of academic classes in leadership. Traditional cadets typically enroll in UNF Army ROTC as freshmen, but there are many options for sophomores and even incoming juniors to apply and complete the program as well.

UNF Army ROTC courses fit into most UNF academic programs as electives. Students normally take one course per semester along with their other classes. Freshmen and sophomores (MS1's and MS2's) begin with instruction in basic leadership principle, physical fitness, land navigation, and first aid. These classes are considered electives just like any other at UNF, and during this "try it and see" stage, there is no commitment required to enter the US Army.

Junior cadets (MS-3's) take advanced courses in tactics, leadership, and management. At this stage, they formally commit to the United States Army and compete nationally during Cadet Summer Training (CST) where events such as land navigation, tactics and physical fitness is the focus. During their senior (MS4) year, upper-classmen cadets receive advanced instruction in leadership principles,

advanced military skills, and management. They also serve as student-level supervisors of all of the other UNF ROTC cadets. Upon graduation from UNF, these outstanding men and women receive a commission as an Army Second Lieutenant.

Financial Benefits

UNF Army ROTC offers several opportunities for scholarships with full tuition/fees (or room and board up to \$10,000 per year). As a high school senior, students may compete for a 4-year scholarship at a national level. Please go to the application link at <http://www.goarmy.com/rotc/scholarships.html> to apply. Applications should be completed and submitted on-line no later than 10 Jan of a student's senior year. It is recommended that students apply as soon as they receive their ACT/SAT results. The sooner the better. Once on the campus as a UNF student, cadets meeting the academic and physical standards may apply for a 3-year or 2-year Army ROTC Campus Based Scholarship. Each pays full tuition, \$1,200 / year for books, plus a monthly stipend for living expenses. The monthly spending stipend is paid only during the ten months during spring and fall when school is in session. Freshmen receive \$300/month, sophomores \$350/month, juniors \$450/month, and seniors receive \$500/month. UNF Army ROTC Cadets may also choose to serve in the Army Reserve or National Guard "Simultaneous Membership Program" (SMP). As an SMP participant, the cadet is paid the rank of SGT in the Army Reserve or Florida National Guard unit and holds the duties and responsibilities of an officer.

Obligation to the US Army

Introductory or basic courses let the student "try out" the US Army without obligation. However, once a cadet accepts a scholarship or enters the advanced courses, they make a commitment to serve as an Army officer for 8 years upon graduation. Some cadets request full-time active duty assignments and serve initial tours of 3-4 years. Others elect to serve as part-time Army Reserve or National Guard Officers for 6-8 years while they pursue their civilian careers or advanced academic degrees.

What else does Army ROTC offer?

As an Army ROTC cadet, students have numerous opportunities to perfect leadership and military skills, which will serve them in the military and in the civilian world. During the school year, cadets

participate in one weekend field training exercise or “FTX”. The FTX involves small-group leadership challenges and adventure activities. After the junior year, cadets participate in a five-week summer leadership camp (Advanced Camp), followed by paid internship opportunities (CTLT) at Army posts in the U.S., Germany, and Korea. Many cadets also have summer opportunities for advanced military training schools such as Airborne, Air Assault, Mountain & Northern Warfare schools. Cadets also annually send a competitive team to the Army Ten Miller in Washington D.C. Cadet social activities include an annual Military Ball along with gatherings at local restaurants, and an end of semester barbecue and award ceremony.

How can Army ROTC benefit you?

Army ROTC will help you be successful during college and after graduation. You will gain the confidence and self-discipline necessary to succeed in college and impress employers when you graduate. As you progress, you will gain skills and experiences in leading activities, setting goals, managing people and resources, and making decisions in demanding circumstances. Additionally, you will earn opportunities for service-to-country as an officer, full-time on active duty or part-time as you pursue a civilian career.

How do enroll into UNF ARMY ROTC?

Enrolling in UNF Army ROTC is as easy as registering for any other UNF course. You may take any of the basic courses (freshman and sophomore years) without obligation. As an undergraduate or graduate student, you may qualify for advanced courses as long as you have two years of full-time study remaining before graduation. Students who enter ROTC after their sophomore year may attend a four week paid summer training course (Basic Camp), qualifying you to enter the junior year of Army ROTC or elect to complete United States Army Basic Training (BCT) to meet the prerequisite. We appreciate that there are many unique situations. Contact the ROTC office with specific questions.

Jacksonville University (JU), Florida State College of Jacksonville (FSCJ), and Edward Waters College (EWC) students are also fully eligible to participate in UNF ROTC. Students should consult their academic advisors for enrollment information.

Prior Service Students

If you are a veteran or are currently serving in the Army Reserve or National Guard, you may qualify to enter directly into the advanced course when you become an academic junior at the university. You may participate in ROTC without losing your Montgomery GI Bill or tuition assistance benefits. Contact the office prior to the start of your junior year, however.

How to get more information on UNF ARMY ROTC

UNF Army ROTC is located in Building 9, Schultz Hall, Suite 1129. Contact UNF ARMY ROTC at (904) 620-5711.



Army ROTC Courses

MSL 1001-Leadership and Personal Development (2 credits)

Co-requisite: MSL 1001L

This course introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Lessons are designed to maximize participation, inspire intellectual curiosity, stimulate self-study and encourage team building through military/life skills. Each student must also register for and attend a two-hour weekly leadership laboratory (MSL 1490L). Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL 1001L-Freshman Leadership Laboratory I (0 credits)

Co-requisite: MSL 1001

The Freshman Leadership Laboratory consists of a two-hour block of instruction directly supporting freshman classroom instruction. Cadets implement the initial classroom lessons in a real-world setting to form the building blocks of the Army's values, physical fitness, leadership and officership. Participation in at least one weekend field training exercise and two army physical fitness tests are required.

MSL 1002-Introduction to Tactical Leadership (2 credits)

Co-requisite: MSL 1002L

This course covers leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, and competencies in the context of practical, hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the Cadets through common experience and practical interaction are critical aspects of the MSL 1020 experience. Students must register for and attend a two-hour, weekly leadership laboratory (MSL 1492L). Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL 1002L-Freshman Leadership Laboratory II
(0 credits)

Co-requisite: MSL 1002

The Introduction to Tactical Leadership Laboratory consists of a two-hour block of instruction that directly supports freshman classroom instruction. This lab overviews leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, and competencies in the context of practical, hands-on, and interactive exercises.

MSL 2101-Individual Leadership Studies
(2 credits)

Co-requisite: MSL 2101L

This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army Leadership Requirements Model (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties, and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the Contemporary Operating

Environment (COE). Students must register for and attend a two-hour, weekly leadership laboratory. Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL 2101L-Sophomore Leadership Laboratory I
(0 credits)

Co-requisite: MSL 2101

MSL 2101 explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army Leadership Requirements Model (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties, and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the Contemporary Operating Environment (COE). Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL 2102-Foundations of Tactical Leadership
(2 credits)

Co-requisite: MSL 2102L

This course examines the challenges of leading tactical teams in the complex COE. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. This course provides a smooth transition into MSL 3201. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Students must register for and attend a two-hour, weekly leadership laboratory. Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL 2102L-Sophomore Leadership Laboratory II

(0 credits)

Co-requisite: MSL 2102

The Sophomore Leadership Laboratory II consists of a two-hour block of instruction that directly supports classroom instruction. Cadets implement the initial classroom lessons in a real world setting, MSL 2102 examines the challenges of leading tactical teams in the complex Contemporary Operating Environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. MSL 2102 provides a smooth transition into MSL 3201. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL 3201-Adaptive Team Leadership

(3 credits)

Co-requisite: MSL 3201L

MSL 3201 challenges Cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and critical-thinking skills. Cadets receive systematic and specific feedback on their leadership values, attributes, skills, and actions.

MSL 3201L-Leadership and Problem Solving Laboratory

(0 credits)

Co-requisite: MSL 3201

This leadership laboratory course provides practical application of topics covered in MSL 3201. This lab challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and critical-thinking skills.

Cadets receive systematic and specific feedback on their leadership values, attributes, skills and actions.

MSL 3202-Leadership in Changing Environments
(3 credits)

Co-requisite: MSL 3202L

MSL 3202 uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading tactical operations. Having learned squad-level tactics in MSL 3201, cadets now learn to lead up to platoon level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. The focus is on exploring, evaluating, and developing skills in decision making, persuading, and motivating team members in the COE. MSL 3202 cadets are evaluated on what they know and do as leaders as they prepare to attend LDAC.

MSL 3202L-Leadership and Ethics Laboratory
(0 credits)

Co-requisite: MSL 3202

This leadership laboratory course provides practical application of topics covered in MSL3202. This lab challenges Cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and critical-thinking skills. Cadets receive systematic and specific feedback on their leadership values, attributes, skills, and actions.

MSL 4301-Adaptive Leadership
(3 credits)

Prerequisite: Requires completion of MSL 3201, MSL 3202 or professor of Military Science permission Co-requisite: MSL 4301L

This course provides practical exercise in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow ROTC Cadets. MSL IV Cadets

are measured by their ability to give and receive systematic and specific feedback on leadership abilities using the Socratic model of reflective learning. Cadets at the MSL IV level analyze and evaluate the leadership values, attributes, skills, and actions of MSL III Cadets while simultaneously considering their own leadership skills. Attention is given to preparation for success at BOLC II and III, and the development of leadership abilities.

MSL 4301L-Leadership and Management Laboratory
(0 credits)

Prerequisite: Requires completion of MSL 3201, MSL 3202 or professor of Military Science permission Co-requisite: MSL 4301

This laboratory enables the application of the lessons learned in the classroom in a practical environment. It develops proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow ROTC Cadets. MSL IV Cadets are measured by their ability to give and receive systematic and specific feedback on leadership abilities using the Socratic model of reflective learning. Cadets at the MSL IV level analyze and evaluate the leadership values, attributes, skills, and actions of MSL III Cadets while simultaneously considering their own leadership skills. Attention is given to preparation for success at BOLC II and III, and the development of leadership abilities.

MSL 4302-Leadership in a Complex World
(3 credits)

Prerequisite: MSL 4301 Co-requisite: MSL 4302L

This course explores the dynamics of leading in the complex situations of current military operations in the COE. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and

practical demands of leading as commissioned officers in the United States Army.

MSL 4302L-Officership Laboratory
(0 credits)

Prerequisite: MSL 4301 Co-requisite: MSL 4302

This laboratory enables the practical application of lessons learned in the MSL 4302 classroom. It explores the dynamics of leading in the complex situations of current military operations in the COE. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army.

MSL 4905-Independent Study
(1-3 credits)

Prerequisite: Requires departmental permission. Enrollment is determined by the Professor of Military Science

This course introduces students to fundamental leadership styles and their effectiveness in and out of the work place; Students will be able to mend growing problems and work to further solidify unity in the environment; Students will also work on military counseling and the methods for which it is used.

MSL 4941-Advanced Leader Training
(4 credits)

Leadership development and assessment course is the army's 5-week leader internship conducted at Fort Lewis, Washington from June through August. The instructor places each cadet in a variety of leadership positions, many of which simulate stressful combat situations. Cadets are evaluated by platoon tactical officers and NCOs. Training is organized into separate committees in a tiered structure, including basic military skills, leadership development, tactical training, basic rifle marksmanship and situational training exercises. Although this course is not conducted on campus grading will be conducted

by university faculty.



Army ROTC Course Curriculum

Freshman Year

Leadership and Personal Development	2 hours
Freshman Leadership Laboratory I	0 hours
Introduction to Tactical Leadership	2 hours
Freshman Leadership Laboratory II	0 hours

Sophomore Year

Individual Leadership Studies	2 hours
Sophomore Leadership Laboratory I	0 hours
Foundations of Tactical Leaderships	2 hours
Sophomore Leadership Laboratory II	0 hours

Junior Year

Adaptive Team Leadership	3 hours
Leadership and Problem Solving Laboratory	0 hours
Leadership in Changing Environments	3 hours
Leadership and Ethics Laboratory	0 hours

Summer Course (Leadership Development and Assessment —
Seattle, Washington; 4 weeks)

Advanced Leader Training	4 hours
Senior Year	
Adaptive Leadership	3 hours
Leadership and Management Laboratory	0 hours
Leadership in a Complex World	3 hours
Officership Laboratory	0 hours



Navy ROTC

Naval Reserve Officers Training Corps (Division of Naval Science) programs are available to UNF students. This program includes fourteen courses that apply to the 120-credit graduation requirement. The Vice President for Student and International Affairs is the management liaison for this program.

Naval Reserve Officers Training Corps (NROTC)

University of North Florida students may participate in the Naval Reserve Officer Training Corps (NROTC) program which is housed at Jacksonville University while earning their academic degrees at UNF. The mission of the NROTC is to prepare future leaders of the United States Navy and Marine Corps mentally, morally, and physically for commissioning in the naval services. The goal is to provide a steady supply of well-educated junior officers, ready to serve their country. The NROTC program is designed to support the student's academic major with specified university courses and naval professional courses. NROTC graduates will:

1. Understand the fundamental roles and missions of the United States Navy and the importance of seapower to our national interests;
2. Know the concepts and principles of leadership;
3. Appreciate national security requirements;
4. Gain a strong sense of personal integrity, honor, and individual responsibility; and
5. Attain an educational background which will allow advanced/continuing education later in their careers in a field of application and interest to the naval service.

There are five programs — three NROTC Scholarship Programs

and two NROTC College Programs.

NROTC National (4-Year) Scholarship Program

These students enter into a contract with the Secretary of the Navy in which they agree to take certain Naval Science courses, attend university-taught courses, and complete three summer training periods. The Navy provides tuition, fees, textbook stipend, uniforms, and a monthly subsistence allowance for a maximum of 40 months. Scholarship students are selected through national competition.

Navy Option midshipmen (does not include Nurses or Marines) starting their freshman year of college in the Fall of 2010 or later will be required to serve a minimum of five years of active military service. Additional requirements may be required for specific job assignments.

Marine Corps Option midshipmen will be required to serve at least four years on active duty.

Navy Nurse Corps Option midshipmen will be required to serve at least four years on active duty.

NROTC Two and Three-Year Navy Option or Marine Option Scholarship Program

The Two and Three-Year Scholarship Program provides tuition, textbook stipend, uniforms, and a monthly subsistence allowance for the subsequent years of college towards a baccalaureate degree. To be selected, students must meet the same basic requirements as National Scholarship applicants with the following additional requirements:

- Must have at least 30 semester hours (45 quarter hours) but no more than 120 semester hours (203 quarter hours)
- Must have a minimum college GPA of 2.5 (on a 4.0 scale)
- Must be admitted to or in process of gaining admittance to school affiliated with the NROTC Unit from which they are being nominated

Two and Three-Year Scholarship students are selected through national competition and through a system of direct appointments.

You must apply via the NROTC unit of the university you wish to

attend.

Upon graduation scholarship midshipmen are commissioned as Ensigns in the U.S. Navy or as Second Lieutenants in the U.S. Marine Corps, and serve on active duty for a minimum of five and four years respectively.

NROTC Four-Year Scholarship Nurse Option Program

*This program is not offered to UNF Nursing students. For a list of schools with NROTC-approved Nursing Programs, please visit: [NROTC-approved Nursing Programs](#).

NROTC College Program (Basic) - Freshman and Sophomore Years

Interested students can apply for admission into the NROTC College Program (Basic) as long as they have a minimum of three years left in their 4-year Degree Plan. Accepted students participate strictly on a volunteer basis and incur no service obligation until selected for College Program (Advanced Standing). Admitted students agree to take Naval Science courses, university-taught courses, and participate in drill periods.

NROTC College Program (Advanced Standing) - Junior and Senior Years

College Program and non-affiliated students who are selected for advanced standing, which is only available starting the junior year of college gain a contract for commission into the United States Navy or Marines Corps. In return, the Navy provides uniforms, Naval Science textbooks, and pays students monthly subsistence allowance during the junior and senior years for a maximum of 20 months.

There are also opportunities to apply for the NROTC Three-year Scholarship at the end of the Freshman year and NROTC Two-year Scholarship at the end of the Sophomore year while participating in the NROTC College Program (Basic).

To apply, contact nrotcrecruiter@ju.edu

Eligibility Requirements

1. Must be a citizen of the United States and present official certified proof of citizenship.
2. Must have high moral standards and officer like character evidenced by appearance, scholarship, extracurricular activities, and involvement in the community. Criminal conviction is normally disqualifying.
3. Applicants for the Scholarship Program must be at least 17 years old on or before 1 September of the year of enrollment, and must be under 27 years old on 30 June of the calendar year in which commissioned. Age waivers are available, and other limitations may exist based on an applicant's special circumstances.
4. Scholarship students must meet the physical qualification standards set by the U.S. Navy's Bureau of Medicine. College Program students must meet the standards prior to entering advanced standing. A physical exam is not usually required for enrollment in the basic course, however, students must meet initial screening standards.

Must meet Department of the Navy requirements concerning prior use of narcotics and/or other related drugs.

Summer Training Requirements

National Scholarship students go on summer training for about 30 days during each of their three college summers. These training periods are great opportunities for NROTC midshipmen to be exposed to the operations of the Navy and Marine Corps. Students can expect to receive first-hand experience with the aviation, submarine, surface, and amphibious specialties both ashore and afloat. Nurse midshipmen conduct summer training at a Navy hospital. The Navy provides transportation to and from sites, subsistence and living quarters, and training pay during the summer training periods.

College program (Advanced Standing) students perform one summer training session between the junior and senior years.

Drills, Ceremonies and Inspections

All NROTC program students attend the Naval Science Laboratories for one and a half hours each Thursday.

NROTC Jacksonville

2800 University Blvd North
Jacksonville, FL 32211-3394
904-256-7480 (phone)
904-256-7499 (fax)



Naval ROTC Courses

The following courses are offered at Jacksonville University.

NS 100. Naval Science Laboratory (.5; F; S)

Designed to provide a period of instruction to allow student leadership to organize and facilitate annual training. Training topics include but are not limited to, General Military Training (GMT), close order drill, guest speakers, safety training and other topics pertinent to the professional development of future Junior and Company Grade officers. This course provides ample time for student-led training. Student participation will be critical to the success of the class.

NS 101. Introduction to Naval Science (2; F)

A general introduction to the USN and USMC that emphasizes organizational structure, warfare components and assigned roles/missions of USN/USMC; covers all aspects of Naval Services from its relative position within DoD to the specific warfare communities/career paths; introduces long-held customs and traditions of the Naval service; and includes basic elements of leadership, ethics, character development, and Navy Core Values. The course will provide students with initial exposure to many elements of Naval culture and provides basic information for the Midshipman's first experience on board a Navy ship.

NS 102. Seapower & Maritime Affairs (2; S)

A study of the U.S. Navy from 1775-present day that incorporates both a historical and political science process to explore the major events, attitudes, personalities, and circumstances that have imbued the U.S. Navy with its proud history and rich tradition; deals with issues of national imperatives in peacetime, as well as war, varying maritime philosophies that were interpreted into Naval strategies/doctrines, budgetary concerns which shaped force

realities, and the pursuit of American diplomatic objectives; and concludes with a discussion of the Navy's strategic and structural changes at the end of the Cold War and its new focus, mission and strategy in the post September 11, 2001 world.

NS 200. Naval Science Laboratory (.5; F; S)

Designed to provide a period of instruction to allow student leadership to organize and facilitate annual training. Training topics include but are not limited to, General Military Training (GMT), close order drill, guest speakers, safety training and other topics pertinent to the professional development of future Junior and Company Grade officers. This course provides ample time for student-led training. Student participation will be critical to the success of the class.

NS 201. Naval Ships Systems I (Combat Systems) (3; F)

A familiarization course in the basic concepts and principles associated with the development and employment of naval weapons systems. It includes coverage of weapons systems, radar and fire control systems, their capabilities, limitations and application. Target acquisition, identification, tracking and engagement principles are also covered.

NS 202. Naval Ships Systems II (Engineering) (3; S)

A familiarization course in the basic concepts and principles of current Naval Propulsion systems, damage control and ship design. Subjects covered include steam, nuclear and gas turbine propulsion, shipboard generators and distribution, ship's stability and damage control systems.

NS 300. Naval Science Laboratory (.5; F; S)

Designed to provide a period of instruction to allow student leadership to organize and facilitate annual training. Training topics include but are not limited to, General Military Training (GMT), close order drill, guest speakers, safety training, and other topics pertinent to the professional development of future Junior and Company Grade officers. This course provides ample time for student-led training. Student participation will be critical to the success of the class.

NS 301. Navigation & Naval Operations I (3; S)

A comprehensive study of the theory, concepts, principles, and procedures of ship navigation, movements, and employment. Included are studies in spherical trigonometry, mathematical

analysis and practices, spherical triangulation, sights, sextants, publications and logs. Rules of the road, lights and signals, and navigational aids, including satellite and inertial guidance systems are reviewed. Individual and multi-ship formations, dispositions, and maneuvers are analyzed for force effectiveness and mission support. Principles of relative motion and maneuvering board procedures are applied to maneuvering problems.

NS 302. Navigation & Naval Operations II (3; F)

An in-depth study of the theory, principles, procedures, and application of plotting, piloting, and electronic navigation as well as an introduction to maneuvering boards. Students learn piloting techniques, the use of charts, the use of visual and electronic aids, and the theory of operation of both magnetic and gyrocompasses. Students develop practical skills in plotting and electronic navigation. Other topics include tides, currents, effects of wind/weather, voyage planning, and an application and introduction to the international/inland rules of navigation. The course is supplemented with a review/analysis of case studies involving moral/ethical/leadership issues pertaining to the concepts listed above.

NS 310. Evolution of Warfare (Marine Corps Option) (3; S)

A study of the concepts, art, and evolution of warfare. Purposes of the study are to formulate the sense of historical continuity in the evolution of warfare and to explore the impact of historical precedent on military thought and actions of the great leaders and military organizations.

NS 313. Navigation Laboratory (1; S)

Co-requisite: NS 301. Practical application, in the laboratory and on field trips, of the scientific and mathematical principles presented in class, including piloting, celestial navigation, and ship maneuvering problems utilizing relative motion concepts as applied to the maneuvering board.

NS 314. Navigation Laboratory (1; F)

Co-requisite: NS 302. Practical application, in the laboratory and on field trips, of the scientific and mathematical principles presented in class, including piloting, celestial navigation, and ship maneuvering problems utilizing relative motion concepts as applied to the maneuvering board.

NS 400. Naval Science Laboratory (.5; F; S)

Designed to provide a period of instruction to allow student

leadership to organize and facilitate annual training. Training topics include but are not limited to, General Military Training (GMT), close order drill, guest speakers, safety training and other topics pertinent to the professional development of future Junior and Company Grade officers. This course provides ample time for student-led training. Student participation will be critical to the success of the class.

NS 401. Leadership & Management (3; F; S)

A comprehensive study of organizational behavior and management. The theme of the course is the “officer as a manager, organizational decision maker and leader.” Topics include a survey of the management functions of planning, organizing and controlling, and extensive study of motivation and leadership. Major behavioral theories are explored in detail. Other topics include decision making, communication, responsibility, authority and accountability.

NS 402. Leadership & Ethics (3; F; S)

A course designed to provide midshipmen with the ethical foundation and basic leadership tools needed to be effective junior officers and outstanding leaders in the Navy and Marine Corps. The course specifically includes training on principle-centered leadership, ethics, morals, character development, core values, management techniques, military justice, officer performance standards, Navy organization and programs and division officer responsibilities.

NS 410. Fundamentals of Maneuver Warfare (Marine Corps Option) (3; F)

A course that introduces students to the fundamental terms, concepts, and theories of general warfare and amphibious warfare. These terms, concepts and theories will be applied through a historical analysis of amphibious operations, identifying the evolution of amphibious doctrine, tactics and technology. It focuses on the evolution of the United States Marine Corps into a specialized amphibious force, with particular attention devoted to the structure and capabilities of the present day U.S. Marine Corps as a forward deployed and rapid deployment force and the development of Expeditionary Maneuver Warfare concepts.



Naval ROTC FAQs

Top 10 Frequently Asked Questions:

1. What happens if I am a College Program Midshipman and don't get a scholarship?
2. What exactly does a NROTC Scholarship pay for?
3. Does the NROTC Scholarship pay for room and board?
4. What do Midshipmen have to do in the NROTC program?
5. If I have an NROTC Scholarship am I restricted on what my major can be? Do I have to take certain classes for NROTC?
6. Is the NROTC Program any different for Marine Option Midshipmen?
7. Is a Marine Option Scholarship different from a Navy Option Scholarship?
8. What if I haven't been granted a scholarship? Can I still join NROTC?
9. What is my normal time commitment to NROTC each week?
10. Are there any restrictions on choices for women?

Other Frequently Asked Questions:

1. What NROTC classes should I register in?
2. I was told I am not physically qualified for the NROTC program, what can I do?
3. What are the obligations of a NROTC Scholarship Midshipman upon commissioning?
4. What obligation do I owe as a College Program Midshipman with Advance Standing that is commissioned?
5. What does the summer training consist of for scholarship students?
6. What academic standards are there for NROTC Scholarship and College Program Midshipman?

7. What if I received a 4 year NROTC scholarship to a university I was not accepted to?
8. When should I apply to NROTC?
9. Which school should I list first on my application?
10. What physical/athletic requirements are there for midshipmen?
11. Can I be in a fraternity or sorority?

Q: What happens if I am a College Program Midshipman and don't get a scholarship?

A: If you don't earn a scholarship by the end of your sophomore year, you may apply for Advance Standing. Advance Standing; if granted will provide the Midshipman with the \$350/400, (Juniors/Seniors), stipend every month during the school year for the remaining two years. Upon graduation the Advanced Standing Midshipman receives the same commission as the Scholarship Midshipman. If the Midshipman has not been granted Advance Standing by the beginning of the junior year, he or she will be disenrolled from the ROTC program.

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Q: What exactly does a NROTC Scholarship pay for?

A: The NROTC Scholarship pays the students' tuition, uniforms, and lab related fees. A textbook stipend is also provided to assist with books. It also provides the student a stipend every month during the school year, this increases as you complete years in the program, to help with the cost of living.

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Q: Does the NROTC Scholarship pay for room and board?

A: No, the NROTC Scholarship does not pay for room and board. Certain colleges and universities may give NROTC students a Room and Board scholarship to help defray those costs. UNF does not offer a specific scholarship to NROTC students, but does have many other scholarships available. You should contact the UNF financial aid office for additional assistance.

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Q: What do Midshipmen have to do in the NROTC program?

A: Midshipmen are required to take one Naval Science class and one Naval Science lab each semester for four years. These classes provide instruction ranging from the history of the Navy to shipboard operations and engineering. Students are also required to attend Drill in uniform. If students are on scholarship they are required to attend summer training for three consecutive summers.

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Q: If I have an NROTC Scholarship am I restricted on what my major can be? Do I have to take certain classes for NROTC?

A: Navy Scholarship Students and College Program (Advanced) students must remain in the major listed when they applied for the scholarship. Academic major changes must be approved by the Professor of Naval Science. Marine Corps Scholarship students and all College Program (Basic) students are allowed to major in any academic field that will grant them a Bachelors degree. Navy scholarship midshipmen must, in addition to fulfilling their degree requirements, complete one year of calculus, one year of calculus-based physics, one year of English, one NROTC-approved military history or national security policy class, one NROTC-approved world culture and regional studies class, one Naval Science class and one Naval Science lab per semester. College Program Midshipman that will commission with Advance Standing are required to meet all the same requirements as scholarship students with the exception of calculus and calculus-based physics. Navy College Program Midshipmen must instead take College Algebra or higher math, and one year NROTC-approved Physical Science.

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Q: Is the NROTC Program any different for Marine Option Midshipmen?

A: Yes and no. Marine Option Midshipmen are required to take six Naval Science classes. Two of these Naval Science classes are separate from the Navy Option Midshipmen. The Marine Option

classes focus on the history of warfare and amphibious operations. Marine Option Midshipmen are not required to take all of the classes that Navy Options Midshipmen are required to take. Only one semester of Military History or National Security Policy is required. Marine Option Midshipmen attend all Battalion drills and functions. There is a Marine Officer Instructor and an Assistant Marine Officer Instructor at the NROTC Unit that oversee all the Marine Options. Marine Option Midshipmen who are on scholarship are required to attend summer training as well. The first summer of training is identical to Navy Option Midshipmen where they are required to attend Career Orientation and Training for Midshipmen (CORTRAMID); the second summer of training normally consists of attending Marine Air-Ground Task Force (MAGTF) training. Between the Marine Options' junior and senior year, he or she is required to attend Officer Candidate School (OCS). After commissioning, all Marines must attend The Basic School (TBS) regardless of their Military Occupational Specialty (MOS).

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Q: Is a Marine Option Scholarship different from a Navy Option Scholarship?

A: Yes, the Marine and Navy Scholarship process is different. However, some Midshipmen are allowed to transfer between Navy and Marine options if they so desire while they are in NROTC. College Program Midshipmen are also allowed to be Marine Options and work for a Marine Scholarship. College Program Marine Option Midshipmen must achieve Advance Standing by the end of their sophomore years in order not to be disenrolled. If the Marine Option Midshipman gains Advance Standing then he or she is awarded the \$350/400, (Juniors/Seniors), stipend and is required to serve 3 years of active duty.

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Q: What if I haven't been granted a scholarship? Can I still join NROTC?

A: Absolutely. There are two avenues for this. One is the College Program (Basic) and the other is the Naval Science Program. If students join the NROTC College Program, they will be required to do almost everything a scholarship student does. College Program (Basic) students do not go on summer training, however they do

attend the initial orientation prior to the Fall semester. College Program students are reviewed for scholarship selection once a year for Navy option and twice a year for Marine option. Scholarship selection is based upon a student's grades, military aptitude and physical fitness performance in NROTC. Students may participate in College Program without any service commitment for the Freshman and Sophomore years. The Naval Science program is simply enrolling in Naval Science classes. Naval Science students have no obligation to NROTC other than attending the class(es) in which they are enrolled. Both College Program and Naval Science students may apply for a scholarship after attending naval science classes for one semester.

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Q: What is my normal time commitment to NROTC each week?

A: An average week includes about 10-15 hours of work including class, drill and some weekend commitments. Expect to do more as you gain seniority.

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Q: Are there any restrictions on choices for women?

A: No, all communities are now open to women. Within NROTC, women have served as Battalion Commander (the highest ranking midshipman) and in every other leadership billet.

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Q: What NROTC classes should I register in?

A: Freshmen should register for "Introduction to Naval Science" (NSC 1110). Scholarship and College Program midshipmen should also register for NSC 1101 which is Drill/Naval Science Lab.

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Q: I was told I am not physically qualified

for the NROTC program, what can I do?

A: You will not receive a NROTC scholarship unless you are found physically qualified for the NROTC program. It is imperative that you become physically qualified before commencement of classes. If you are attempting to gain a waiver for some disqualifying physical condition and you start classes at the university, you will be responsible for payment of tuition, fees and books for that semester. If you are later found physically qualified for a NROTC scholarship during that same semester (i.e. your waiver is granted), your tuition, fees and book expenses can be reimbursed (case by case basis). If you are found not physically qualified for the NROTC program, tuition, fees and book expenses will not be reimbursed. If you are not sure if you are physically qualified or if you need information on how to get a waiver, please contact NSTC or the recruiter who helped process your application.

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Q: What are the obligations of a NROTC Scholarship Midshipman upon commissioning?

A: Scholarship students that graduate and receive their commissioning are obligated to serve 8 years of commissioned service, 3 - 5 years of active duty and the remainder in the inactive reserve. This is in an unrestricted line billet (surface, submarine, aviation, explosive ordnance disposal (EOD) or special warfare (SEAL). If students go to flight school as Pilots or Naval Flight Officers, their obligations increase to 8 and 6 years of active duty respectively, from their winging date.

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Q: What obligation do I owe as a College Program Midshipman with Advance Standing that is commissioned?

A: Those commissioned through the College Program are obligated to serve a minimum of 8 years commissioned service, 3 of these years must be active duty. The length of active duty is extended to 6 years for Naval Flight Officers and 8 years for Pilots upon receiving wings.

Q: What does the summer training consist of for scholarship students?

The initial orientation training is the summer prior to freshman year or joining the program, New Student Indoctrination (Scholarship Students Only) and New Student Orientation (Both Scholarship and College Program). This training provides the basics to get the student ready to join the Battalion. The first fleet summer training scholarship students attend is called CORTRAMID, which stands for Career Orientation and Training for Midshipmen. Scholarship students attend CORTRAMID over the summer between their Freshman and Sophomore years of college. CORTRAMID's goal is to orient Midshipmen with the Navy. One week is devoted to exposure to the surface Navy, another to aviation, another to submarines, and the last spent with the Marine Corps. Midshipmen have the choice of attending CORTRAMID on either the west coast in San Diego, California or in the east at Norfolk, Virginia. The Midshipman's second summer training is Sea Trials. Sea Trials is a four week professional military training and evaluation prior to Junior year. The Midshipman's first class cruise is between their junior and senior year of college. The first class cruise is designed to provide the Midshipman with a realistic exposure to what it is like to be an officer. The Midshipman is assigned a LT or LTJG running mate. The Midshipman will shadow the officer and assist the officer on performing shipboard duties while in port and underway. It should be noted that College Program (Advance Standing) Midshipmen are required to attend this first class cruise.

Q: What academic standards are there for NROTC Scholarship and College Program Midshipman?

A: Scholarship and College Program Midshipman must maintain a 2.5 semester and cumulative Grade Point Average on a 4.0 scale, have no failing grades in any subject required for their major or commissioning, progress on a prescribed timeline for graduation, and have a full academic load every semester (12 credit hours, not including your NROTC classes).

Q: What if I received a 4-year NROTC scholarship to a university I was not accepted to?

A: Scholarship selection and placement is conducted by Naval Service Training Command (NSTC). Contact NSTC and request that your scholarship be transferred to another university to which you have been accepted. Be sure to include all of the applicable information (universities you have been accepted to, etc.) and any extenuating circumstances. Only NSTC has the authority to approve or disapprove this request. There is no guarantee that your request will be approved. Another option is to request, via NSTC, a deferral of your 4 year scholarship to the next term or school year. This will not change the university where the scholarship is applicable, but the time the scholarship starts. In this way you can re-apply to the university and hopefully get accepted for the next school year. If you do not report to your assigned school as per the scholarship award letter prior to the commencement of classes in the fall, and you have not received an NSCT approved deferment or transfer of your scholarship, it will be assumed that you have rejected your 4 year NROTC scholarship.

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Q: When should I apply to NROTC?

A: Typically NSTC will begin soliciting applications late in the Spring semester of your Junior year in H.S. for the National 4 Year Scholarships. Fill out an online application, (<https://www.netc.navy.mil/Commands/Naval-Service-Training-Command/NROTC/Apply/>). You will be responsible to send other paperwork such as transcripts and your SAT scores. Part of the application also requires interviews. Please take care of those as soon as you can. The scholarships are awarded starting in September, so students that apply first have an advantage. Students who are not awarded scholarships immediately are retained for further review in later rounds.

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Q: Which school should I list first on my application?

A: NROTC requires you list 5 universities and that one of your top 2 choices be a state school. However, we STRONGLY recommend that you list the schools in the order you want to attend. The scholarship board will normally assign you to a school in the order you list them, provided there is room. Remember, it is your responsibility to get accepted at the schools you list. There is no guarantee that the NROTC will have room for every student at every school. All NROTC programs are limited in the number of students they may admit.

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Q: What physical/athletic requirements are there for midshipmen?

A: Each semester you will take a physical readiness test. For Navy option students, this entails push-ups, curl-ups, and a 1.5 mile run; Marine option students perform pull-ups, curl-ups, and a 3-mile run and/or a Combat Fitness Test. We expect you to do well on these tests. Also, each midshipman must pass a swimming test. We require that you work out regularly.

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Q: Can I be in a fraternity or sorority?

A: Yes

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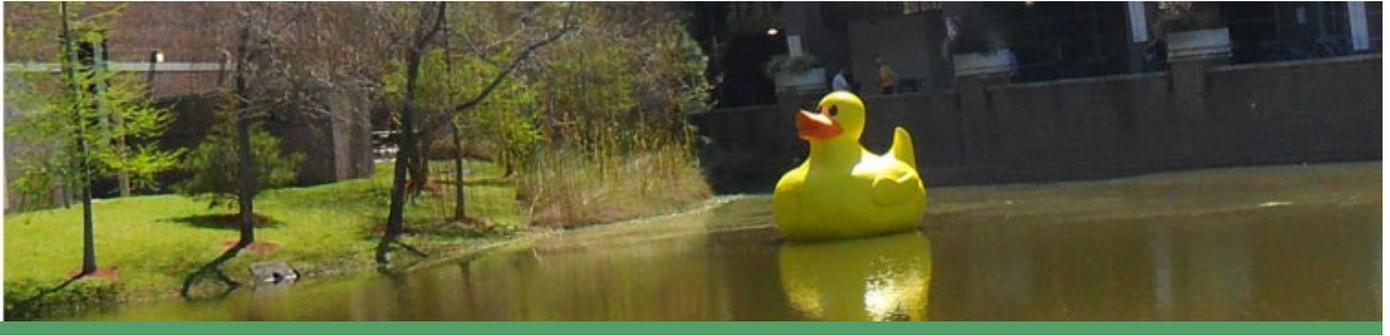
State Foreign Language Requirement

By action of the Florida Legislature, undergraduate students who enter a state university in Florida are subject to a foreign language admission requirement. To satisfy the requirement, a student must present evidence of:

- Competency of foreign language or American Sign Language study equivalent to the second high school level or higher, or
- Successfully completing a post-secondary foreign language or American Sign Language elementary two course, or
- Proficiency through a satisfactory score on an approved foreign language examination as determined by the Articulation Coordinating Committee (ACC) Credit-by-Exam Equivalencies as adopted by the Board of Governors.

View the University's [official regulation](#).

Those students who have studied French or Spanish in high school and wish to continue their studies in their chosen language will want to take the [free online French or Spanish placement test](#) to assess their standing. For more information, please consult the [Placement Guidelines](#) page on the Department of Languages, Literatures and Cultures website.



Tuition and Student Fees

Tuition and fees at each public institution in Florida are set by the Florida Legislature with limited flexibility given to the University Boards of Trustees. These fees are assessed on the basis of residency, i.e., enrolling students are classified either as “Florida” or “Non-Florida” students.

In the determination of resident status for tuition purposes, it is the policy of the University of North Florida to follow laws of the state of Florida as well as regulations and policy guidelines established by the Florida Board of Governors. The policy on residency status for tuition purposes, as adopted by the University of North Florida, is subject to [Florida Statute 1009.21](#) and the [Florida Board of Governors Resolution](#). The guidelines listed here do not comprise a comprehensive statement regarding residency status for tuition purposes in the state of Florida. For more information, refer to the [residency](#) portion of this catalog and the "Residency Guidelines" section at www.floridashines.org.

To view tuition and fee rates, please see the [Tuition & Student Fee Schedule](#).



Schedule of Tuition and Fees

Fees subject to change without prior notice.

Contact the Student Financial Service's Office at (904) 620-2472 or refer to their [website](#) for current tuition information.

View the University's [official policy](#).

Cost of Attendance

Financial aid awards are based on an estimated nine-month (Fall and Spring term) **cost of attendance**. This is constructed based on five components as designated by federal regulations.

Direct Costs:

- Tuition and Fees (based on residency status and term enrollment)
- Books and Supplies (based on term enrollment)
- Room and Board (based on if you are living with a relative/parent, on campus, or off campus)

Indirect Costs:

- Miscellaneous
- Transportation

In general, your financial aid may not exceed the cost of attendance, although, your actual costs may vary. Tuition and book components will adjust based on term enrollment.

2020-2021

The nine-month (Fall and Spring term) estimated costs are as follows:

Undergraduate

Living Status	In State	Out of State
Living with a relative	\$ 14,605	\$ 29,005
Living on campus	\$ 21,730	\$ 36,130
Living off campus	\$ 23,050	\$ 37,450

Graduate

Living Status	In State	Out of State
Living with a relative	\$ 17,086	\$ 27,004
Living on campus	\$ 24,211	\$ 34,129
Living off campus	\$ 25,531	\$ 35,449

Note: Doctor of Physical Therapy (DPT), BSN-DNP in Family Nurse

Practitioner, BSN-DNP in Nurse Anesthetist, and Post-MSN Doctor of Nursing Practice students' cost of attendance is based on the Graduate (In State/Out of State) cost of attendance plus additional items as determined by the University of North Florida. Please contact the [Graduate School](#) for additional information.

2021-2022

The nine-month (Fall and Spring term) estimated costs are as follows:

Undergraduate

Living Status	In State	Out of State
Living with a relative	\$ 14,605	\$ 29,005
Living on campus	\$ 21,730	\$ 36,130
Living off campus	\$ 23,050	\$ 37,450

Graduate

Living Status	In State	Out of State
Living with a relative	\$ 17,086	\$ 27,004
Living on campus	\$ 24,211	\$ 34,129
Living off campus	\$ 25,531	\$ 35,449

Note: Doctor of Physical Therapy (DPT), BSN-DNP in Family Nurse Practitioner, BSN-DNP in Nurse Anesthetist, and Post-MSN Doctor of Nursing Practice students' cost of attendance is based on the Graduate (In State/Out of State) cost of attendance plus additional items as determined by the University of North Florida. Please contact the [Graduate School](#) for additional information.

Special Fees, Fines and Penalties

The University of North Florida Board of Trustees must authorize all fees assessed, unless specifically delegated herein to the President. For purposes of clarification, the term “at cost” or “cost” includes those increased costs that are directly related to the delivery of the goods or services.

1. Audit Registration Fees – Audit registration assures a course space for the student; however, no grade is awarded. This fee is the same as the resident tuition provided in Regulation 11.0010R, except for developmentally disabled students enrolled in the University's On-Campus Transition Program. The audit registration fee for students enrolled in this program is \$0.00 per credit hour.
2. Registration of Zero Hours – Such registration provides for examinations, graduations, use of facilities, etc., when deemed appropriate by the University. A student will not be assessed resident tuition.
3. Application Fee – Individuals who apply for admission to the University of North Florida shall pay a non-refundable Application Fee of \$30.00 for applications. This fee will be waived for applicants who can document that they have received a fee waiver due to economic need as determined by the College Board or the American College Testing Program.
4. Continuing Education Course Fees – Any fees charged to students for continuing education credit activities that are higher than the normally approved fees for similar credit activities offered in the regular on-campus program, shall be established solely for the purpose of recovering all increased costs which result from offering these courses as continuing education activities.
5. Late Registration Fee – The University will assess a late registration fee of \$100.00 against students who fail to initiate registration during the regular registration period.
6. Late Payment Fee – The University will assess a late payment fee of \$100.00 to students who fail to pay or who fail to make appropriate arrangements for payment (by means of installment payment, deferment or third-party billing), by tuition deadlines set by the University.
7. Service Charge – The University will assess a service charge totaling \$15.00 for the payment of tuition in installments.

8. Library Fines - \$0.25 per book or unit, per day, up to \$5.00 maximum.
9. Overdue Reserve Library Books - \$1.00 per book or unit item, per hour, up to \$5.00 maximum.
10. Overdue Recalled Library Items - \$1.00 per book or unit, per day, in addition to any other fines or penalties, up to \$5.00 maximum.
11. Overdue ILL Items - \$1.00 per book or unit, per day, up to \$5.00 maximum.
12. Late Equipment Fee - \$0.25 per item, per day.
13. Security/Access/Identification Card; Duplicate: (a) Annual \$ 10.00; and (b) Duplicates \$15.00.
14. Duplicating/Photocopying Fee (personal use only) – cost.
15. Standardized Tests – The fee for all standardized tests (GRE, URE, etc.) will consist of the costs of administering the tests.
16. Binding Fee – (Thesis and Dissertation) – cost.
17. Microfilm Fee (Thesis and Dissertation) – cost.
18. Copyright Fee (Dissertation) – cost.
19. All breakage and lost library materials – cost.
20. Lost Keys/Cylinder change – cost.
21. Equipment Damage and Loss – cost.
22. Interlibrary Loans/Literature Searches – cost.
23. Facilities/Equipment Use Charge – cost.
24. Orientation Fee - Freshmen \$35.00 and an additional \$125.00 associated program cost; Transfer Students \$35.00 and a \$15.00 associated program cost.
25. Transcript Fee – Per item \$8.00. (On-demand, per item \$10.00)
26. Diploma Replacement Fee – Per item \$10.00.
27. Off-Campus Educational Activities – The University will assess fees for off-campus course offerings when the location results in specific, identifiable increased costs to the University. These fees will be in addition to the regular student credit hour fees charged to students enrolling in these same courses on-campus. The additional fees charged are for the purpose of recovering the increased costs resulting from off-campus offerings.
28. Material and Supply Fees – The University will assess material and supply fees not to exceed the amount necessary to offset the cost of materials or supply items which are consumed in the course of the student's instructional activities, excluding the cost of equipment, equipment repairs and maintenance.
29. Distance Learning Fee - The University will assess a per-credit hour distance learning fee to cover the additional costs of the

provided services attributable to the development and delivery of the distance learning course.

30. Miscellaneous Health Fees – The University will assess fees for miscellaneous health-related services provided at cost by the UNF Student Health Center which are not covered by the health fee set forth under Regulation 11.0010R.
31. Credit Card Convenience Fee – The University will charge a convenience fee of 2.75% (4.25% for international credit cards) of the transaction amount for the use of credit cards for web-originated financial transactions.
32. Housing Rental Rates and Supplemental Charges – Basic rates for housing rental and supplemental charges are set by the University of North Florida Board of Trustees. Current housing rental rates and supplementary housing charges are available for viewing at [Housing's website](#) or on the Housing Room Rates Sheets distributed by Housing Operations.
33. Returned Check Fee – The University will assess a service charge as authorized by Section 832.07(1), F.S., for unpaid checks returned to the University.
34. Collection Costs – The University will assess a charge representing the reasonable fee of collection efforts to effect payment for overdue accounts. Collection fees will be assessed to the student for collection of debts owed to the University that are not secured by a promissory note or contract.
35. Education Research Center for Child Development Fee – Pursuant to Section 1011.48, F.S., the University of North Florida Preschool will charge fees for the care and services it provides. Such fees may be imposed on a sliding scale based on the ability to pay or any other factors deemed relevant. A current fee schedule is available on the [Center's website](#).

View the University's [official policy](#) on special fees, fines and penalties as they relate to tuition and fees.



Estimated Expenses Per Academic Year

UNF provides an online [net price calculator](#) to assist first-time in college students estimate out-of-pocket expenses associated with enrolling at the University. The actual costs incurred depend upon the individual student information. Students who are in need of financial counseling should request this assistance through [One-Stop Student Services](#).



Payment of Tuition and Fees

All fees must be paid or pending in the Student Financial Services Office by the date and time listed in the University Calendar, which is available online. Failure to pay or pending (based on financial aid or third-party sponsorship) may result in registration cancellation. A \$100 late payment fee may be assessed on all tuition and fees not pending or paid in full by the date and time listed in the [University Calendar](#). If your tuition bill is deferred against pending financial aid, your aid must be disbursed to your account prior to the expiration date for financial aid or you may be assessed a \$100 late payment fee. FINANCIAL AID IS NOT AUTOMATIC. You should check the status of your aid in your myWings account to ensure that you have completed all documents, signed promissory notes for loans, etc. NOTE: To qualify for student loans, you must be enrolled in at least six degree-applicable credit hours.

A fee transaction of at least one-third the tuition and fee amount confirms a student's intention to attend all courses for which they are registered at the close of the drop/add period. Regardless of class attendance, students are fee liable for all courses for which they are registered unless they drop the course(s) by the published deadline to do so regardless of attendance in the class.

A fee payment check returned for any reason (i.e., insufficient funds, stop payment, account closed, incorrect account number for e-check) does not cancel the student's fee liability. A service charge and a \$100 late payment fee (if restitution is not made by the payment deadline) may be assessed and payment must be made by cash, money order or certified check. If the University has received one returned check, future payments must be made with certified funds (cashier's check, money order, credit card). Personal checks will not be accepted for a period of one year. A returned e-check for an incorrect account number may result in the assessment of a \$100

late payment fee if restitution is not made by the payment deadline. A third return for an incorrect account number for an e-check will result in a \$25 service charge (in addition to the \$100 late payment fee, if appropriate) and payment must be made by money order or certified check. Personal checks will not be accepted for a period of one year.

View the University's official [policy on payment of tuition and fees](#).



Florida Prepaid

There are two main types of tuition prepaid plans - (1) tuition or (2) tuition and local fees. Tuition plans cover the tuition, financial aid & capital improvement fees at the undergraduate rate (see the [current tuition and fee schedule](#)). Students with tuition only plans and no pending financial aid will have to pay the local fees (see the [current tuition and fee schedule](#)) by the tuition deadline to avoid having a \$100 late payment fee assessed to their account. Students who have tuition and local fee plans have most of their fees covered, but will have to pay some fees - the technology fee, transportation access fee, student life and services fee (see the [current tuition and fee schedule](#)) and other nominal charges (such as lab fees, distance learning or ID card fee).

The Student Financial Services Office automatically defers the Florida Prepaid amount on the student's bill based on the number of credit hours registered or the number of hours remaining on the student's prepaid plan, whichever is less. This amount will display on myWings as "Credit Balance" on "My UNF Bill." Students who do not want the University to bill Florida Prepaid need to opt out on myWings. Students who have Florida Prepaid for residence hall charges must submit a copy of their Prepaid card to housing by the deadline to pay tuition and housing. The payment is not posted to the students' accounts until the payment is received by Florida Prepaid.



Waiver of Tuition

The University of North Florida waives in-state tuition and out-of-state fees for purposes that support and enhance the goals of the State and the mission of the University. Waivers are established as mandated, authorized or allowed by the Board of Governor (BOG) Regulations, Florida Statutes (FS) and University of North Florida Board of Trustee (BOT) Regulations.

For current waiver of tuition information, please refer to the UNF [University Accepted Waivers](#) webpage.

View the University's current [official policy](#).



Tuition and Fee Refund

The University's fee refund procedures can be viewed at the [UNF Controllers office website](#). Refunds of 100 percent will be issued for each course dropped before the close of the add/drop period indicated in the [UNF Academic Calendar](#). Students can drop courses online via their myWings web portal or in person by visiting One-Stop Student Services located in Building 53-Hicks Hall. A 100 percent refund will be made for University cancellation of courses or denial of a student's admission to a course. Courses dropped within this period will not appear on the student's transcript.

After the close of the add/drop period, students who completely withdraw from the University by the published deadline will receive a 25 percent refund if the student's recorded withdrawal is on or before the date indicated on the University's [UNF Academic Calendar](#) as the last day to receive a 25 percent refund. However, written, email notice of withdrawal via the student's UNF email may be given by the 25 percent refund deadline. This 25 percent refund applies only to fall, spring, and full term (C session) summer. There is no refund for a partial withdrawal after the add/drop period or for Summer A and B terms.

Refunds of 100 percent of tuition may be granted in instances of withdrawal from the University under the following conditions provided written explanation and supporting documentation are submitted to the appropriate University Office:

1. Student's involuntary call to active military duty.
2. Death of the student or a member of the student's immediate family (parent, spouse, child, sibling, grandparents).
3. Incapacitating illness of such duration or severity that completion of the term is impossible. Must be confirmed in

writing by a licensed physician, .

4. A situation in which the University is in error.
5. Other documented exceptional circumstances beyond the control of the student which precluded completion of the course(s), accompanied by supporting documentation.

Fee petitions: students or someone acting on the student's behalf with written authorization, must file within six (6) months of the close of the semester to which the refund or action is applicable. Special requests for an extension of the six (6) month deadline must include specific facts indicating special circumstances which (i) were beyond the control of the student (ii) clearly impaired the student's physical or mental ability to correct their academic/financial record at the University (iii) are supported by written explanation and verifiable documentation. Petitioning for a refund is not a guarantee that a refund will be approved. Tuition fee refunds provided to students will be processed against any outstanding tuition assessments prior to remitting a refund to the student.

The fees listed below may only be waived for certain reason such as documented University error, documented administrative error, or documented extraordinary circumstance, such as a severe illness, a death in the family or natural disaster. Additionally, supporting documentation is required and tuition must be paid prior to submitting a request to waive a late payment fee. The late payment fee will not be waived due to: lack of funds, unawareness of deadlines, unawareness of acceptable payment types, or Internet connectivity issues.

1. Repeat Surcharge
2. Excess Hours Fee
3. Miscellaneous fees such as Orientation, ID, WOW, A&S fees, Return Check Fees, etc.
4. Late payment, late registration, and re-registration fees

View the University's [official policy](#) on special fees, fines and penalties as they relate to tuition and fees.



Reinstatement of Registration

Students whose courses are administratively dropped due to failure to pay or pend fees may submit their request for reinstatement online via their myWings web portal before the reinstatement deadline as noted in the [University Calendar](#), which is available online. Students must reinstate in all courses for which they were originally registered and must immediately pay all delinquent financial liabilities. Additionally, the student will be charged a \$100 re-registration fee and a \$100 late payment fee.



Fee Petitions & Financial Holds

Fee Petitions

To request a full refund after the add/drop period, a student may file a petition if one of the following conditions are met and documentation is provided:

1. Student's involuntary call to active military duty (refer also to the catalog section titled *Military Withdrawal Policy*)
2. Death of a member of the student's immediate family (parent, spouse, child, sibling)
3. Incapacitating illness of such duration or severity, as confirmed in writing by a physician, that completion of the term is impossible
4. A situation in which the University is in error

PLEASE NOTE: Medical withdrawals should be submitted to the Office of the Dean of Students at 904-620-1491 or deanofstudents@unf.edu and not submitted via a fee petition.

To file a fee petition, a student, or someone acting on the student's behalf with written authorization, must:

1. Officially withdraw from the course(s) or the University;
2. Complete a fee petition online via myWings (Student Records tile, Student Self-Service, Online Forms, Fee Petition) and attach documentation supporting one of the conditions indicated above.

The petitioner will receive an email confirmation that the petition was successfully submitted and will be notified via email of the committee's decision (allow 2-3 weeks). Students have six months from the end of the semester in question to file a fee petition. Petitioning for a refund does not guarantee that a refund will be

approved. The decision of the Fee Committee is final. By state statute, students may not petition for a refund of the third attempt repeat surcharge or excess hours fee. Miscellaneous fees such as orientation, ID or WOW, or parking permit late fee CANNOT be petitioned.

Tuition fee refunds provided to students will be processed against any outstanding charges prior to remitting a refund to the student.

Financial Holds

Failure to pay outstanding amounts due to UNF will result in a financial hold being placed on the student's records and may also result in a \$100 late payment fee. A financial hold prohibits the processing of requests for transcripts, registration, reinstatement, enrollment verification, release of grades, and receipt of diploma until the debt is cleared by the Student Financial Services Office. Debts in excess of \$500 will prohibit students from registering for future semesters. Continued failure to pay may result in the account being sent to a collection agency with additional collection fees of up to 33.3 percent being assessed to the student's account and may be reported to a credit bureau.



Osprey 1Card

The Osprey 1Card is the official identification card of the University of North Florida. Issued to all members of our community, it is required for identification, access to essential campus services, housing room access and offers prepaid convenient accounts for making purchases on campus.

Your [Osprey 1 Card](#) is THE most important card that you will have at the University of North Florida – vital for accessing campus services. Please carry your card with you at all times. To ensure durability and validity, do not tamper with, punch holes in, or misuse the card, and protect it from damage by avoiding magnets.

For more information, visit the [Osprey 1Card Office website](#) or visit us in person.

Osprey 1Card Office

Building 8, 1st floor, Room 1100

Monday - Tuesday 8:00 am - 6:00 pm

(except during intersession)

Wednesday - Friday 8:00 am - 5:00 pm



Parking & Permit Fees

[UNF Parking Services Information](#)

Here at UNF, all parking permits are virtual and linked to your license plate when you register your vehicle online through your Parking Account via [myWings](#) Web portal. It is critical to make sure your Parking Account has your correct license plate information listed. Enforcement is handled by vehicles equipped with license plate recognition cameras that drive through the lots scanning license plates. You'll need to park your vehicle "nose in" so your license plate is visible to the cameras.

Students who do not buy an annual or term permit must purchase a daily permit from our Pay-by-Plate kiosks. (Helpful hint: Take a picture of your tag and keep it on your phone for reference when needed.) Kiosks located within the core of campus sell \$5.00 daily permits and are valid for both Blue lot and Gray lot parking locations. Kiosks located in the perimeter lots such as 18 or 53 sell \$2.00 daily permits and are valid in Gray lot parking locations ONLY.

In combination with the Virtual Permit and Pay-by-Plate kiosks, a Pay-by-Phone application known as flowbird is available providing the opportunity to pay for your virtual parking permit by mobile phone. To get started you will need to download the flowbird phone app on your mobile phone or visit www.flowbirdapp.com. For additional questions, please click on the [visitor's](#) link.

All annual and term permits must be purchased online via [myWings](#) Web portal. The ability to purchase permits opens to students at different times in July depending on the number of completed credit hours and/or whether or not the student is commuting or living in University housing. Students must be registered for classes in order to purchase annual or term permits.

Please check the web site at the link noted above for more information.

Fees for permits available to students August 16, 2021 – August 15, 2022:

Parking Fees

Blue Lot Annual	\$148.83 + sales tax	= \$160.00 total
Blue Lot Term	\$88.37 + sales tax	= \$95.00 total
Night Blue Lot (after 4 pm) Annual	\$88.37 + sales tax	= \$95.00 total
Night Blue Lot (after 4 pm) Term	\$51.16 + sales tax	= \$55.00 total
Housing Annual	\$190.69 + sales tax	= \$205.00 total
Housing Term	\$116.27 + sales tax	= \$125.00 total
Gray Lot Annual	\$88.37 + sales tax	= \$95.00 total
Gray Lot Term	\$51.16 + sales tax	= \$55.00 total
Motorcycle Annual	\$60.46 + sales tax	= \$65.00 total

Please visit https://youtu.be/ly_aYSgcmWk to review how to order an annual or term permit.

Please check the [Student Parking](#) page or call (904) 620-2815 for general parking information.

Shuttle Bus Service

UNF Shuttle Bus Information

The Osprey Connector is the on-campus shuttle bus service providing easy access from lots 18, 53 (Hicks Hall) and 65 (The Flats at UNF) to the core of campus and return. Operating hours are usually Monday through Friday 7 a.m. to 3 a.m. On Sunday evenings from 6 p.m. to 12 a.m. shuttle bus service is provided from lot 53 to the residence halls. The Town Center Shuttle provides service from the Library to the St. Johns Town Center. Operating hours are usually Monday through Thursday 10 a.m. to 4 p.m. and Friday through Sunday 11 a.m. to 3 p.m. Summer hours will vary for both shuttles. Routes can be viewed through the [shuttle map](#) and can be tracked real-time via [DoubleMap](#) app.

A transportation access fee of \$4.08 per credit hour will be charged to all students. Students are not required to show ID nor pay any additional amount when utilizing the shuttle service.

For more information on the shuttle and route maps, please check the web site at the link noted above or call (904) 620-5718.

While all buses are ADA accessible, the Osprey Transit is a bus service dedicated to assist those with mobility needs by providing pick-up and drop-off service beyond the Osprey Connector shuttle stops. Operating hours are typically 7:30 a.m. to 9:00 p.m. Monday – Friday. Service can be scheduled by calling (904) 620-5718.



Florida Residency for Tuition Purposes

Tuition and fees at each public institution in Florida are set by the Florida Legislature with limited flexibility given to the University Boards of Trustees. These fees are assessed on the basis of residency, i.e., enrolling students are classified either as “Florida” or “Non-Florida” residents for tuition purposes.

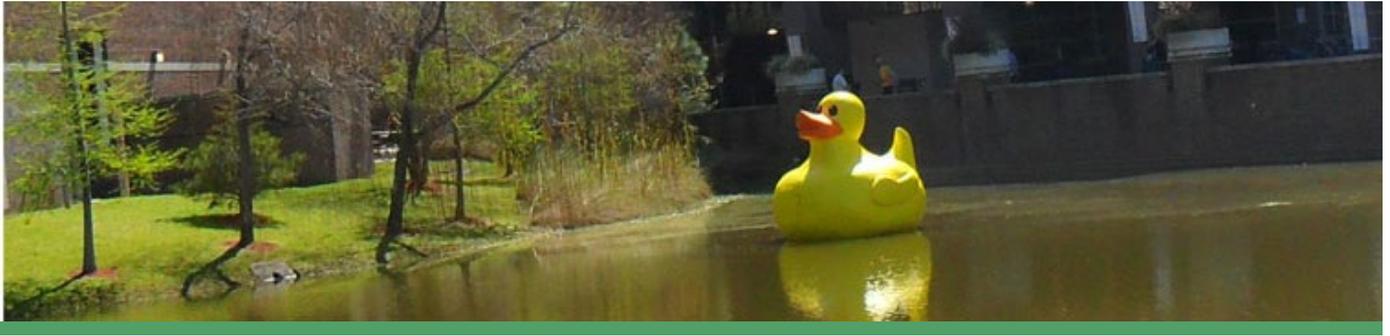
In the determination of an applicant's resident status for tuition purposes, it is the policy of the University of North Florida to follow laws of the state of Florida, as well as regulations and policy guidelines established by the Florida Board of Governors. The policy on residency status for tuition purposes as adopted by the University of North Florida is subject to [Florida Statute 1009.21](#) and the [Florida Board of Governors Regulation 7.005](#).

The law allows U.S. citizens and lawful permanent residents to be classified as Florida residents for tuition purposes if the applicant or the dependent applicant's parent/legal guardian has been a legal resident of the state for at least 12 months preceding the first day of classes of the term for which Florida residency is sought.

A student must submit proper documentation before being classified as a Florida resident for tuition purposes. For the most current, comprehensive guidelines for residency documentation requirements and regulations, please visit the “Residency Guidelines” section at www.floridashines.org. For information regarding the procedures by which the documents are processed at the University of North Florida, please visit our [residency documentation website](#).

To view other admissions information, please visit the [All Students](#) section of the catalog.

View the University's current [official policy](#).



Reclassification of Residency Status

In the determination of residency reclassification requests, it is the policy of the University of North Florida to follow laws of the state of Florida, as well as regulations and policy guidelines established by the Florida Board of Governors. The policy on residency reclassification for tuition purposes as adopted by UNF is subject to [Florida Statute 1009.21](#) and the [Florida Board of Governors Resolution](#).

Students must submit proper documentation before being reclassified as a Florida resident for tuition purposes. All requests for change of residency from undergraduate students with supporting documentation should be submitted to One-Stop Student Services within the deadline period noted in the Academic Calendar. All requests for change of residency from graduate students, along with supporting documentation, should be submitted to The Graduate School before the deadline noted in the Academic Calendar. Requests will be reviewed and approved if documentation meets state of Florida residency reclassification requirements. If the reclassification request is denied, the student may file an Enrollment Services Appeal, via myWings, for review by the Residency Appeals Committee. Students must provide copies of all documentation with their appeals. Students will be notified by email to their UNF myWings email account of the final reclassification decision.

For the most current, comprehensive guideline to residency documentation requirements and regulations, visit the "Residency Guidelines" section at www.floridashines.org. For information regarding the procedures by which the documents are processed at the University of North Florida, please visit our [residency reclassification website](#).



Student Financial Aid

Application Procedures

The Office of Student Financial Aid at the University of North Florida is committed to serving all students. Its purpose is to provide financial assistance for students who would be unable to further their education without such support. Although the University expects students and/or their families to make a maximum effort to help with University expenses, educational opportunities should not be limited by the financial resources of students and their families.

UNF provides a comprehensive student financial aid program. Aid eligibility is based on individual need, educational costs and availability of funds. Awards may consist of scholarships, loans, grants, waivers/exemptions and/or work study. Funds are limited; therefore, students are encouraged to complete a [Free Application for Federal Student Aid \(FAFSA\)](#) as soon as possible after it becomes available online on October 1 each year using UNF's FAFSA school code, 009841. The priority consideration date for financial aid is October 15.

Students from the State of Florida also need to complete the [Florida Financial Aid Application \(FFAA\)](#) no later than August 31 after high school graduation. State of Florida programs, such as the Florida Student Assistance Grant and Bright Futures, require the FFAA. The Florida Bright Futures Scholarship does not require the FAFSA.

Inquiries concerning financial aid should be directed to One-Stop Student Services. Please be advised that:

1. If selected for verification, students may be required to provide signed copies of relevant income tax information. Dependent students may also be asked to provide signed copies of parent tax information. Independent, married students may be asked

to provide signed copies of spouse tax information. Other information may also be requested to meet federal verification regulation requirements. Student-specific information about financial aid requirements can be found in myWings.

2. To be awarded financial aid, a student must be accepted as degree-seeking and be enrolled in a sufficient number of degree-applicable credit hours. Courses taken in an audit status are not eligible for financial aid, nor can they be considered when determining enrollment for financial aid.
3. For financial aid purposes, full-time enrollment is defined as a minimum of 12 credit hours per term for undergraduate and post baccalaureate students and a minimum of nine credit hours per term for graduate students. Students who enroll less than full-time may have their awards reduced or, in some cases, canceled. Please be advised that certain scholarships and institutional grants require enrollment in 15 credit hours for eligibility.

Tuition deferment

If a student has accepted financial aid award(s), the University will typically defer the payment of tuition. This deferment of tuition and fees based on anticipated financial aid will expire several weeks into the term. If a student's anticipated aid has not disbursed by the time the deferment expires, the student may be assessed a late fee. In these situations, the financial aid is not necessarily lost or canceled; it simply indicates the tuition deferment has expired. Students should proactively monitor their myWings and UNF e-mail accounts for financial aid requirements and/or messages. Federal Work-Study Program cannot be used for tuition deferment.

Students who are not eligible for tuition deferment must make their payment online via myWings or in person at the Office of Student Financial Services by the payment deadline posted on the Academic Calendar.

Financial aid and scholarship disbursement

The first disbursement of financial aid usually occurs during the third week of classes. Financial aid refunds are issued to eligible students on a weekly basis throughout the term. Under the Federal Direct Loan Program, first-time borrowers at UNF must complete [loan entrance counseling](#) and sign a [Master Promissory Note](#) before funds may be released. Please note that all tuition/fees, housing charges and other authorized University debts will be deducted from

the student's financial aid before any other action is taken. Once all institutional fees have been paid, any remaining funds will be electronically deposited into the student's bank account if the student has elected to enroll in [Direct Deposit](#).

NOTE: Students may submit the online Financial Aid Authorization Form via myWings to authorize payment of miscellaneous charges from financial aid awards.

For more information, please contact One-Stop Student Services at (904) 620-5555 or via email at onestop@unf.edu.

Financial Aid Bookstore Authorizations

Students who have financial aid in excess of their cost of tuition and other allowable charges will receive a refund for the surplus amount. As a courtesy to students, the University of North Florida may authorize students who anticipate a financial aid refund to use all or part of that refund at the UNF Bookstore prior to disbursement. The amount of the bookstore authorization is based on an anticipated financial aid refund and may not exceed \$600 per term. Eligible students will receive notification of their bookstore authorization via their UNF e-mail account.

A bookstore authorization is part of a student's total financial aid package — it is not additional funding. Changes to enrollment, especially changes that increase a student's fee assessment, may result in changes to the actual value of the bookstore authorization. Students will be notified via their UNF e-mail account of increases and decreases to their bookstore authorization.

Bookstore authorizations may only be used during a specific time frame, generally through the end of the add/drop period. Students are encouraged to monitor their e-mail account in myWings for notifications related to bookstore authorization dates and amounts.

Documentation of Academic Engagement

The US Department of Education (ED) requires institutions to document whether or not a student established eligibility for any period of enrollment in which the student receives federal Title IV aid. Students who are not marked by their instructor(s) as having engaged in an HEA recognized academic engagement may not receive [Federal Title IV aid](#) for that course, regardless of enrollment.

Satisfactory Academic Progress (SAP)

The Higher Education Act of 1965, as amended, requires institutions of higher education to establish and apply standards of academic progress that all students must meet to qualify and remain eligible for assistance from the Title IV student financial aid programs.

Therefore, to maintain Satisfactory Academic Progress to be eligible to receive financial aid, students must maintain a specified grade point average and proceed through the program at a pace leading to completion within a specified time frame. Satisfactory Academic Progress (SAP) will be measured at the end of each term and is based on the following standards:

Pass Rate (Pace):

Students are required to earn a minimum of 67% of the hours they attempt overall cumulatively. Pace is measured by dividing the overall cumulative number of credit hours earned by the overall cumulative number of hours attempted. Pass Rates/Pace will follow standard rounding rules (e.g. 66.66% will be rounded to 67%).

Grade Point Average:

All Undergraduate and Post Baccalaureate students must achieve a minimum overall cumulative grade point average of 2.00 at the end of each term. Certain programs of study may be held to a stricter standard (e.g. most Education majors must earn an overall cumulative GPA of 2.5 and American Sign Language majors must earn an overall cumulative GPA of 2.75 at the end of each term). Graduate students must achieve a minimum overall cumulative grade point average of 3.00 at the end of each term.

UNF grade point averages are calculated unrounded.

Maximum Time Frame:

Students are required to complete their degree within 150% of the published length of their program. In accordance with federal regulation, students will be suspended for exceeding the maximum time frame when it has been determined that they cannot mathematically complete their degree program within the allowable time frame. For most undergraduate students (including post-baccalaureates and students pursuing dual

degree, double majors and/or minors), this is calculated as 180 attempted credit hours.

View the University's official [SAP policy](#).

[Return of Title IV Aid](#)

Withdrawing from classes may impact a student's financial aid. Students who withdraw from classes and have received Title IV Aid may be required to repay the amount of unearned aid. The amount of unearned Title IV funds is calculated based on the percentage of the term completed prior to the date of withdrawal. The repayment amount is determined in accordance with Section 484B of the Higher Education Act of 1965, as amended. Unearned Title IV aid must be returned to the applicable federal programs in the following order:

- Federal Direct Unsubsidized Loans
- Federal Direct Subsidized Loans
- Federal Direct Graduate PLUS Loans
- Federal Direct PLUS Loans (for parents)
- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grants

Students who did not attend any classes will be required to return all funds disbursed.

Consumer Information

The Higher Education Act of 1965 (HEA), as amended, requires institutions that receive Title IV funding to provide specific [consumer information](#) about the school to prospective and enrolled students and their families, and, in some cases, prospective and current employees.



Types of Undergraduate Financial Aid

Federal Pell Grant: This is a need-based, Title IV federal grant program designed to provide financial assistance to undergraduate students. Pell Grants are intended to be the base of a financial aid package and may be combined with other forms of aid in order to meet the cost of attendance. The amount of the grant is based on financial need, cost of attendance and enrollment status. Students may apply by submitting an error-free [Free Application for Federal Student Aid \(FAFSA\)](#).

Federal Supplemental Educational Opportunity Grant Program (FSEOG): This federal grant program is designed to assist undergraduate students who demonstrate exceptional financial need and who qualify for a Federal Pell Grant. Award amounts are based on the amount of need and availability of funds. Students may apply by submitting an error-free [Free Application for Federal Student Aid \(FAFSA\)](#).

Florida Student Assistance Grant (FSAG): This State grant program was established to provide awards to qualified undergraduate students who are Florida residents attending accredited colleges, universities and community/state colleges in Florida. UNF selects eligible recipients based on need, FAFSA filing date, enrollment and availability of funding. Students may apply by submitting an error-free [Free Application for Federal Student Aid \(FAFSA\)](#).

UNF Institutional Grants: The University of North Florida offers a variety of grants for undergraduate students who demonstrate financial need. Awards range in value and have various enrollment requirements. Awards are made on a first-come, first-served basis as determined by a student's FAFSA filing date and financial need.

[Federal Iraq & Afghanistan Service Grant](#): This federal grant program provides assistance to students whose parent or guardian died as a result of military service in Iraq or Afghanistan. This grant is equal to the amount of a maximum federal Pell Grant for the award year, but cannot exceed your cost of attendance for that award year.

[Children of Fallen Heroes Scholarship](#): This federal grant program provides assistance to students whose parent or guardian died in the line of duty while performing as a public safety officer. This grant is equal to the amount of a maximum federal Pell Grant for the award year, but cannot exceed your cost of attendance for that award year.

[William D. Ford Direct Loan Program](#): Unlike grants, Federal Direct Loans are financial aid awards that must be repaid. UNF encourages students to make informed decisions when opting to borrow under ANY student loan program. Federal Direct Loans are administered by the U.S. Department of Education. To apply for Direct Loan funding, students must file the [FAFSA](#) and be enrolled at least half-time (six credit hours) in degree-applicable coursework.

[Federal Direct Subsidized Loan Program](#): Direct Subsidized loans are awarded to undergraduate students on the basis of financial need, as determined by the FAFSA. Direct Subsidized loans do not accrue interest while students are enrolled at least half-time in degree-applicable coursework or during authorized periods of deferment. Loan repayment begins six months after the student graduates, leaves school or drops below half-time enrollment.

The U.S. Department of Education has implemented regulations that limit a first-time borrower's eligibility for Direct Subsidized Loans to a period not to exceed 150% of the length of the borrower's educational program. Please visit [Federal Student Aid](#) for more information.

[Federal Direct Unsubsidized Loan](#): Direct Unsubsidized loans allow undergraduate students to borrow loan funds beyond their subsidized loan amount, within the loan limits, but not to exceed cost of attendance minus other financial aid. Interest begins accruing as soon as the loan disburses. Students have the option to defer interest payments until the loan enters repayment. Loan repayment begins six months after the student graduates, leaves school or drops below half-time enrollment.

Federal Direct Parent PLUS Loan Program: Federal Direct Parent PLUS loans are available to parents of dependent undergraduate students enrolled at least half-time in an eligible program. Parent PLUS loans are low-interest, credit-based loans available to supplement the student's financial aid package, up to the cost of attendance. Loan repayment begins upon disbursement to the school.

Federal Work Study: The Federal Work Study Program is a need-based federally-funded part-time employment program which allows eligible students to earn money to help pay for education expenses. Students are paid an hourly rate on a bi-weekly basis. Students must demonstrate financial need through completion of the [FAFSA](#) and be enrolled in a minimum of six credit hours of degree-applicable coursework. Students are not eligible for Federal Work Study during summer terms. Federal Work Study cannot be used to defer tuition, room or board.

Scholarship Programs

The University of North Florida offers a comprehensive scholarship program to attract and reward students who have superior talent in academics, athletics, fine arts and extracurricular activities. Because some of our scholarships are need-based, we encourage students to file the [Free Application for Federal Student Aid \(FAFSA\)](#).

Institutional Scholarships: All incoming freshman who apply to UNF are automatically considered for scholarships based on their admissions application information. Scholarships are awarded based on a variety of factors, including high school grade point average, SAT or ACT test scores and talent. Transfer students may also be considered for institutional scholarships based on their admissions application information, transfer grade point average and intended major.

Foundation Scholarships: Foundation scholarships are funded through contributions made to UNF from private donors. These awards have specific eligibility requirements regarding the awarding and renewal of the scholarships which have been established by the donor and the University. Please visit the UNF [Financial Aid website](#) for detailed information concerning these scholarships.

State Scholarships: State scholarships are funded by the State of Florida. The State determines the recipients as well as when and how these awards are allocated. The University must confirm

student eligibility. The most prominent example of a state funded scholarship is the [Florida Bright Futures Scholarship Program](#). Students work with their high school guidance counselors to apply for the Florida Bright Futures Scholarship no later than August 31 after high school graduation. To learn more about the Florida Bright Futures Scholarship Program, please visit [Florida's Office of Student Financial Assistance \(OSFA\)](#).

Appeals Procedure: If a student believes that some aspect of his or her financial situation, which would affect the evaluation of financial need, was overlooked during the award process, the student is entitled to an appeal. To request an appeal, please contact [One-Stop Student Services](#). Appeals of financial aid offers are subject to Federal, State and University regulations, as well as availability of funds.



Undergraduate Scholarship Programs

The University of North Florida offers a comprehensive scholarship program to recruit and retain academically talented students. To be considered for any UNF scholarship, a student must first apply and be admitted to the University. Because many of our scholarships require that students file the Free Application for Federal Student Aid (FAFSA), we recommend that all students interested in scholarships complete the FAFSA as soon as possible after it becomes available online, October 1. This application can be completed online via the Department of Education's website at <https://studentaid.gov/>.

Undergraduate scholarships may be categorized into three distinct areas: Institutional, Foundation and State Scholarships.

- **Institutional Scholarships:** All incoming first time in college (FTIC) students who apply to UNF are automatically considered for scholarships. Scholarships may be awarded based on merit and/or need. High school grade point average and SAT or ACT test scores are also considered. Some scholarships also require a scholarship application. Transfer students may be considered for institutional scholarships based on their admission application information, transfer grade point average and intended major.
- **Foundation Scholarships:** Foundation scholarships are funded through contributions made to the University from private donors. The specific eligibility requirements regarding the awarding and renewal of these scholarships have been established by the donor and the University. For more information please visit the [Foundation](#) website.
- **State Scholarships:** State scholarships are funded by the State

of Florida. The state determines the recipients, as well as when and how the awards are allocated. The University must confirm student eligibility. The most prominent example of a state-funded scholarship is the Florida Bright Futures Scholarship Program. Students work with their high school guidance counselors to apply for the Florida Bright Futures Scholarship no later than August 31 after high school graduation. Learn more about the [Florida Bright Futures Scholarship](#) and other state-sponsored programs.

The following sites contain valuable information about scholarships available to UNF undergraduate students.

UNF Scholarships

- [Freshmen](#)
- [Transfer Students](#)
- [Foundation Scholarships](#)
- [International Students](#)
- [First Generation Students](#)
- [Student Government](#)
- [Undergraduate Scholarships by College](#)

Other Resources

- [State Scholarship and Grant Programs](#)
- [Scholarship FAQs](#)
- [Hicks Honors College](#)



Types of Graduate Financial Aid

Federal Direct Unsubsidized Loans: Federal Direct Unsubsidized Loans are available for students who do not demonstrate need or who have exhausted their need-based aid eligibility before reaching their estimated cost of attendance. To be eligible, students must be admitted to the University, degree-seeking, have a valid [FAFSA](#) on file and enroll in at least six degree-applicable credit hours. Students who borrow under this program are required to pay the interest while in school but have the option to defer the interest payments until the loan enters repayment. Loan repayment will begin at the end of the six-month grace period after the student graduates or ceases to be enrolled at least half-time (defined as six credit hours).

Federal Work Study: The Federal Work Study Program is a federal program supported with matching funds from UNF. This program provides employment opportunities and work experience to students while they attend school. Students are paid an hourly rate on a bi-weekly basis. Students must demonstrate financial need through completion of the [FAFSA](#) and be enrolled in at least six credit hours. Federal Work Study awards cannot be used to defer tuition, room or board

Federal Direct Graduate PLUS Loans: The Direct Graduate PLUS Loan is a low-interest loan available to students enrolled in a graduate or professional degree program. The student's eligibility for a Direct Graduate PLUS loan is determined by a credit check conducted by the U.S. Department of Education. Students must be admitted to the University, degree-seeking and enrolled in at least six degree-applicable credit hours. An eligible graduate student may borrow up to their cost of attendance minus other sources of aid. Students who borrow under this program are required to pay the interest while in school but have the option to defer the interest

payments until the loan enters repayment. Loan repayment will begin at the end of the six-month grace period after the student graduates or ceases to be enrolled at least half-time (defined as six credit hours).

Graduate Assistantships: A limited number of graduate assistantships and fellowships are available to qualified students. Graduate students who wish to apply for assistantships should write to the chairperson of the department in which they plan to enroll. Graduate students must be enrolled in nine credit hours for fall and for spring or six credit hours for summer to be employed and classified as a graduate assistant. Continuation of the award is based on the student's satisfactory performance in both academic and assigned duties.

Graduate Matriculation Fee Waivers: The State of Florida funds a limited number of graduate matriculation fee waivers for graduate students who are on either graduate assistantships or fellowships. These matriculation fee waivers can be used to offset a portion of a graduate student's in-state tuition. Eligible students must be admitted to the University as degree-seeking graduate students. Because each college administers this program using different requirements, students are encouraged to contact their individual college as early as possible to determine their eligibility.

Out-of-State Tuition Waivers: Out-of-State tuition may be waived for certain full and part-time enrolled non-Florida residents who have skills or abilities which will contribute to the academic environment of the University. UNF attracts a great majority of its students from Northeast Florida. In an effort to create a diversified student body, the University actively seeks students who reside outside of Florida. Non-Florida resident students should contact the individual college to apply. Awards are made based on the availability of funds.



Graduate Scholarship Programs

Graduate students interested in scholarship information may obtain additional information from the Graduate School. Graduate students should contact their Graduate Program Director for other fellowship, grant and scholarship opportunities.

[The Graduate Scholarship](#)

The Graduate Scholarship is awarded to newly admitted students who exhibit commendable academic merit and the highest financial need.

[Delores Auzenne Fellowship for Graduate Study](#)

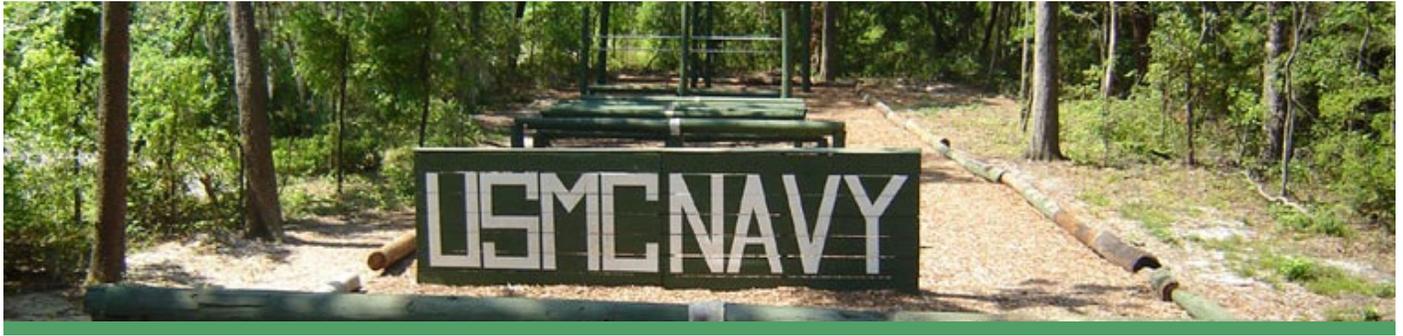
The Auzenne Fellowship is designed to assist Florida's state universities in increasing the enrollment of students in underrepresented disciplines.

[Graduate Research Grant Program](#)

The Graduate School offers a limited number of grants each term to graduate students pursuing experiences that are potentially transformative, both for advancing their scholarship and creativity and for expanding their future career opportunities.

[Student Affairs International Learning Scholarship \(SAILS\)](#)

Graduate students planning to study abroad are eligible to receive the Student Affairs International Learning Scholarship (SAILS).



VA Programs, Eligibility and Benefits

The [Military and Veterans Resource Center \(MVRC\)](#) is available to assist veterans eligible for any of the educational benefit programs administered by the Veterans Administration. Students who believe that they are eligible for benefits may receive assistance by calling the MVRC at (904) 620-5131. All degree programs at UNF are approved for VA purposes by the State Approving Agency for veterans training, however, certificate programs vary. Any questions concerning this process should be referred to the MVRC. Students must expect a possible delay of up to 60 days for receipt of benefits during their first term at UNF to allow for processing of forms at the regional level.

Applying for Benefits

Students may apply online through the Department of Veterans Affairs Online Application (VONAPP), located at <https://www.va.gov/education/how-to-apply/>. Students without the capability to apply online can call 1-888-GI-BILL-1 to have a form mailed.

Recommended schedule for the submission of forms:

- First application 10 weeks before semester
- Transfer from out-of-state 10 weeks before semester
- Transfer from school in Florida 6 weeks before semester
- Return to UNF after two semester absence 6 weeks before semester.

Students who plan to attend UNF under any of the veterans training programs must contact the MVRC to establish initial certification. In subsequent semesters, the VA Certifying Official will automatically certify enrollment for courses appearing on the Veterans Education

recipient's UNF Degree Evaluation. Students must see the VA Certifying Official to opt out of automatic certification for any given semester or course.

Benefit Chapters

Chapter 30 — Montgomery G.I. Bill®: First entered active duty July 1, 1985 or later and completed initial obligated period of active duty of two years or more or who completed two years of active duty and entered the selective reserve for four or more years. Certain Chapter 34-eligible students are entitled after Dec. 31, 1989. Student is responsible to pay tuition and fees to the school by the payment deadline. VA will pay a monthly stipend to the student based on certified hours of enrollment.

Chapter 31 — Vocational Rehabilitation: Must have a service-connected disability rated at 10 percent or more which causes a demonstrable employment handicap, and signed up prior to April 1, 1987 to make contributions. VA will pay tuition and fees, and other costs on a case by case basis, directly to UNF. VA will also pay a monthly subsistence allowance to the student based on actual enrollment.

Chapter 32 — Veterans Educational Assistance Program:

Served on active duty for at least 181 continuous days and enlisted for the first time between Jan. 1, 1977 and June 30, 1985 inclusive, and signed up prior to April 1, 1987 to make contributions. Certain persons could have converted to Chapter 30 by Oct. 1, 2001. Student is responsible to pay tuition and fees to the school by the payment deadline. VA will pay a monthly stipend to the student based on certified hours of enrollment.

Chapter 33 — Post 9/11 G.I. Bill: Served on full-time active duty for at least 90 aggregate days or at least 30 days with a disability discharge after Sept. 11, 2001. Benefit level will be based on length of service. VA will pay tuition and fees not to exceed the maximum in-state tuition and fees at a public institution, prorated based on benefit level and actual hours of enrollment. VA will pay a monthly Basic Allowance for Housing and an annual books and supplies stipend to students enrolled more than half-time, prorated based on benefit level.

Chapter 35 — Dependents Educational Assistance Program:

Spouse and/or child of a veteran with permanent and total service-

connected disability; or whose death was service connected; or who died of any cause while rated as having a permanent and total service-connected disability. Student is responsible to pay tuition and fees to the school by the payment deadline. VA will pay a monthly stipend to the student based on certified hours of enrollment.

Chapter 1606 — Montgomery G.I. Bill Selected Reserve: *Enlisted personnel:* enlisted, re-enlisted, or extended Selected Reserve enlistment for a six-year period after June 30, 1985. *Officers:* added six years to current Selected Reserve obligation after June 30, 1985. Student is responsible to pay tuition and fees to the school by the payment deadline. VA will pay a monthly stipend to the student based on certified hours of enrollment.



VA Certification of Enrollment

The Veterans Affairs Certifying Official will certify school attendance for students utilizing VA benefits to the appropriate Veterans Administration Regional Processing Office.

Undergraduate/Graduate Training Time Definitions — For a Standard Term

Time Type	Undergraduate	Graduate
Full Time	12 or more hours	9 or more hours
Three-Quarter Time	9-11	7-8
Half Time	6-8	4 -6
Less than Half Time/More than One-Quarter Time	4-5	
One-Quarter Time	1-3	1-3

To expedite processing of enrollment certification, students should request [certification of their credit hours](#) for VA education benefits. More information regarding student responsibilities is available [online](#).

In order to be eligible for benefits, veterans must maintain the same academic and conduct standards expected of all UNF students. Students will be placed on unsatisfactory progress status and benefits will be suspended when both the cumulative and term grade point average fall below a satisfactory level during the term following probation status. Undergraduate students who possess both a cumulative and current term UNF grade point average below 2.0, College of Education and Human Services students below 2.5 and Graduate students below a 3.0 are considered to have fallen

below a satisfactory level. All veterans should consult the Military and Veterans Resource Center (MVRC) for specific information about requirements for benefits. Contact the MVRC at (904) 620-5131.

VA Work-Study

Veterans receiving VA educational benefits, who are enrolled at three-quarter training time or more, can be eligible for VA Work-Study programs. If you are interested in these programs, contact the Military and Veterans Resource Center (MVRC) at (904) 620-5131.

Withdrawal for Military Service

Students who are called to active duty and unable to complete a semester may request a withdrawal from registered courses due to military service. The grade on the transcript will be "WS" and a tuition refund is generated. A copy of the orders is required to receive a [withdrawal for military service](#). Questions should be directed to the [Registrar's Office](#).



Federal Work Study at UNF

Federal Work Study (FWS) is a need-based federally-funded part-time employment program which allows eligible students to earn money to help pay for education expenses. Undergraduate, Graduate, Post Baccalaureate and Doctoral students are eligible to participate in Federal Work Study at UNF. Students must complete the Free Application for Federal Student Aid (FAFSA) each year to be considered for federal financial aid, including FWS. You may email fws@unf.edu from your secure UNF email account and ask to be evaluated for the fall and/or spring terms.

Federal Work Study awarding starts after the end of the add/drop period each term. If you do not see a FWS award as part of your financial aid package on your myWings, email fws@unf.edu to be considered for these funds.

Please note: FWS is not offered during the summer terms.

The FWS amount listed is the maximum amount you may earn for both fall and spring terms. FWS cannot be used to pend tuition, fees or other charges.

If you have difficulty finding a job, please email fws@unf.edu for assistance.

Obtaining a Work-Study Job

Once you have received your FWS email of eligibility, you may search available job postings at www.unfjobs.org, with position type "Federal Work Study." Departments will arrange interviews and, if hired, the supervisor will work with Human Resources and the Office of Student Financial Aid so you may begin working.

Students are limited to 20 hours per week and 40 hours per pay period. FWS cannot pay for any hours worked beyond these approved limits. Additionally, you may only earn up to your posted FWS award for the term. The amount awarded is split between the fall and spring terms. You will only be permitted to earn up to half of your annual FWS award each term.

Please note: FWS funds are not available to pay a student's tuition, fees, housing or meal membership charges directly. Federal Work Study students are paid according to the UNF bi-weekly payroll schedule based on the hours worked during the pay period.

FICA Exemption

Federal Work-Study employees¹ are qualified for the FICA exemption. Student employees who qualify for this exemption will not have Social Security or Medicare taxes deducted from their paychecks. Federal Income Tax withholding will still be deducted from a student employee's paycheck. The FICA exemption will be maintained through the end of any academic breaks less than five weeks long.

¹Budgeted employees who are enrolled in classes at UNF are not eligible for the FICA exemption.



University Policies and Regulations

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- [Computer and Internet Access](#)
- [Custodian of Records](#)
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- [Graduate Faculty Membership and Review](#)
- [Graduate Program Independent Learning Policy](#)
- [Intellectual Property Rights](#)
- [Release of Student Information \(FERPA\)](#)
- [Report an Incident & Resource Page](#)
- [Right of Appeal](#)
- [Sexual Misconduct](#)
- [Student Attendance](#)
- [Student Classification](#)
- [Transfer Student Bill of Rights](#)
- [University Classification](#)

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- [Admissions - FTIC](#)
- [Graduate Admissions](#)
- [Admissions - Transfer \(UG\)](#)
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- [Admissions - Students Seeking Readmission](#)
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- Schedule of Tuition and Fees
- Special Fees, Fines and Penalties

Note: Please refer to other college sections for college-specific policies



Division of Continuing Education at UNF

The Division of Continuing Education knows how to bring out the best in every student, whether you are preparing for graduate school, seeking certification, looking for advancement, changing careers or just taking courses for the pure enjoyment of learning. Through our non-credit courses and certificate programs, you will find individualized attention in all five of our continuing education sectors that include Professional Development, Enrich Jax, Osher Lifelong Learning Institute, Test Prep and Online Learning.

Visit the [Division of Continuing Education](#) for more details on their offerings.

Professional Development - www.unf.edu/ce/professional-enhancement.html

- Specialized Programs
 - [Customized Corporate Learning](#)
 - [Health and Fitness](#)
 - [Legal Programs](#)
 - [Sales and Marketing](#)
 - [Human Resources](#)
 - [Technical Writing](#)
- Financial
 - [2-15](#)
 - [Certified Financial Planner Certificate™](#)
 - [Certified Bookkeeper](#)
 - [Chartered Tax Professional](#)
- Leadership
 - [Leaders Edge Certificate](#)

- Leadership Academy Certificate
- The Art of Leadership

- Logistics
 - APICS Logistics, Transportation and Distribution
 - APICS Principles Distribution and Logistics
 - Corporate Supply Chain Certificate
 - Freight Agent Broker Training
 - International Logistics

- Project Management
 - Project Management Certificate
 - PMP® Certification Preparation
 - PMI Risk Management Professional

- Quality & Process
 - Lean Six Sigma Black Belt Certificate
 - Lean Six Sigma Green Belt Certificate
 - Lean Six Sigma Green Belt for Healthcare
 - Lean Six Sigma Yellow Belt
 - Construction Quality Management for Contractors (CQM-C)

Enrich Jax – www.unf.edu/ce/enrichjax.html

- Arts, Crafts and Hobbies
- Beer Brewing and Wine Tasting
- Health and Wellness
- Home and Garden
- Language and Culture
- Money Matters
- Photography
- Show Business
- Technology
- Writing
- Courses at YMCA

Osher Lifelong Learning Institute (OLLI) – www.unf.edu/ce/olli.html

- MEMBERSHIP
- ED-ventures
- Art History, Music
- Contemporary Issues

Creative Arts, Games, Hobbies

- Economics, Personal Finance, Law
- Environment
- Film, Photography
- Health, Wellness, Personal Development
- History, Archeology
- Languages
- Literature, Writing
- Math, Science
- Older Adult Issues
- Psychology
- Religion
- Technology
- Travel

Test Prep – www.unf.edu/ce/test-preparation.html

- ACT Schedule
- SAT Schedule
- GMAT Schedule
- GRE Schedule
- MCAT Schedule
- PMP Schedule
- SHRM CP/SCP Schedule

Student Service

Student Service encompasses [29 departments and units](#) providing a generous array of programs, services, and credit and non-credit learning opportunities that complement students' classroom experiences and prepare them for a post-college life as engaged citizens. Student Service delivers transformational learning opportunities such as study abroad, student leadership development programs, projects that develop civic responsibility, career identification and preparation programs, and hands-on involvement in campus governance.

Student Service departments also provide a wealth of services that can help students outside the classroom to enrich their lives and improve their studies. The [Counseling Center](#), [Department of Diversity Initiatives](#), [Disability Resource Center](#), [Fraternity and Sorority Life](#), [International Center](#), [LGBTQ Resource Center](#), [Military and Veterans Center](#), [Student Health Services](#), and more have resources to help students meet their personal needs and find their place on campus. [Career Services](#) offers assistance in navigating internships and finding employment, while [Osprey Life](#), the [Student Union](#) and [Recreation and Wellness](#) provide entertainment and wellness opportunities through the year.

Undergraduate and graduate students wishing to explore or enhance their grasp of various academic majors will also find meaningful non-credit experiences in a number of the Student Service departments. For example, Communications, English, and Art and Design majors can hone their skills on the staff of UNF's student media outlet, [Spinnaker Media](#); Accounting majors can serve on [Student Government's](#) Budget and Allocations Committee; and students in a variety of majors can find rewarding experiences in the [Student Union](#).

Student Service departments also offer opportunities specifically for graduate students. For instance, the [LGBTQ Resource Center](#) works with graduate students seeking practicum/internship and volunteer opportunities. The [Counseling Center](#) serves as an approved internship site for students completing their graduate training in mental health counseling. [UNF Preschool](#) and [Recreation and Wellness](#) both offer undergraduate and graduate students opportunities for internships and volunteer work. Opportunities also exist for veterans who apply for a Veterans Affairs (VA) Work Study

Departments and Programs

[Army ROTC](#)

[Campus Life](#)

[Career Services](#)

[Counseling Center](#)

[Dean of Students \(Conduct\)](#)

[Disability Resource Center](#)

[Department of Diversity Initiatives](#)

[Intercultural Center for Peace, DDI](#)

[Interfaith Center, DDI](#)

[Student Alliance for Inclusion and Diversity, DDI](#)

[Victim Advocacy, DDI](#)

position at the [Military and Veterans Resource Center](#).

[^ Go to top](#)

[Women's Center, DDI](#)

[English Language Program](#)

[Fraternity and Sorority Life](#)

[Housing and Residence Life](#)

[International Center](#)

[LGBTQ Resource Center](#)

[Military and Veteran Resource Center](#)

[Parents Association](#)

[Recreation and Wellness](#)

[Spinnaker Media](#)

[Student Government](#)

[Student Health Services](#)

Student Ombuds

Student Union

Taylor Leadership
Institute

University Police
Department

UNF Preschool



UNF's Transformational Learning Opportunity (TLO) Program

University of North Florida's Transformational Learning Opportunity (TLO) Program provides funding for faculty proposals that offer unique and engaging educational opportunities with the potential to broaden and deepen students' intellectual and world views. Since 2005, over \$3.5 million has been used to fund hundreds of undergraduate and graduate projects. Transformational learning opportunities take a myriad of forms such as:

- Study abroad
- Service learning
- ResearchLeadership experiences

Transformational Learning Opportunities set the occasion for life-changing experiences. To learn more about TLO's and how they can benefit you as a student at UNF, visit [Transformational Learning Opportunities \(TLO\) at University of North Florida](#).



UNF Alumni Association

Once you graduate from the University of North Florida you automatically become a member of the UNF Alumni Association. Your status as an alumnus entitles you to participate in all UNF Alumni Association programs, events and activities.

The University of North Florida Alumni Association offers many benefits to a growing body of alumni from all walks of life. Alumni Service Day, as well as Jaguars and Jumbo Shrimp games are just a few great events hosted each year by the Alumni Association.

Visit the [UNF Alumni Association website](#) to get connected now.



UNF Athletics

The Osprey Club is the official fundraising-arm for the [University of North Florida Athletics](#) Department. With all UNF student-athletics in mind, the Osprey Club provides support for student-athlete scholarships, athletic facilities, and sport-specific operating funds.

Check out UNF's Official Athletics Site by visiting the [North Florida Ospreys and Osprey Club](#).



UNF Foundation and Scholarships

The [UNF Foundation](#) is a nonprofit, tax-exempt entity that provides financial support and counsel to the University and enables it to achieve critical elements of its mission. The Foundation's dynamic and distinguished board provides leadership in obtaining and managing private funding for the First Coast's only public university. Gifts to the Foundation enable UNF to fund new programs and enhance existing ones far beyond what are possible using state allocations alone.

Foundation Scholarships

The University of North Florida Foundation has established endowments to fund scholarships for merit and need based students of UNF. The endowments come from the generosity of many individuals, alumni, local philanthropists, non profit organizations and corporations. Many dreams and goals are fulfilled along with enriching and life changing experiences made through their support. Visit [Foundation Scholarships](#) which includes information on scholarships offered through the [UNF Foundation](#).

Institutional Scholarships

For information on institutional and state scholarships, visit [One-Stop Student Services - Scholarships - FAQs](#).



Quick Guide to Resources

Academic Advising

More information about each of the [advising units](#) listed below.

- Academic Center for Excellence (Freshman/Sophomore Advising)
- Brooks College of Health Advising
- Coggin College of Business Advising
- College of Arts and Sciences Advising
- College of Computing, Engineering and Construction
 - Construction Management Advising Center
 - School of Computing Advising Center
 - School of Engineering Advising Center
- College of Education and Human Services Advising
- Hicks Honors College

Academic Services

- [Thomas G. Carpenter Library](#)
- [The Graduate School](#)
- [Undergraduate Studies](#)
 - [Student Academic Success Services](#)
 - [Supplemental Instruction](#)
 - [Tutoring](#)
 - [Academic Coaching](#)
 - [Persistence Advocacy](#)

Campus Involvement

- Institute of Environmental Research and Education
- Office of Fraternity and Sorority Life
- Housing and Residence Life
- Intercultural Center
- Interfaith Center
- Osprey Life
- Recreation and Wellness
- Student Government
- Student Media
- Student Union
- Taylor Leadership Institute

Campus Services

- Bookstore
- UNF Preschool
- Food Services
- Housing
- Information Technology Services (computer labs, help desk, etc.)
- Osprey Card Services
- Parking Services
- Postal Service
- Ticket Box Office
- UPS Store - Campus Location

Employment Services

- Career Services
- Student Employment/HR

Financial Services

- Cashier's Office
- Financial Aid/One-Stop Student Services
- Scholarships

Fitness and Health

- Counseling Center
- Recreation and Wellness
- Student Health Services
- Student Wellness Complex

Multicultural Services

- African American Student Union
- English Language Program
- Intercultural Center
- Interfaith Center
- International Center
- Lesbian, Gay, Bisexual, Transgender, Queer Resource Center

- Women's Center

Personal Support Services

- Career Services
- Counseling Center
- Dean of Students (Conduct)
- Student Accessibility Services
- Health Promotions (Alcohol & Drugs, Sexual Health, Mental Health and Stress)
- Parent and Family Programs
- Student Health Services
- Student Ombudsman
- Victim's Advocacy Program

Student Enrollment & Records

- Admissions
- The Graduate School
- One-Stop Student Services
- Records and Registration

Veteran & Military Services

- Veteran's Affairs and Benefits
- Military and Veterans Resource Center
- ROTC/Army
- NROTC/Navy



Credit Transfers and Acceleration Mechanisms

For undergraduates, transfer credits are considered applicable toward graduation unless specifically noted as “non-applicable” when the student’s degree program is planned. Designation of a course as “non-applicable” is based on the length of time since its completion, relevancy to the present degree objective, accreditation status of the institution where earned, or other significant factors. For more information regarding transferability of credits, please visit the UNF Admissions webpage — [Transfer Credits](#).

The University will accept credit awarded through one or a combination of state-approved acceleration mechanisms, not to exceed 45 credit hours. Credit awarded through state-approved acceleration mechanisms must meet the minimum scores established by the Statewide Articulation Agreement.

The state-approved acceleration mechanisms are:

- College Level Examination Program (CLEP)
- College Board Advanced Placement (AP)
- The Defense Activity for Non-Traditional Education Support (DANTES) (formerly United States Armed Forces Institute or USAFI)
- Excelsior College Examinations
- Military service school credit as evaluated by the American Council on Education Guide to the evaluation of educational experiences in the armed services (Maximum of 21 hours)
- International Baccalaureate (IB)
- Advanced International Certificate of Education (AICE)

Up to 45 total accelerated mechanism credits may be awarded, including up to 30 credits for the IB diploma.

The University will also accept credit awarded through dual enrollment as established by the Statewide Articulation Agreement. More information on [dual enrollment](#).

View the University's current [official policy](#).



International Baccalaureate

UNF recognizes the International Baccalaureate and may award up to a maximum of 30 credit hours. The charts below can be used as a guide to determine the type and amount of credit.

There may be additional IB courses not mentioned in this list. If you would like to receive credit for an IB course that is not listed, please see the Office of Admissions or your college academic advisor. The responsible academic department will need to review the course syllabus to determine the type of credit to be given.

Information is subject to change.

IB Course	Equivalency	IB Score	UNF Credit Received
Biology	BSC 1005C	4	4 hours Common Core Course
Biology	BSC 1005C and BSC 1010C	5,6,7	4 hours Common Core Course 4 hours Common Core Course
Business and Management	GEB 1011 or MAN 1604	4	3 hours elective
Business and Management	GEB 1011 and MAN 2652 or MAN 1604	5, 6, 7	3 hours elective 3 hours elective

Chemistry	CHM 1020C	4	4 hours Common Core Course
Chemistry	CHM1020C and CHM 2045C	5, 6, 7	4 hours Common Core Course 4 hours Common Core Course
Computer Science	CGS 1078	4	3 hours elective
Computer Science	CGS 1078 and CGS 1570	5, 6, 7	3 hours elective 3 hours elective
Design Technology	ETI 1410	4	3 hours elective
Design Technology	ETI 1410 and ETI 1000	5, 6, 7	3 hours elective 3 hours elective
Economics	ECO 1000	4	3 hours elective
Economics	ECO 2013 and ECO 2023	5, 6, 7	3 hours Common Core Course 3 hours elective
Ecosystems and Societies	EVR 1017 or EVR 1018	4	3 hours elective
Ecosystems and Societies	EVR1017 or EVR 1018 and ISC 1000	5, 6, 7	3 hours elective 3 hours elective
Environmental Systems and Societies (SL)	EVR 1001 or EVR 1002	4	3 hours elective
Environmental Systems and Societies (SL)	EVR 1001 or EVR 1002 and EVR 1000	5, 6, 7	3 hours elective 3 hours

			elective
English Language A: Language and Literature	ENC 1101	4	3 hours Common Core Course
English Language A: Language and Literature	ENC 1101 and ENC 1102	5, 6, 7	6 hours Common Core Course
English Language A: Literature	ENC 1141 or LIT 2000	4	3 hours elective
English Language A: Literature	ENC 1141 and LIT 2000	5, 6, 7	6 hours elective
Environmental Systems	ISC 1050	4	3 hours non- lab science
Environmental Systems	ISC 1050 and BSC 3057	5, 6, 7	3 hours non- lab science 3 hours non- lab science
Film Studies	FIL 1001	4	3 hours elective
Film Studies	FIL 1001 and FIL 1002	5, 6, 7	3 hours elective 3 hours elective
French	FRE 1121	4	4 hours foreign language
French	FRE 1121 and FRE 2240	5, 6, 7	4 hours foreign language 3 hours foreign language
Further Mathematics (Advanced Mathematics)	MHF 3202	4	3 hours GR Math
Further Mathematics (Advanced Mathematics)	MHF 3202 and MHF 2209	5, 6, 7	3 hours GR Math 3 hours GR

			Math
Geography	GEA 1000	4	3 hours elective
Geography	GEO 2200 and GEO 2400	5, 6, 7	3 hours elective 3 hours elective
German	GER 1121	4	4 hours foreign language
German	GER 1121 and GER 2200	5, 6, 7	4 hours foreign language 3 hours foreign language
History (SL)	WOH 1030	4, 5, 6, 7	3 hours elective
History (HL): History of Africa and the Middle East	WOH 1030	4	3 hours elective
History (HL): History of Africa and the Middle East	WOH 1030 and WOH 1031	5, 6, 7	3 hours elective 3 hours elective
History (HL): History of the Americas	WOH 1030	4	3 hours elective
History (HL): History of the Americas	WOH 1030 and AMH 1010	5, 6, 7	3 hours elective 3 hours elective
History (HL): History of Asia and Oceania	WOH 1030	4	3 hours elective
History (HL): History of Asia and Oceania	WOH 1030 and WOH 1031	5, 6, 7	3 hours elective 3 hours elective
History (HL): History of Europe	WOH 1030	4	3 hours elective
History (HL): History of	WOH 1030 and	5, 6,	3 hours

Europe	WOH 1031	7	elective 3 hours elective
Information and Technology for a Global Society	CGS 1078	4	3 hours elective
Information and Technology for a Global Society	CGS 1078 and CGS 1100	5, 6, 7	3 hours elective 3 hours elective
Islamic History	ASH 3223	4	3 hours elective
Islamic History	ASH 3223 and ASH 1000	5, 6, 7	3 hours elective 3 hours elective
Italian	Discretion of Department	4	3 hours foreign language
Italian	Discretion of Department	5, 6, 7	3 hours foreign language 3 hours foreign language
Latin	LAT 1120	4	4 hours foreign language
Latin	LAT 1120 and LAT 1230	5, 6, 7	4 hours foreign language 3 hours foreign language
Literature and Performance (SL)	THE 1300	4, 5, 6, 7	3 hours elective
Marine Science	BSC 1311C	4	3 hours lab- science
Marine Science	BSC 1311C and OCB 1010C	5, 6, 7	3 hours lab- science 3 hours lab-

			science
Math Methods	MAC 1105	4	3 hours Common Core Course
Math Methods	MAC 1105 and MAC 1140	5	3 hours Common Core Course 4 hours GR Math
Math Methods	MAC 1140 and MAC 2233	6, 7	4 hours GR Math 3 hours GR Math
Mathematics	MAC 1147	4	4 hours GR Math
Mathematics	MAC 1147 and MAC 2233	5	4 hours GR Math 3 hours GR Math
Mathematics	MAC 2233 and MAC 2311	6,7	3 hours GR Math 4 hours GR Math
Math Studies	MAT 1033	4	3 hours elective
Math Studies	MAC 1033 and MAC 1106	5, 6, 7	3 hours elective 3 hours Common Core Course
Mathematical Studies (SL)	MAC 1105	4	3 hours GR Math
Mathematical Studies (SL)	MAC 1105 and MAC 1000		3 hours GR Math 3 hours elective
Music	MUL 1010	4	3 hours Common Core Course

Music	MUL 1010 and MUL 1000	5, 6, 7	3 hours Common Core Course 3 hours elective
Philosophy	PHI 2010	4	3 hours Common Core Course
Philosophy	PHI 2010 and PHI 1000	5, 6, 7	3 hours Common Core Course 3 hours elective
Physics	PHY 1020C	4	4 hours Common Core Course
Physics	PHY 1020C and PHY 1009	5	4 hours Common Core Course 3 hours non- lab-science
Physics	PHY 2053C and PHY 2054C	6, 7	4 hours Common Core Course 4 hours lab- science
Psychology	PSY 2012	4	3 hours Common Core Course
Psychology	PSY 2012 and PSY 1000	5, 6, 7	3 hours Common Core Course 3 hours elective
Social and Cultural Anthropology	ANT 2410	4	3 hours elective
Social and Cultural Anthropology	ANT 2410 and ANT 1000	5, 6, 7	3 hours elective 3 hours elective

Spanish Language	SPN 1121	4	4 hours foreign language
Spanish Language	SPN 1121 and SPN 2200	5, 6, 7	4 hours foreign language 3 hours foreign language
Theatre Arts	THE 2000	4	3 hours Common Core Course
Theatre Arts	THE 2000 and THE 2001	5, 6, 7	3 hours Common Core Course 3 hours elective
Visual Arts	ART 1012	4	3 hours elective
Visual Arts	ART 1012 and ART 1201C	5, 6, 7	3 hours elective 3 hours elective
World Religions (SL)	REL 2300	4	3 hours elective
World Religions (SL)	REL 2300 and REL 1000	5, 6, 7	3 hours elective 3 hours elective



Advanced Placement Credit

Credit will be granted for satisfactory scores on the Advanced Placement (AP) examinations. The chart below can be used as a guide to determine the type and amount of credit.

Information is subject to change.

AP Course	Equivalency	Score Needed	UNF Credit Received
Art History	ARH 2000	3	3 hours Common Core Course
Art History	ARH 2000 and ARH 2051	4, 5	3 hours Common Core Course/3 hours elective (Effective for exams taken after 5/16/2018)
Biology	BSC 1005C	3	4 hours Common Core Course
Biology	BSC 1010C	4	4 hours Common Core Course
Biology	BSC 1010C and BSC 1011C	5	4 hours Common Core Course/4 hours lab-science
Calculus AB	MAC 2311	3, 4, 5	4 hours Common Core Course
Calculus BC	MAC 2311	3	4 hours Common Core Course

Calculus BC	MAC 2311 and MAC 2312	4, 5	4 hours Common Core Course/4 hours Gordon Rule Mathematics
Chemistry	CHM 1020 C	3	4 hours Common Core Course
Chemistry	CHM 2045C	4	4 hours Common Core Course
Chemistry	CHM 2045C and CHM 2046C	5	4 hours Common Core Course/4 hours lab-science
**Chinese Language & Culture	CHI 2200	3	3 hours foreign language
**Chinese Language & Culture	CHI 2200 and CHI 2201	4, 5	6 hours foreign language
Computer Science A	CGS 1075	3, 4, 5	3 hours elective
Computer Science AB	CGS 1076	3, 4, 5	3 hours elective
Computer Science Principles	COP 1000	3, 4, 5	3 hours elective
Economics: Macro	ECO 2013	3, 4, 5	3 hours Common Core Course
Economics: Micro	ECO 2023	3, 4, 5	3 hours elective
*English Language & Composition	ENC 1101	3	3 hours Common Core Course; GR Writing
*English Language & Composition	ENC 1101 and ENC 1102	4, 5	3 hours Common Core Course/3 hours GR writing
*English Literature & Composition	ENC 1101	3	3 hours Common Core Course
*English Literature & Composition	ENC 1101 and ENC 1102	4, 5	3 hours Common Core Course/3 hours GR writing
Environmental Science	ISC 1051	3, 4, 5	3 hours non-lab science
European History	EUH 1009	3	3 hours elective

European History	EUH 1000 and	4, 5	3 hours elective
	EUH 1001	4, 5	3 hours elective
**French Language	FRE 2240	3	3 hours foreign language
**French Language	FRE 2240 and FRE 2241	4, 5	6 hours foreign language
**French Literature	FRW 3100	3	3 hours elective
**French Literature	FRW 3100 and FRW 3101	4, 5	6 hours elective
**German Language	GER 2200	3	3 hours foreign language
**German Language	GER 2200 and GER 2201	4, 5	6 hours foreign language
Government and Politics: Comparative	CPO 2002 or CPO X001	3, 4, 5	3 hours elective
Government and Politics: United States	POS 2041	3, 4, 5	3 hours Common Core Course
Human Geography	GEO 2400 or GEO 2420	3, 4, 5	3 hours elective
**Italian Language & Culture	ITA 2200	3	3 hours foreign language
**Italian Language & Culture	ITA 2200 and ITA 2201	4, 5	6 hours Foreign Language
**Japanese Language & Culture	JPN 2200	3	3 hours foreign language
**Japanese Language & Culture	JPN 2200 and JPN 2201	4, 5	6 hours foreign language
**Latin Literature	LNW 2700	3, 4, 5	3 hours elective
**Latin: Virgil	LNW 2321	3, 4, 5	3 hours elective
Music Theory	MUT 1001	3 composite	3 hours elective music theory
Music Theory	MUT 1111 and MUT 1241	3, 4, 5 if both aural and non-	6 hours elective

		aural sub-scores are 3 or higher	
Physics 1	PHY 2053C	3, 4, 5	4 hours-lab science
Physics 2	PHY 2054C	3, 4, 5	4 hours-lab science
Physics B	PHY 2053C	3	4 hours Common Core Course
Physics B	PHY 2053C and PHY 2054C	4, 5	4 hours Common Core Course/4 hours lab-science
Physics C: Electricity/Magnetism	PHY 2054C	3	4 hours lab-science
Physics C: Electricity/Magnetism	PHY 2049C	4,5	4 hours lab-science
Physics C: Mechanics	PHY 2053C	3	4 hours Common Core Course
Physics C: Mechanics	PHY 2048C	4, 5	4 hours Common Core Course
Psychology	PSY 2012	3, 4, 5	3 hours Common Core Course
**Spanish Language	SPN 2200	3	3 hours foreign language
**Spanish Language	SPN 2200 and SPN 2201	4, 5	6 hours foreign language
**Spanish Literature	SPW 3030	3	3 hours elective
**Spanish Literature	SPW 3030 and SPW 3000	4, 5	6 hours elective
Statistics	STA 2014 or STA 2023	3, 4, 5	3 hours Gordon Rule Mathematics
Studio Art: Drawing Portfolio	ART 1300C	3, 4, 5	3 hours elective
Studio Art: 2-D Design Portfolio	ART 1201C	3, 4, 5	3 hours elective

Studio Art: 3-D Design Portfolio	ART 2203C	3, 4, 5	3 hours elective
U. S. History	AMH 1000	3	3 hours elective
U. S. History	AMH 2020 and AMH 2010	4, 5	6 hours elective
World History	WOH 2022	3, 4, 5	3 hours elective

* Students will not receive English credit for both exams. If a student passes both exams, one will reflect six hours free elective credit.

** Foreign language does not fulfill the UNF general education humanities requirement and will only serve to fulfill free elective credits for the student's program of study.



AICE Exams

Credit will be granted for satisfactory scores on the Advanced International Certificate of Education (AICE) program. The chart below can be used as a guide to determine the type and the amount of credit. Credit earning scores and course credit awarded can be found on the Florida Statewide Course Numbering System website.

Information is subject to change.

AICE Exam	Passing Score "A, B, C, D, E"	Credit (Minimum)	GEN Ed
Accounting (AS-LEVEL)	ACG 1001	3	Elective
Accounting (A-LEVEL)	ACG 1001 and ACG 1000	3 3	Elective
Applied ICT- Information Communication Technology (AS-LEVEL)	CGS 1100 or CGS 1060	3	Elective
Applied ICT- Information Communication Technology (A-LEVEL)	CGS 1100 OR CGS 1060 and CGS1000	3 3	Elective Elective
Art & Design (AS-LEVEL)	Discretion of institution	3	Elective
Art & Design (A-LEVEL)	Discretion of institution	6	Elective
Biology (AS-LEVEL)	BSC 1005C	4	Common Core Course

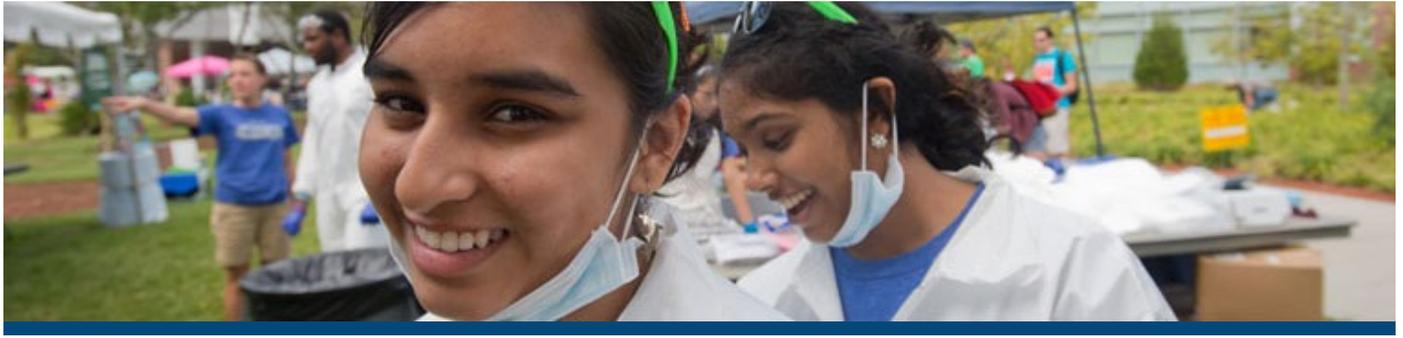
Biology (A-LEVEL)	BSC 1010C and BSC 1005	4 3	Common Core Course
Business Studies (AS-LEVEL)	GEB 1011	3	Elective
Business Studies (AA-LEVEL)	GEB 1011 and GEB 1000	6	Elective
Chemistry (AS-LEVEL)	CHM 1020C or CHM 1025C	4	Common Core Course
Chemistry (A-LEVEL)	CHM 1020C or CHM 1025C and CHM 2045C	4 4	Common Core Course
Classical Studies (AS-LEVEL)	CLA 1010	3	Elective
Computing (AS-LEVEL)	CGS 1073	3	Elective
Computing (A-LEVEL)	CGS 1073 and CGS 1074	3 3	Elective
Design & Technology (AS-LEVEL)	ETI 1482C	3	Elective
Design & Technology (AA-LEVEL)	ETI 1482C and ETI 1000	3 3	Elective
Divinity (AS- LEVEL)	REL 1210	3	Elective
Divinity (A-LEVEL)	REL 1210 and REL 1240	6	Elective
Economics (AS-LEVEL)	ECO 1000	3	Elective
Economics (A-LEVEL)	ECO 2013 and ECO 2023	3 3	Common Core Course
English (AS-LEVEL) (Language or Language & Literature)	ENC 1101	3	Common Core Course
English (AS-LEVEL) (Literature in English)	ENC 1101 or ENC 1102	3	English GR writing
English (A-LEVEL) (Literature in English)	ENC 1101 and ENC 1102 or	3 3	Common Core Course

	LITX000		
Environmental Management (AS-LEVEL)	EVR 1001C or ISC 1051	3 3	Non-lab science
French Language (AS-LEVEL)	At least one semester of Language credit up to Intermediate Level	3	Elective
French Literature (AS-LEVEL)	One semester of Lit Survey credit	3	Elective
French (A-LEVEL)	At least 2 semesters of Language credit at Intermediate II Level	6	Elective
Further Mathematics (A-LEVEL)	MAC 2311 and MAC 2312 or STAX023	3 3	Gordon Rule Mathematics
General Paper	IDS 1110	3	Elective
Geography (AS-LEVEL)	GEA 1000	3	Elective
Geography (A-LEVEL)	GEO 2200 and GEO 2400	3 3	Elective
German Language (AS-LEVEL)	At least 1 semester of Language credit of Intermediate I Level	3	Elective
German Language (A-LEVEL)	At least 2 semesters of Language credit at	6	Elective

	Intermediate II Level		
Global Perspectives I (AS-LEVEL)	ISS 1011 or ISS 1013	3	Elective
Global Perspectives Pre-U Independent Research II (A-LEVEL)	ISS 1011 and ISS 1012	3	Elective
History --The History of the USA c. 1840-1968	AMH 1042	3	Elective
History--Modern European History 1789-1939	EUH 1031	3	Elective
History--International History 1945-1991	HIS 1206 or WOH 1040	3	Elective
History (AS-LEVEL)	HIS 2930	3	Elective
History (A-LEVEL)	HIS 2930	3	Elective
Latin (AS-LEVEL)	At least 1 semester (3 SH) of Language credit up to Elementary II Level	3	Elective
Marine Science (AS-LEVEL)	OCE 1001	3	Non lab--science
Marine Science (A-LEVEL)	OCE 1001 and OCB 1000	3	Non lab--science
Mathematics (AS-LEVEL)	MAC 1147 or MAC 1140/1114	4 3	Elective
Mathematics (A-LEVEL)	MAC 2311 and MAC 2233	3 3	Elective
Media Studies (AS-LEVEL)	DIG 1000	3	Elective
Media Studies (A-LEVEL)	DIG 1000 and DIG 1001 or DIG 1030	3 3	Elective
Music (AS-LEVEL)	MUH 1001	3	Elective

Music (A-LEVEL)	MUH 1001 and MUH 1011 or MUH 1012	3 3	Elective
Physics (AS-LEVEL)	PHY 2020C	3	Common Core Course
Physics (A-LEVEL)	PHY 2053C and PHY 2054C	4 4	Common Core Course
Psychology (AS-LEVEL)	PSY 2012	3	Common Core Course
Psychology (A-LEVEL)	PSY 2012 and PSY 1000	3 3	Common Core Course
Sociology (AS-LEVEL)	SYG 2000	3	Common Core Course
Sociology (A-LEVEL)	SYG 2000	3	Common Core Course
Spanish Language (AS-LEVEL)	At least 1 semester of Language credit up to Intermediate I (3 SH)	3	Elective
Spanish Literature (AS-LEVEL)	1 semester of Literature credit (3 SH)	3	Elective
Spanish (A-LEVEL)	At least 2 semesters of Language credit up to Intermediate II (6 SH)	6	Elective
Thinking Skills (AS-LEVEL)	PHI 1103 or PHI 1401	3	Elective
Thinking Skills (A-LEVEL)	PHI 1103 or PHI 1401 and PHI 1000	6	Elective

Travel & Tourism (AS-LEVEL)	HFT 1000 or HFT 1700	3	Elective
Travel & Tourism (A-LEVEL)	HFT 1000 OR HFT 1700 and Other Hospitality Mgt. related course	3 3	Elective



Dual Enrollment

Dual Enrollment refers to high school students who earn and apply college credit in a dual fashion toward completing high school graduation requirements and also toward obtaining an associate or bachelor's degree.

View more information about [Dual Enrollment](#).



College-Level Examination Program (CLEP) Credit

Credit earned through the College-Level Examination Program (CLEP) at a Florida public institution prior to initial enrollment at UNF will receive equivalent transfer credit. CLEP scores for which credit is not awarded at another Florida public institution will be evaluated in accordance with the statewide articulation agreement. For CLEP tests currently available, UNF students may register for CLEP examinations designed to cover material in the University general education curriculum in accordance with the statewide articulation agreement. Credit earning scores and course credit awarded can be found on the [Florida Statewide Course Numbering System](#) website. Students are advised to register for CLEP prior to the semester in which they intend to use the CLEP credit. Official scores must be mailed to One-Stop Student Services prior to the end of the add/drop period of the semester in which credit is to be recorded. Students are further advised to refrain from enrolling for any course that requires a prerequisite for which CLEP is to be substituted (i.e., a student should not register for French II if the student is attempting to achieve CLEP credit for French I). A CLEP examination may not be used to forgive a grade already earned.

By presenting appropriate CLEP scores, students may earn as many as 30 credit hours. The applicability of these credits toward completion of general education requirements will be determined by Enrollment Services Processing. Credit will be granted for examinations based on passing scores in the statewide articulation agreement. Further information on the awarding of transfer credit through CLEP may be obtained from One-Stop Student Services.

Information is subject to change.

CLEP Test Title	UNF Course Equivalent	Score Needed	UNF Credit Received
American Government	POS 2041	50	3 hours Common Core Course
American Literature	AML 2000	50	3 hours elective
Calculus	MAC 2233	50	4 hours Gordon Rule Mathematics
College Algebra	MAC 1105	50	3 hours Common Core Course
College Composition	ENC 1101 and ENC1102	50	3 hours Common Core Course/3 hours English
College Composition Modular*	ENC 1101 and ENC1102	50	3 hours Common Core Course/3 hours English
College Mathematics	MGF1107 or MGF 1106	50	3 hours Common Core Course
English Composition with Essay	ENC 1101	50	3 hours Common Core Course
English Literature	ENL 1000	50	3 hours elective
Financial Accounting	ACG 1001	50	3 hours elective
French — Coll Lvl I	FRE 1120	50	4 hours Foreign Language
French — Coll Lvl 2	FRE 1120 and FRE 1121	59	8 hours Foreign Language
General Biology	BSC 1005	50	3 hours Common Core

			Course
General Chemistry	CHM 1020 or CHM 1025	50	3 hours Common Core Course
German — Coll Lvl 1	GER 1120	50	4 hours foreign language
German — Coll Lvl 2	GER 1120 and GER 1121	60	8 hours foreign language
History of the United States I: Early Colonization to 1877	AMH 2010	50	3 hours elective
History of the United States II: 1865 to Present	AMH 2020	50	3 hours Common Core Course
Human Growth & Development	DEP 2004	50	3 hours elective
Humanities	HUM 1235 or HUM 1250	50	3 hours elective
Information Systems & Computer Applications	CGS 1077	50	3 hours elective
Introductory Business Law	BUL 1241	50	3 hours elective
Introductory Educational Psychology	EDP 1002	50	3 hours elective
Introductory Psychology	PSY 2012	50	3 hours Common Core Course
Introductory Sociology	SYG 2000	50	3 hours Common Core Course
Natural Science	No direct equivalent	50	
Precalculus	MAC 1147	50	3 hours Gordon Rule Mathematics

Principles of Macroeconomics	ECO 2013	50	3 hours Common Core Course
Principles of Management	MAN 2021	50	3 hours elective
Principles of Marketing	MAR 2011	50	3 hours elective
Principles of Microeconomics	ECO 2023	50	3 hours elective
Social Science and History	No direct equivalent	50	
Spanish — Coll Lvl 1	SPN 1120	50	4 hours Foreign Language
Spanish — Coll Lvl 2	SPN 1120 and SPN 1121	63	8 hours Foreign Language
Western Civilization I: Ancient Near East to 1648	EUH 1000	50	3 hours elective
Western Civilization II: 1648 to Present	EUH 1001	50	3 hours elective

* There is no guarantee that College Composition Modular will be accepted without the essay component.



DANTES Equivalencies

Credit will be granted for satisfactory scores on the DANTES Equivalencies (DANTES). The chart below can be used as a guide to determine the type and the amount of credit. Credit earning scores and course credit awarded can be found on the Florida Statewide Course Numbering System website.

Information is subject to change.

DANTES Equivalencies	Passing Score*	Course ID	HRS	Gen ED
A History of the Vietnam War	44	AMH 2059	3	Elective
Art of the Western World	48	ARH 2000 or ARH 1010	3	Common Core Course
Astronomy	48	AST 2002	3	Common Core Course
Business Ethics and Society	46	GEB 1441	3	Elective
Business Law II	44	BUL 2242	3	Elective
Business Math	48	QMB 1001	3	Elective
Computing and Information Technology	45	CGS 1000 or CGS 1060	3	Elective
Criminal Justice	49	CCJ 1000 or CCJ 1020	3	Elective
Drug and Alcohol Abuse	49	No recommendation		Elective

Environment & Humanity	46	EVR 1017	3	Elective
Environmental Science	40	EVR 1002 or ISC 1003		Effective for exams taken after 5/16/2018
Ethics in America	46	PHI 2630	3	Elective
Foundations of Education	46	EDF 1002	3	Elective
Fundamentals of College Algebra	47	MAT 1033	3	Elective
Fundamentals of Counseling	45	PCO 1202	3	Elective
Fundamentals of Cyber Security	46	CIS 1350 or CIS 1354	3	Elective
General Anthropology	47	ANT 2000	3	Common Core Course
Here's to Your Health	48	HSC 2100	3	Elective
History of the Soviet Union	45	EUH 1066	3	Elective
Human Resources Management	46	MAN 1300	3	Elective
Human/Cultural Geography	48	GEO 1400	3	Elective
Introduction to Business	46	GEB 1011	3	Elective
Introduction to Law Enforcement	45	CCJ 1100	3	Elective
Introduction to the Modern Middle East	47	ASH 2044	3	Elective
Introduction to World Religions	48	REL 2300	3	Cultural Diversity

Lifespan Developmental Psychology	46	DEP 2004	3	Elective
Math for Liberal Arts	48	MGF 1106	3	Elective
Management Information Systems	46	ISM 1000 or ISM 1004	3	Elective
Money and Banking	48	BAN 1501		Elective
Organizational Behavior	48	INP 1002	3	Elective
Personal Finance	46	FIN 1100	3	Elective
Physical Geology	46	GLY 1000	3	Elective
Principles of Advanced English	48	ENC 1101	3	Common Core Course
Principles of Finance	46	FIN 1000	3	Elective
Principles of Financial Accounting	47	ACG 1001	3	Elective
Principles of Physical Science I	47	PSC 1121	3	Elective
Principles of Public Speaking	47	SPC 2600	3	Elective
Principles of Statistics	48	STA 2014		Gordon Rule Mathematics
Principles of Supervision	46	MAN 1124 or MNA 1345	3	Elective
Rise and Fall of the Soviet Union	45	EUH 1066	3	Elective
Substance Abuse	49	HSC 1140	3	Elective
Technical	46	ENC 2210	3	Elective

Writing				
The Civil War & Reconstruction	47	AMH 1056	3	Elective

*Note: The scoring system for DANTES tests has changed to a 400 passing score for 2008 Revised Exams. Some test scores may come over in this new format depending on the test date and a score of 400 or better will be considered passing.



Brooks College of Health Undergraduate Admission Requirements Limited Access Programs

School of Nursing

- [R.N.-B.S.N. Bridge](#)
- [Freshman Admit Nursing](#)
- [Regular Prelicensure B.S.N.](#)
- [Accelerated Prelicensure B.S.N.](#)

Department of Clinical and Applied Movement Sciences

- [Exercise Science](#)

School of Nursing

R.N.- B.S.N. Bridge

[Curriculum Plan](#)

Admission Requirements

The seats for this track are limited each term by the size of the facility utilized for the cohort. Each cohort can typically accommodate 50 students; seats are filled on a first-come, first-served basis for qualified applicants. Cohorts will not begin with less than 25 enrolled students.

Admission Requirements

1. Active license to practice registered nursing in the applicant's

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state of residence;

2. Nursing degree from a nationally accredited nursing program;
3. Minimum overall undergraduate GPA of at least 2.80*; and
4. Completion of the following requirements with a maximum deficiency of six (6) semester hours:
 - Satisfy UNF General Education & Gordon Rule requirements by one of the following:
 - Sixty (60) semester hours of coursework from a regionally accredited institution that fulfill General Education & Gordon Rule per the [UNF Catalog](#) -OR- an Associate of Arts (A.A.), from a Florida public institution;
 - Satisfy Florida Civic Literacy requirement before the final master term in the RN-BSN program; and,
 - Completion of BSN [prerequisite courses](#) with no grade lower than "C".

This GPA requirement is in effect through the Fall 2021 application pool; applicants for Spring 2022 and beyond will only be required to have a 2.70 cumulative undergraduate GPA for consideration.

Please note: While foreign language and Civic Literacy are not required for admission to the RN-BSN program, both are required for university graduation. If you are missing foreign language and plan to complete the language requirement while enrolled in the RN-BSN program, the above course requirement (UNF General Education & Gordon Rule, and BSN prerequisite courses) must be completed prior to admission—the maximum deficiency of six (6) semester hours will not apply. Please refer to the School of Nursing's online FAQs for more information regarding the policies about enrolling in a maximum of six (6) missing credit hours such as General Education, Gordon Rule, Civic Literacy, foreign language, &/or program prerequisite courses alongside enrollment in the program.

Students may be approved to finish a maximum of 6 semester hours remaining Associate of Arts (A.A.) degree, civic literacy, foreign language, or UNF General Education &/or Gordon Rule semester hours while enrolled in the RN-BSN program, either at UNF or another accredited institution, with the exception of those who are also missing foreign language. While foreign language and Civic Literacy are not required for admission to the RN-BSN program, both are required for university graduation. If students are missing

civic literacy and plan to complete the civic literacy requirement while enrolled in the RN-BSN program, the maximum deficiency of six (6) semester hours changes to a maximum of three (3) semester hours. If students are missing foreign language and plan to complete the foreign language requirement while enrolled in the RN-BSN program, all of the above course requirements other than civic literacy (UNF General Education & Gordon Rule and BSN prerequisite courses) must be completed prior to the admission--the maximum deficiency of six (6) semester hours will not apply. If students are missing both civic literacy and foreign language, all other course requirements (UNF General Education & Gordon Rule, and BSN prerequisite courses) must be completed prior to the admission - the maximum deficiency of six (6) semester hours will not apply. Candidates may consult the UNF Undergraduate Catalog online or review our FAQ document to see how this requirement may be satisfied.

Prior to admission, the Academic Advisor for Online Programs will work with applicants on developing an approved plan for completion of their missing requirements. Missing requirements must be completed by the student's second (2nd) semester in the program. Students missing more than 6 semester hours will discuss a plan with the Online Program Coordinator to complete their excess requirements *prior* to admission into the RN-BSN program.

Transient enrollment requests will be required for courses taken at another institution while enrolled at UNF. Confirmation of enrollment in, or plans for, the remaining courses needed to complete these requirements at another regionally accredited institution must be submitted to onlinenursing@unf.edu. Final transcripts for courses taken at all institutions outside of UNF must be submitted to the One-Stop Student Services. Additional details regarding this policy and practice may be obtained from onlinenursing@unf.edu.

Students with an AS from any nationally accredited nursing program are also encouraged to apply. AS transcripts (excluding NUR courses) will be evaluated for transfer credit and adjusted GPA.

[Freshman Admit Nursing \(FAN\) B.S.N.](#)



Limited Access Admission

Each year, a large number of students apply for entry into the Bachelor of Science in Nursing (BSN) program, and there are often many more qualified applicants than the number of seats available in the program. The seats for this track are limited by student-to-faculty ratio guidelines for clinical education settings. Minimum standards for safety are set by the Florida Legislature, and additional determinations for safe practice are made by the program with direction and recommendation from the hospitals, the community of interest, and our partners. We currently offer approximately 24-30 FAN seats each fall (August).

Because grades are a predictor of success in the program as well as on the national licensing exam, they play an important role in the admissions process. One's weighted high school cumulative GPA is used as part of the admission process as a pre-nursing student at UNF. The pre-nursing designation now requires a 3.80 weighted high school cumulative GPA to be admitted. For FAN consideration above and beyond standard pre-nursing admission, one's high school science GPA as well as ACT &/or ACT scores are used to qualify candidates for a potential admission interview. Overall high school GPA, high school science GPA, and TEAS scores will be considered for final selection along with interview scores.

Additionally, applicants may be asked to submit documentation beyond the minimum requirements in order to assist in the selection process. Letters of recommendation and resumes are neither requested nor encouraged. If selected for an interview, applicants must be available during a designated window--typically a Saturday morning in mid-February.

Please note, students who begin the FAN track cannot then apply for admission into the Regular Prelicensure (RPL) BSN track at a later date. *If an applicant is earning more than 30 college credits while enrolled in high school, consider applying for the RPL BSN track. Those coming into UNF from high school with an Associate of Arts (A.A.) earned through dual enrollment at a Florida public institution should request consideration for the RPL BSN track instead, too.*

BSN-FAN curriculum

- Completion of program in four (4) years with a spring graduation
- Starting the first fall semester at UNF, FAN students take (one) 1 upper-level nursing course every semester for the first three (3) semesters with the exception of the summer between

freshman and sophomore years. They will be fully enrolled in nursing courses from their Sophomore year/Spring semester forward.

- All BSN prerequisites must be completed by the end of Sophomore year/Fall semester, while students may finish any remaining General Education courses during their 3rd or 4th year.
- Admitted FAN students must attain 3.0 or higher in college cumulative GPA and BSN prerequisite GPA at the end of Sophomore year/Fall semester to remain in the program.
- Once the clinical courses have begun, all nursing courses must be completed with a grade of "C" or better in order to progress.

Admission Requirements

Interview invitations are based on performance in high school and SAT and/or ACT scores as noted in the above details.

1. Admission to UNF by December 1st of the year prior to entry as a pre-nursing major (required 3.80 weighted high school GPA) for the fall semester;
2. Combined ACT scores greater than 24 or combined SAT greater than 1100;
3. High School Science GPA greater than 4.0 (weighted), and;
4. If selected for on-campus interview, student must take Test of Essential Academic Skills (TEAS®) version V or VI prior to the interview and by the deadline established by the School of Nursing.

*Completion of admission requirements does not guarantee an interview or admission to the program.

***If earning more than 30 college credits while in high school, consider applying to Regular Prelicensure BSN track. Completion of admission requirements does not guarantee an interview or admission to the program. Those coming into UNF from high school with an Associate of Arts (A.A.) earned through dual enrollment should request consideration for the Regular Prelicensure BSN track instead.*

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Regular Prelicensure B.S.N.



Limited Access Admission

The Florida Board of Nursing governs the number of first-time nursing students admitted to all nursing programs in the state of Florida. UNF abides by the following rules for limited access programs:

Students who have graduated from a Florida community college with an AA degree or those who have successfully completed 60+ semester hours of course work at a public university, state college, or community college in Florida will receive priority for admission over other applicants.

- Selection criteria will not discriminate against Florida community college transfer students in favor of public university students who are applying for admission or who plan to continue enrollment after completion of 60 semester hours at the lower division level.
- Where necessary to achieve established equal access enrollment goals, some students may be admitted to the program using different criteria.

The seats for this track are limited by student-to-faculty ratio guidelines for clinical education settings. Minimum standards for safety are set by the Florida Legislature, and additional determinations for safe practice are made by the program with direction and recommendation from the hospitals, the community of interest, and our partners. We currently offer 36 Regular Prelicensure seats each summer (May) and each fall (August).

Admission Requirements*

1. Satisfy UNF General Education & Gordon Rule requirements prior to program matriculation with: Sixty (60) semester hours of courses that fulfill General Education & Gordon Rule Writing per the [UNF catalog](#)-OR- an Associate of Arts (A.A.) from a Florida public institution;
2. Maintain a minimum cumulative undergraduate GPA of at least 2.90**;
3. Complete of all BSN [prerequisite courses](#) with no grade lower than “C” and a prerequisite GPA of at least 2.90*** (*refer to FAQs for more details regarding GPA & prerequisite course policies*)
4. Complete the [Test of Essential Academic Skills](#) (TEAS ®) version V or VI (scores are comparably scaled) within the last

five (5) years with a minimum score of 300.00**** & the submission of the TEAS Individual Performance Profiles (IPPs) directly to the program by the deadline (*refer to FAQs for more details*).

**Completion of admission requirements does not guarantee an interview or admission to the program.*

***The cumulative GPA requirement for this track will increase on June 2, 2021 for the 2022 application pools from 2.90 to 3.00.*

****The prerequisite GPA requirement for this track will increase on June 2, 2021 for the 2022 application pools from 2.90 to 3.20.*

*****The TEAS requirement for this track will increase on June 2, 2021 for the 2022 application pools from 300.00 to 315.00.*

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Accelerated Prelicensure B.S.N.



Limited Access Admission

The Florida Board of Nursing governs the number of first-time nursing students admitted to all nursing programs in the state of Florida.

The seats for this track are limited by student-to-faculty ratio guidelines for clinical education settings. Minimum standards for safety are set by the Florida Legislature, and additional determinations for safe practice are made by the program with direction and recommendation from the hospitals, the community of interest, and our partners. We currently offer 36 Accelerated Prelicensure (APL) seats each summer (May) and each fall (August). Candidates for the APL track are automatically considered for the Regular Prelicensure (RPL) track simultaneously.

Admission Requirements*

1. Graduate from a regionally accredited institution with a baccalaureate degree prior to matriculation in the program;
2. Maintain a minimum cumulative undergraduate GPA of 3.20;
3. Complete of all [nursing prerequisite courses](#) with no grade lower than "C" and a prerequisite GPA of at least 2.90** (*refer*

to FAQs for more details regarding GPA and prerequisite course policies);

4. Complete the [Test of Essential Academic Skills](#) (TEAS) version V or VI (scores are comparably scaled) within the past five (5) years with a minimum score of 300.00*** and the submission of the TEAS Individual Performance Profiles (IPPs) directly to the program by the deadline (refer to FAQs for more details).

**Completion of the admission requirements does not guarantee an interview or admission to the program.*

***The prerequisite GPA requirement for this track will increase on June 2, 2021 for the 2022 application pools from 2.90 to 3.20.*

****The TEAS requirement for this track will increase on June 2, 2021 for the 2022 application pools from 300.00 to 315.00.*

B.S.N. Prerequisite Requirements (all tracks)

Course	Title	Credits
*PSY, SYG, SOP	Social Science	3
DEP3054	Lifespan Developmental Psychology	3
STA2014	Statistics	3
HUN2201	Human Nutrition	3
MCB2010C	Microbiology & lab	4
BSC2085C	Anatomy & Physiology I & lab	4
BSC2086C	Anatomy & Physiology II & lab	4
**BCH, BSC, CHM, PCB, or PHY	Additional Science	3-4
	Total	27

*PSY may be required as a prerequisite to DEP3054.

**Note that CHM1025/CHM1025L is required as one of the prerequisites to MCB2010C enrollment at UNF. While CHM1020, CHM1025, or CHM1032 will meet this category in general, applicants are cautioned to check that they have satisfied the specific requirements to allow them to enroll in MCB at their institution of choice.

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Department of Clinical and Applied Movement Sciences

Bachelor of Science in Health; Concentration in Exercise Science

Limited Access Criteria

Due to the exceptional number of applicants, the Exercise Science Program at UNF has been designated as a “limited access” Program and abides by the rules for “limited access” Programs established by the Florida Board of Governors as follows:

1. Students who have graduated from a Florida Community college with an Associate in Arts degree or those who have successfully completed 60 or more semester hours of course work at public universities in Florida will receive priority for admission over other applicants.
2. Selection criteria will not discriminate against Florida community college transfer students in favor of public university students who are applying for admission or plan to continue enrollment after completion of 60 semester hours at the lower division level.
3. Where necessary to achieve established equal access enrollment goals, some students may be admitted to the Program using different criteria.

Successful completion of admission requirements does not guarantee acceptance into the Program. Approximately 90 new students are admitted each year from a competitive applicant pool.

Admission Requirements

To be considered for admission to the Exercise Science Program, each applicant must fulfill the following minimum requirements:

- Attainment of minimum 2.75 GPA overall.
- Completion of and attainment of minimum of a “C” grade or higher on the following prerequisite courses no later than the summer term, prior to fall admission.
 - BSCX085/BSCX085L - Anatomy and Physiology I and Lab
 - BSCX086/BSCX086L - Anatomy and Physiology II and Lab
 - CHMX045/CHMX045L - General Chemistry and Lab (Please note: CHM1032c does not fulfill the Chemistry requirement)
 - MACX105 - College Algebra
 - PSY2012 - Intro to Psychology

HUN2201 - Human Nutrition

- SPC2608 - Fundamentals of Speech
- STA2014 - Elementary Statistics

- Completion of all general education and prerequisite courses prior to enrolling in the Exercise Science courses.
- Six of the eight prerequisites must be completed by the application deadline. The remaining prerequisite(s) must be completed no later than summer term, prior to fall admission.
- Demonstration of communication and interpersonal skills during an interview, if requested.
- Applicants who apply while still enrolled or plan to enroll in general education and/or prerequisite courses may be admitted contingent upon successful completion of all courses with a minimum grade of "C" or higher on the prerequisites above and with a minimum 2.75 GPA overall.
- Submission of all official transcripts, UNF application, and documentation by May 1st of the year of application

How to Apply

1. Make application to UNF using one of the appropriate university forms linked below:
 - [Online Version](#) (recommended)
 - Change of Major completed with UNF Academic Advisor for currently enrolled UNF students
2. Pay \$30 UNF application fee. This may be done online, by mail, or in person. Check with the One-Stop Student Services at (904) 620-5555 regarding acceptable payment methods and policies regarding who must pay the fee.
3. Submit transcripts from all institutions awarding credit or enrolled at during your academic career (even if you withdrew and received no credit). NOTE: This includes dual enrollment, transient enrollment, foreign studies, AP, CLEP, IB, DANTES, military, etc. For all courses taken outside of the United States, please submit official copies of course-by-course foreign college evaluations from approved agencies such as Josef Silny & Associates or World Education Services (the acceptability of evaluations from other organizations may be checked with the One-Stop Student Services).
4. Transcripts are all due to the One-Stop Student Services by the deadline. Late materials will not be accepted or considered. Confirmation of these items should be handled online through your [myWings account](#) or with the One-Stop Student Services

at (904) 620-5555.

5. Submit [Grade Report](#) if you are taking a course where final grades/transcripts will not be available by the May 1st/ August 6th grade report deadline.

Decision Timeline

Applicants who apply while still enrolled or plan to enroll in general education and/or prerequisite courses may be admitted contingent upon successful completion of all courses with a minimum grade of "C" or higher on the prerequisites above and with a minimum 2.75 GPA overall.

Application Deadline: May 1st. Interested students who miss the deadline of May 1st can contact the Exercise Science Program at esadmissions@unf.edu.

Deadline for updated transcripts from non-UNF schools for spring grades is no later than 2nd Friday in May. Deadline for updated transcripts from non-UNF schools for summer grades is no later than 2nd Friday in August. If official transcripts are not available, applicants are required to complete a grade report as stated below:

This form is only necessary for Exercise Science applicants taking courses outside of UNF in the spring/summer term of the same year that admission is sought for the program. The applicant should fill in all information except for the grade and missing assignments; that information should be filled in by the course instructor. Forms should be supplied to the Brooks College of Health Clinical & Applied Movement Sciences Office by mail, in person, via email or fax. Do not mail this form to any other office on campus. The appropriate email to which to send a pdf copy of this completed form is esadmissions@unf.edu. The proper fax is (904) 620-2848; all faxes should include a cover sheet.

Admission decisions: All applicants will be contacted by the end of May by the Exercise Science Program with their admission decision.

Mandatory Orientation: Friday before fall semester starts.

Additional Requirements for the Clinical Internship

Upon acceptance the following requirements must be fulfilled prior to the Clinical Internship (Program will assist accepted students with the items listed below):

- CPR/AED certification
- Background check

The Exercise Science Program includes a clinical internship component, so it is important to determine State Authorization of Distance Education and if you will be able to do an internship in other states, if desired. Please see the UNF State Authorization Status website for more information and updates. State Authorization of Distance Education is a complex and dynamic environment. Prospective students should check the [Distance Learning State Authorization webpage](#) for updates.

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Transient Enrollment

Transient enrollment refers to degree-seeking students in good standing at another approved post-secondary institution who wish to take courses for one term at UNF to transfer credit back to their home institution. Additional information, including the process by which a transient student may apply, register, and pay tuition and fees is available [online](#). Transient students register for classes on a space-available basis and are not eligible for financial aid from UNF.

View the University's current [official policy](#).



Transfer Student Bill of Rights

Those who earn an Associate in Arts degree (A.A.) from a Florida public university, state college or community college are guaranteed certain rights under the Statewide Articulation Agreement. A list of rights is provided below:

- Admission to one of the state universities, except to limited access programs which have additional admission requirements;
- Acceptance of at least 60 semester hours by the state universities toward the baccalaureate degree;
- Adherence to university requirements and policies based on the catalog in effect at the time the student first entered a Florida public college, provided the student maintains continuous enrollment;
- Transfer of equivalent courses under the Statewide Course Numbering System;
- Acceptance by the state universities of credit earned in accelerated programs (i.e., CLEP, AP, Excelsior College Examinations, Dual Enrollment, Early Admission, International Baccalaureate and University of Cambridge International Examinations);
- No additional General Education Core requirements;
- Advance knowledge of selection criteria for limited access programs; and
- Equal opportunity with native university students to enter limited access programs.

A.A. students who feel they have not been accorded their rights should contact One-Stop Student Services.

Members of the community who believe that they have not been accorded rights under the Civil Rights Act of 1964 or Title IX of the

Higher Education Amendments of 1972 may submit inquiries to the [Office of Equal Opportunity Programs](#).

More information about the [Statewide Articulation Agreement](#).



Brooks College of Health Overview

- [Dean's Message](#)
- [Vision, Mission and Values of the College](#)

Dean's Message

Thank you for your interest in the Brooks College of Health (BCH)! You will find graduates of our college throughout the greater Jacksonville area and beyond. Employers in this region continue to seek out BCH students due to our reputation as a premiere educator of healthcare professionals dedicated to serving the community. The mission of our college is to provide specialized programming in a wide range of health care fields including Nursing, Public Health, Mental Health Counseling, Health Administration, Exercise Science, Athletic Training, Physical Therapy and Nutrition. Our reputation is further enhanced via our institute and centers, as well as by our recent awards and national rankings.

The cornerstones of a BCH education at the University of North Florida are the hands-on experiences in which our students are engaged. These transformational learning opportunities include research, laboratories, travel abroad, academic clubs, and internships and clinical experiences. Our partnerships in the community are extensive and serve to enhance the education of our students in a variety of ways. For instance, the generosity of our partners funds scholarships and professorships that support our students and faculty members. Additionally, our community colleagues provide exceptional training environments for our students.

We encourage you to visit our beautiful campus so that we may introduce you to our outstanding faculty, staff and students, and give

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you a tour of our state-of-the-art facilities. I know you will quickly see for yourself why students with dreams of working in the healthcare field choose the Brooks College of Health and the University of North Florida as their educational home. I look forward to welcoming you!

A handwritten signature in black ink that reads "Curt Lox". The signature is fluid and cursive, with the first name "Curt" and last name "Lox" clearly distinguishable.

Curt Lox, PhD
Dean, Brooks College of Health
University of North Florida
c.lox@unf.edu

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Vision, Mission and Values of the College

Vision

Global leader in the generation of health knowledge, the provision of health care, and the preparation of health experts.

Mission

To forge professionals dedicated to enhancing the health and well-being of our local, national, and global communities.

Values

In the fulfillment of our mission, the Brooks College of Health upholds the following UNF values:

Integrity – We do the right thing, for the right reason, at the right time.

Respect – We treat everyone with kindness, we are informed by the perspectives of others, and we draw strength from our differences.

Accountability – We are responsible for how the outcomes of our actions affect others and our environment.

Innovation – We harness creativity and talent to turn challenges into opportunities and problems into solutions in a uniquely UNF way.

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Brooks College of Health

Contact Information

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Phone: (904) 620-2810

Fax: (904) 620-1030

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Brooks College of Health

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Rachel Martin, M.A., Career Coordinator, Professional Development

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Jodi Newton, Computer Technician

(904) 620-1207; j.newton@unf.edu

Pam Niemczyk, Administrative Assistant, Administrative Services to the Dean's Office

(904) 620-2810; p.niemczyk@unf.edu

Carolyn Smith, Executive Secretary

(904) 620-1055; carolyn.smith@unf.edu

Theresa Bennett, Budget Coordinator

(904) 620-2017; tbennett@unf.edu

Dona Yazbec, Office Manager to the Director and Assistant Director of Development

(904) 620-1201, d.yazbec@unf.edu

Julie Merten, Ph.D, Coordinator of Community Engagement, Associate Professor

(904) 620-2810; jmerten@unf.edu

Valerie Morrison, DBA, MSM, BSN, R, NEA-BC, SHRM-SCP, Student Health Services Director

(904) 620-2900; v.morrison@unf.edu

Richmond, Wynn, PhD, CMHC, Student Mental Health Counseling Center Director

(904) 620-2663; rwynn@unf.edu



Brooks College of Health Academic Advising

Office Location: Building 39, Room 2031

Office Hours: Monday-Friday 8am-5pm (call for available walk-in advising hours or to schedule an appointment)

Phone: (904) 620-2812

Fax: (904) 620-1770

Email: cohadvise@unf.edu

Undergraduate Academic Advising

Miwa Nguyen, Ed.D., Director, Academic Advising

Debbie Kochanowski, M.Ed., M.S.H., Assistant Director

Sara Ouimet, M.Ed., Senior Academic Advisor

Daniel Byrd, M.S., Academic Advisor

Megan Northcut, M.S., Academic Advisor

Emily Schroder, M.S., Online Program Academic Advisor

Nicole Dorman, B.A., Online Program Academic Advisor

Stephanie Biscocho, B.B.A., Administrative Secretary

Advising Mission

The Brooks College of Health Advising Office takes a proactive approach in serving all student populations interested in the health field. By advocating and collaborating with all University resources the advising office will assist students in building strong academic and personal skills. Advising will provide personalized and developmental advising geared to assist students academic and career goals. In addition, Advising promotes independent decision-

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making skills that develop competent individuals.

Advising Philosophy

We strive to guide you towards your academic goals by providing information, references, and advice; however, we will not make your choices for you. Advising is an engaging process between the advisor and the advisee where ultimately you are in full control of your educational experience. We are your resource to help you succeed.

Advisor responsibilities:

To support the core values of the UNF advising program, advisors will...

- Demonstrate professionalism and empathy towards their advisees
- Assist students in understanding the purposes and goals of higher education and its effects on their lives and personal goals
- Encourage individualistic goals and decision making
- Initiate motivation and ambition for development and self-improvement
- Be knowledgeable of policies, procedures, student services and reference information
- Recommend social and academic extra-curricular organizations in addition to applicable campus resources
- Maintain confidentiality and uphold FERPA Regulations

Graduate

Program Directors

Andrea Arikawa, Ph.D., R.D.N, L.D./N, F.A.N.D., Associate Professor & Co-Director, Doctorate in Clinical Nutrition Program

Elissa Barr, Ph.D., Professor & Director, Public Health Program

Michele Bednarzyk, D.N.P, F.N.P., B.C., Associate Professor & Program Director, Family Nurse Practitioner

Michelle Boling, PhD, LAT, ATC, Associate Professor & Director, Athletic Training

James Churilla, Ph.D., MPH, RCEP, Professor & Program Director, M.S.H. Kinesiology and Lifestyle Medicine

D. Rob Haley, Ph.D., Professor & Director, Master of Health Administration

John P. McDonough, Ed.D, C.R.N.A., Professor & Director, Graduate Nursing; Director Nurse Anesthetist Program

Shyam Paryani, MD, MS, MHA, Director, Executive Master of Health Administration Program

Sherry Pinkstaff, PT, PhD, DPT, Associate Professor & Director, Physical Therapy

Claudia Sealey-Potts, Ph.D., R.D., L.D./N., F.A.N.D., Associate Professor & Director, MS Nutrition & Dietetics, Dietetic Internship Program, I.S.P.P.

Jennifer Serotta, D.N.P, A.R.N.P, F.N.P.-BC, Assistant Professor - Director, post-MSN Doctor of Nursing Practice Program

Helene Vossos, D.N.P., A.P.R.N., P.M.H.N.P.-B.C., Director, PMHNP DNP/Certificate

Lauri Wright, Dr.PH., R.D.N, L.D./N., Assistant Professor, Chair & Director, Doctorate in Clinical Nutrition

Robert Zeglin, Ph.D, Associate Professor & Director- Clinical Mental Health Counseling

Zhiping Yu, Ph.D., R.D.N., L.D./N., F.A.N.D., Associate Professor & Director, M.S. Nutrition Program

Graduate students work with their program directors to develop their initial programs of study. The BCH Advising Office is available for advising assistance.



Brooks College of Health Undergraduate Academic Policies

- [Concurrent or Transient Enrollment](#)
- [Degree Evaluation](#)
- [Limited Access Programs](#)
- [Returning from Probation or Suspension](#)

Concurrent or Transient Enrollment

Any current UNF student interested in taking a course at another institution must receive permission from the Advising Office. Sophomore level students can take up to 8 credits at another institution. Upper-level courses specific to the student's major must be approved by the program director. Students must speak with an advisor before they fill out the electronic transient form prior to the semester they wish to take the course.

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Degree Evaluation

Each new transfer student, except freshman, and native sophomore, junior, senior and post-baccalaureate UNF student must meet with the Brooks College of Health Academic Advising Office to review their degree evaluation once they enter the college. This meeting is mandatory and typically takes place prior to registration. Each admitted health student or UNF health student who reaches 30 credits will receive an email notification for a meeting. Health majors designated as honors students will receive academic advising from both a Brooks College of Health advisor and a Hicks Honors advisor until they reach 60 credit hours. An advising hold will be placed on the student's account to ensure they meet with Advising in a timely manner.

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Defined Major for Limited Access Programs

Students who are designated a Brooks College of Health limited access major including Prelicensure Nursing or Exercise Science must meet the minimum GPA admission requirement once the student has 45 attempted credit hours.

Limited access major students who do not meet the minimum GPA admission requirement when they have 45 attempted credit hours must change their major to Pre-Health before proceeding with additional coursework. Students will closely work with Brooks College of Health academic advisors to improve their academic performance while at the same time exploring alternate major options.

Pre-Health majors may apply for a limited access program once they meet the admission requirements or change major to another program.

Additionally, students who do not meet minimum college overall GPA requirements (3.00 for pre-Nursing; 2.75 for pre-Exercise Science) may not change their major to pre-Nursing and pre-Exercise Science.

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Returning from Academic Probation or Suspension

Students on academic probation that go inactive after non-enrollment for three consecutive semesters must receive permission from the program director to be re-admitted into the major.

Suspended students who wish to be re-admitted must receive permission from the program director and chairperson. Certain majors within Brooks College of Health will not re-admit students who left the institution on probation or were suspended.

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Brooks College of Health Undergraduate Majors

- [Health Administration, BHA](#)
- [Health Administration- Aging Services, BHA](#)
- [Health Science - Interdisciplinary Health Studies, BSH](#)
- [Health Science - Public Health, BSH](#)
- [Health Science - Exercise Science, BSH](#)
- [Nutrition and Dietetics - Community Nutrition and Food, BS](#)
- [Nutrition and Dietetics - Didactic Program in Dietetics , BS](#)
- [Nursing - Nursing-RN, BSN](#)
- [Nursing - Freshman Admit Nursing \(FAN\), BSN](#)
- [Nursing - Prelicensure Accel. Nursing, BSN](#)
- [Nursing - Prelicensure Nursing, BSN](#)

Baccalaureate Degree Programs

The baccalaureate degrees offered include: Bachelor of Science in Health (B.S.H.), with concentrations in Interdisciplinary Health Studies, Public Health, and Exercise Science; Bachelor of Science in Nutrition with concentrations in Didactic Program in Dietetics and Community Nutrition and Food; Bachelor of Health Administration; and Bachelor of Science in Nursing with concentrations for first-time-in-nursing students (Prelicensure) and for registered nurses seeking to complete the baccalaureate degree (RN-BSN).

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Brooks College of Health Undergraduate Minors

[Environmental Studies](#)

[Food Systems & Sustainability](#)

[Global Health](#)

[Health Education](#)

**** Note:** This Health Education Minor is only available to Health Science major with Public Health concentration students.

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Brooks College of Health Graduate Program Academic Policies

All graduate programs follow [university policies](#) within the Graduate School Policies and Regulations. Each graduate program has specific policies pertaining to their program. Graduate Student Handbooks can be found online or by contacting the graduate program director.

Graduate Program Directors

Andrea Arikawa, Ph.D., R.D.N, L.D./N, F.A.N.D., Associate Professor & Co-Director, Doctorate in Clinical Nutrition Program

Elissa Barr, Ph.D., Professor & Director, Public Health Program

Michele Bednarzyk, D.N.P, F.N.P., B.C., Associate Professor & Program Director, Family Nurse Practitioner

Michelle Boling, PhD, LAT, ATC, Associate Professor & Director, Athletic Training

James Churilla, Ph.D., MPH, RCEP, Professor & Program Director, M.S.H. Kinesiology and Lifestyle Medicine

D. Rob Haley, Ph.D., Professor & Director, Master of Health Administration

John P. McDonough, Ed.D, C.R.N.A., Professor & Director, Graduate Nursing; Director Nurse Anesthetist Program

Shyam Paryani, MD, MS, MHA, Director, Executive Master of Health Administration Program

Sherry Pinkstaff, PT, PhD, DPT, Associate Professor & Director, Physical Therapy

Claudia Sealey-Potts, Ph.D., R.D., L.D./N., F.A.N.D., Associate Professor & Director, MS Nutrition & Dietetics - Dietetic Internship Program, I.S.P.P.

Jennifer Serotta, D.N.P, A.R.N.P, F.N.P.-BC, Assistant Professor -

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Director, post-MSN Doctor of Nursing Practice Program

Helene Vossos, D.N.P., A.P.R.N., P.M.H.N.P.-B.C., Director,
PMHNP DNP/Certificate

Lauri Wright, Dr.PH., R.D.N, L.D./N., F.A.N. D., Assistant Professor,
Chair & Director, Doctorate in Clinical Nutrition

Robert Zeglin, Ph.D, Associate Professor & Director- Clinical Mental
Health Counseling

Zhiping Yu, Ph.D., R.D.N., L.D./N., F.A.N.D., Associate Professor &
Director, M.S. Nutrition Program

Graduate School

E-mail: graduateschool@unf.edu

J.J. Daniel Hall

Building 1, Room 2000

Telephone (904) 620-1360

Fax: (904) 620-1362



Brooks College of Health Graduate Admission & Degree Requirements

School of Nursing

- [BSN-DNP Anesthesiology Nursing](#)
- [BSN-DNP Family Nurse Practitioner](#)
- [BSN-MSN Nursing Education](#)
- [BSN-MSN Leadership and Nursing Administration](#)
- [Post-MSN Doctor of Nursing Practice](#)
- [Post-MSN Doctor of Nursing Practice Psychiatric Mental Health](#)

Department of Health Administration

- [Master of Health Administration](#)
- [Executive Master of Health Administration](#)

Department of Public Health

- [Master of Public Health](#)
- [Master of Science in Clinical Mental Health Counseling](#)

Department of Clinical and Applied Movement Sciences

- [Master of Science in Health in Kinesiology and Lifestyle Medicine](#)
- [Master of Science in Athletic Training](#)

Department of Physical Therapy

- [Doctor of Physical Therapy](#)

Department of Nutrition

- [Master of Science in Nutrition and Dietetics](#)

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- [Doctorate in Clinical Nutrition](#)

School of Nursing

BSN to DNP Anesthesiology Nursing (DNP)

[Nurse Anesthesiology](#) is a clinical specialty track within the School of Nursing. The nurse anesthesiology curriculum is an extremely rigorous academic and clinical undertaking. It consists of a nine-semester continuous program of full-time graduate study. Graduates are eligible to take the National Certification Examination to become a Certified Registered Nurse Anesthetist (C.R.N.A.) as well as to obtain the Advanced Practice Registered Nurse (APRN) credential from the Florida Board of Nursing. This program admits for the spring term.

Admission Requirements

Applicants to the program must meet general University requirements for admission to graduate studies. In order to be considered for the Anesthesiology Nursing track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing (BSN) degree from a regionally accredited institution with a nursing curriculum based on AACN's *Essentials of Baccalaureate Education* (or other appropriate discipline from a regionally accredited institution*)
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (generally the last 60 hours)
- GRE test scores within the last five (5) years
 - 153 verbal, 144 quantitative, and a minimum of 3.5 out of 6 on the essay portion
- A minimum of two (2) years experience as a Registered Nurse in a critical care setting (resume or CV 1-2 pages in length that includes professional work experience with a brief explanation of each position's responsibilities)
- Personal statement of 500 words (1 page only) *or less* describing one's purpose in seeking admission to the CRNA program and preparations made for such academic studies (typewritten in no smaller than 12pt font with 1" margins)
- Current licensure as a Registered Nurse; out-of-state applicants will need to obtain FL licensure as a RN or have a license that is from a compact state upon admission to the

program (copy of actual RN license)

- Two (2) letters of recommendation addressed to the NAP Selection Committee (but submitted to the Graduate School) from individuals qualified to render an opinion regarding your qualification to undertake the study of anesthesia and nursing at the graduate level

Applicants who have met the minimum admission requirements may be invited for an interview. Applicants will not be admitted without an interview. [^] [Go to top](#)

BSN-DNP Family Nurse Practitioner (DNP)

The purpose of the [BSN-DNP Family Nurse program](#) is to prepare family care nurse practitioners to become skilled in meeting healthcare needs of individuals and families across the life span. Family nurse practitioners concern their practice with the treatment of common, uncomplicated problems and the prevention of disease and disability. Program graduates will be eligible to take the Family Nurse Practitioner certification examinations. Graduates will also be eligible for licensure as Advanced Registered Nurse Practitioners by the Florida Board of Nursing.

The School of Nursing offers full- and part-time enrollment in this track. The Program-of-Study reflects the full-time option; please contact the program for information regarding the part-time track.

Admission Requirements

Applicants to the BSN-DNP FNP track must meet general University requirements for admission to graduate studies. In order to be considered for the Family Nurse Practitioner track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing (BSN) degree from a regionally accredited institution with a nursing curriculum based on AACN's *Essentials of Baccalaureate Education*
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (generally the last 60 hours)
- One (1) year experience as a Registered Nurse in a clinical setting (resume no longer than 2 pages in length to only include professional RN work experience with a brief explanation of each position's responsibilities, indication if the position was FT or PT, & an estimate of the hours worked)

overall in the position).

- Clear and active licensure as a Registered Nurse in Florida; out-of-state applicants will need to obtain FL licensure as a RN upon admission to the program (copy of actual RN license)
- *An interview may be requested of the applicant at the discretion of the program*

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BSN to MSN Nursing Education

The purpose of this [Master of Science in Nursing Education](#) is to prepare nurses at the graduate level for the role of nurse educator in the academic or clinical setting. This program will provide learners with the teaching and research skills necessary to effectively lead students, clinical staff, and patients in various settings. The curriculum integrates core graduate level concepts such as patient safety and research with advanced clinical concepts and evidence-based pedagogy to prepare nurses for roles in education within the community, college settings or healthcare agencies. The program curriculum includes all nurse educator competencies to prepare students to obtain Certified Nurse Educator (CNE) credentials upon graduation (must meet NLN eligibility criteria).

Admission Requirements

Applicants to the [BSN-MSN Nursing Education track](#) must meet general University requirements for admission to graduate studies. In order to be considered for the Nursing Education track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing (BSN) degree from a regionally accredited institution with a nursing curriculum based on AACN's *Essentials of Baccalaureate Education*
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (generally the last 60 hours)
- One (1) years' experience as a Registered Nurse in a clinical setting (resume no longer than 2 pages in length to *only* include professional RN work experience with a brief explanation of each position's responsibilities, indication if the position was FT or PT, & an estimate of the hours worked overall in that position)
- Clear and active licensure as a Registered Nurse in FL; out-of-state applicants will need to obtain FL licensure as a RN upon admission to the program (copy of actual RN license required)

- *An interview may be requested of the applicant at the discretion of the program*

For assistance with self-uploads of materials, please contact the UNF Graduate School at (904) 620-1360.

BSN to MSN Nursing Leadership and Administration

The purpose of this [Master of Science in Nursing Leadership and Administration](#) is to prepare nurses at the graduate level to successfully manage and lead healthcare services across a variety of settings. Graduates will be equipped with the skills to incorporate evidence-based knowledge into practice to improve healthcare outcomes in response to emerging trends and issues in practice and health care. The curriculum builds on leadership, evaluation, and organizational management methods to improve healthcare delivery in today's complex care settings. Graduates are prepared with the requisite knowledge to take the ANCC Nurse Executive certification exam upon graduation (must meet ANCC eligibility criteria).

Admission Requirements

Applicants to the [BSN-MSN Nursing Leadership & Administration track](#) must meet general University requirements for admission to graduate studies. In order to be considered for the Leadership track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing (BSN) degree from a regionally accredited institution with a nursing curriculum based on AACN's *Essentials of Baccalaureate Education*
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (generally the last 60 hours)
- One (1) years' experience as a Registered Nurse in a clinical setting (resume no longer than 2 pages in length to *only* include professional RN work experience with a brief explanation of each position's responsibilities, indication if the position was FT or PT, & an estimate of the hours worked overall in that position)
- Clear and active licensure as a Registered Nurse in FL; out-of-state applicants will need to obtain FL licensure as a RN upon admission to the program (copy of actual RN license required)
- *An interview may be requested of the applicant at the*

discretion of the program

For assistance with self-uploads of materials, please contact the UNF Graduate School at (904) 620-1360.

Post-MSN Doctor of Nursing Practice (Generic)

The [Doctor of Nursing Practice \(D.N.P.\)](#) generic track is a post-professional degree that prepares nurses at the highest level of practice. The 48-credit program includes a clinical residency as well as a nursing doctoral project. The purpose of the program is to enhance the preparation of advanced practice nurses by giving them the cutting-edge skills and education necessary to engage in an evidence-based practice while conducting research related to their practice. The program has specific admission requirements above and beyond the ones currently required by the university.

Admission Requirements

The post-MSN Doctor of Nursing Practice program at the University of North Florida is designed as a program for those who already possess, at a minimum, a Master of Science in Nursing and specialty certification. This program is offered in online format.

The program will require specific admission requirements above and beyond the ones currently required by the University. Admission requirements for the Post-MSN DNP track include:

- Masters degree in Nursing from a regionally accredited institution and program accredited by the ACEN (formerly NLNAC) or CCNE
- National certification in one of the following APRN roles: NE-BC, NEA-BC, CNE, CNM, CNS, CRNA, or NP (copy of certificate required);
- Minimum graduate GPA of 3.30;
- Current licensure as a Registered Nurse or advanced practice registered nurse in the candidate's state of practice (copy of actual licensure is required);
- Current resume or curriculum vitae of all nursing roles/experiences

Post-MSN Psychiatric Mental Health Nurse Practitioner DNP

The [post-MSN Doctor of Nursing Practice PMHNP DNP](#) program at the University of North Florida is designed as a program for those who already possess, at a minimum, a Master of Science in Nursing and are certified as an Advanced Practice Registered Nurse (APRN) who wish to obtain their DNP and become certified as a PMHNP. This program will lead to the completion of a Doctor of Nursing Practice. The program requires 61 credits and 750 clinical hours. This program is completed online.

Admission Requirements

The program will require specific admission requirements above and beyond the ones currently required by the University. Admission requirements for the Post-MSN PMHNP DNP track include:

- Masters degree in Nursing from a regionally accredited institution and program accredited by the CCNE or ACEN (formerly NLNAC);
- Active national certification as a nurse practitioner (copy of actual certification is required);
- Minimum graduate GPA of 3.30;
- Current licensure as an Advanced Practice Registered Nurse (APRN) in the candidate's state of practice (copy of actual licensure is required);
- Current resume or curriculum vitae of all nursing roles/experiences

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Department of Health Administration

Master of Health Administration

UNF's [Master of Health Administration Program](#), accredited by the Commission on the Accreditation of Healthcare Management (CAME), is designed to prepare individuals in the southeastern United States to serve as effective managers and leaders in health services organizations. Our 45-credit-hour program includes a combination of classroom instruction and real world experience; providing students the opportunity to learn and interact with some of the nation's largest health care organizations. To accommodate student schedules, courses are offered in the evenings from 6:00-8:45pm. Graduates are typically employed in hospitals, large integrated delivery systems, academic medical centers, physician practices, skilled nursing facilities, outpatient care centers, and

insurance companies.

Admission Criteria

All applicants must have a bachelor's degree from an accredited college or university. No specific undergraduate major is required. However, applicants must have met prerequisite course requirements. Prerequisite coursework includes: Principles of Financial Accounting and Statistics, or their equivalent. Additionally, students are expected to be proficient in word processing and spreadsheet applications.

Each applicant must submit the following:

- **Personal Statement:** This is a brief essay (2-3 pages) outlining the candidate's reasons for pursuing graduate education in health administration, career objectives, and any other information he or she would want the UNF MHA Admission Committee to know.
- **Resume:** Education and work background; honors; memberships in professional, school, and service organizations; etc.
- **Letters of recommendation:** Two letters of recommendation that address the following: 1) Characteristics that make you an ideal candidate for the UNF MHA Program, and 2) How the MHA degree will help you achieve your career goals.
- **Undergraduate Transcripts:** An official transcript, indicating graduation from a college or university that has been accredited by a recognized U.S. accrediting organization. Competitive candidates should have at least a 3.0 grade point average in all undergraduate upper division work. However, the Admission Committee may consider the entire application for admission.
- **Graduate Record Examination (GRE):** Competitive candidates will have a desired verbal GRE score of 153 and a quantitative score of 144 on the new GRE point scale; the GMAT will be accepted in place of the GRE with a desired 500 total score. GMAT scores may be waived for applicants holding a professional doctoral degree (e.g., M.D., J.D., D.D.S) from a U.S. accredited school as well as those who earned their undergraduate degree from UNF with a GPA of 3.5 or higher in all work attempted in the last 60 credit hours of their undergraduate study.
- **Minimum TOEFL Score:** Applicants from countries where English is not the official language, or for an applicant whose

bachelor's degree is not from an accredited U.S. institution must meet University requirements for scores on the Test of English as a Foreign Language (TOEFL). A minimum TOEFL score of 500 paper-based (61 internet-based) is required.

- Admission decisions are made based on evaluation of all admission materials. Applicants are assessed primarily by a critical evaluation of their demonstrated academic ability and potential. Consideration is given to candidates who can effectively communicate their motivation for earning their MHA and their leadership potential in the field of healthcare administration.

Master of Health Administration

UNF's [Executive Masters in Health Administration](#) is uniquely designed to focus on the academic and leadership imperatives that enable highly talented mid-career professionals to excel in our rapidly changing health care delivery environment. Our 30 credit-hour program provides contextual and leading-edge concepts to provide you with the critical-thinking skill-sets and necessary competencies to succeed in complex and challenging business situations.

To accommodate the unique needs of working student, our courses are offered online. Graduates are typically employed in hospitals, large integrated delivery systems, academic medical centers, physician practices, skilled nursing facilities, outpatient care centers, and insurance companies.

Admission Criteria

All applicants must have a bachelor's degree from an accredited college or university. No specific undergraduate major is required.

Each applicant must submit the following:

- At least five years of healthcare experience.
- Currently employed in the health or human services field and have, or expect to have, managerial or supervisory experience.
- Bachelor's degree from an accredited college or university with a grade point average of at least 3.0 on a 4.0 scale.
Allowances may be made when justified by exceptional work experience and letters of recommendation.
- Letter of Interest.
- Two Letters of Recommendation.

Department of Public Health

Master of Public Health Program

The MPH Program is the most widely recognized professional credential for leadership positions in public health. This degree is appropriate for those who wish to pursue careers in epidemiology; in developing, planning, managing, or evaluating health promotion and disease prevention programs; in conducting public health related research; or advocating for public health policy. The UNF MPH Program is aligned with the Council on Education for Public Health's (CEPH) 22 Foundational Competencies and offers concentrations in [Epidemiology](#) and [Social & Behavioral Science](#). MPH graduates will be able to integrate and apply their knowledge to address public health problems and will possess skills and competencies necessary for public health practice in a wide range of public and private institutions. Graduates are typically employed in governmental or non-profit health agencies, health care facilities, or work site wellness programs.

The UNF MPH Program is nationally accredited by the [Council on Education for Public Health \(CEPH\)](#). Graduates are eligible to become Certified in Public Health (CPH) by passing the CPH exam offered by the [National Board of Public Health Examiners \(NBPHE\)](#). Graduates are also eligible to become a Certified Health Education Specialist (CHES) by passing the exam offered by the [National Commission for Health Education Credentialing \(NCHEC\)](#).

The MPH Program admits one cohort of students each fall semester. The full- time program can be completed in 2 years and the part time in 3 years (including fall, spring, and summer terms). The program is hybrid and requires approximately 50% face-to-face instruction and 50% online instruction. Students spend approximately 1-2 evenings per week in class. This format makes the Program very accessible to those working full time while still providing meaningful interaction with faculty and peers.

Admissions Process

MPH Program admissions are handled by the UNF Graduate School (<http://www.unf.edu/graduateschool/>). The UNF MPH Program only accepts applications for the fall term of each year. The following

information must be submitted to the UNF Graduate School by the published deadline.

Admission Criteria

Minimum admissions requirements for the MPH Program are listed below. Each student shall submit:

- Official transcripts from all attended institutions documenting a baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a GPA of 3.0 on 4.0 scale or higher on all work attempted as an upper division undergraduate student (normally the last 60 hours) and any graduate level work or degree.
- GRE test scores (verbal and quantitative) dated within the past five years. Other standardized exams will not be accepted in lieu of the GRE.
- Letter of intent describing:
 - reasons for seeking an MPH degree;
 - short and long-term goals; and
 - what makes you a great candidate for our program.
- Resume
- Two letters of recommendations

NOTE: Students should be aware that admission into any graduate program is granted on a competitive basis. Students meeting minimum requirements may be denied admission based on such factors as program capacity or academic discretion. Likewise, students may be considered for admission as an exception if stated admissions criteria are not met.

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Master of Science in Clinical Mental Health Counseling

The [Clinical Mental Health Counseling](#) degree program is designed to provide comprehensive training for individuals who wish to facilitate counseling with diverse populations in a variety of mental health settings. This program provides students with an intellectually stimulating and supportive environment, which encompasses academic rigor and promotes excellence, ethical and professional integrity, and effective interpersonal communication and therapeutic skills. Curricular experiences include opportunities to explore the life

span and social and cultural foundations of behavior; practice empirically supported psychotherapeutic and diagnostic skills; engage in personal growth and self-care; and complete extensive clinical field experiences in order to apply knowledge and skills in professional settings. Upon successful completion of the program, graduates have received the necessary course work to apply for the Licensed Mental Health Counselor (LMHC) credential in the state of Florida.

Admission Criteria

All applicants must have a bachelor's degree from a regionally accredited college or university. No specific undergraduate major is required.

Each applicant must submit the following:

- Graduate student application (available at www.unf.edu/graduateschool) and appropriate application fee.
- Official transcripts from all institutions attended. A GPA of 3.0 on 4.0 scale or higher on all work attempted as an upper division undergraduate student (normally the last 60 hours) and any graduate level work or degree is required. Admission into the CMHC program is competitive and often exceeds the minimum GPA requirement.
- Letter of Intent: Your responses should be typewritten, double spaced, 12-point font, and should not exceed 3 pages: (1) What motivates you to pursue a degree in clinical mental health counseling at UNF? (2) Describe your work and/or volunteer experiences in a helping role (3) What are your short-term and long-term educational, research, and professional goals?
- Resume: Your professional resume should summarize your education, employment, and volunteer work history related to mental health counseling, research activities, and any counseling-related presentations, or poster sessions you have facilitated at professional conferences.
- Three references are required. References consist of completion of a required brief applicant rating form with the option of submitting a letter. It is preferable to have at least one reference from a current or previous professor. Other references can be from counseling professionals, employers, supervisors, or an individual who can recommend your suitability for graduate study and for the profession of clinical mental health counseling.

**An interview is also required. On-site interviews are preferred; however, video conferencing or telephone interviews may be conducted for applicants living outside of the greater Jacksonville area.

**UNF seniors in psychology, sociology, or public health may be eligible to apply via the Express Application process. This waives one letter of recommendation. Details available on the CMHC webpage.

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Department of Clinical and Applied Movement Sciences

Masters of Science in Health: Kinesiology and Lifestyle Medicine

The [Master of Science in Health \(MSH\) in Kinesiology and Lifestyle Medicine \(KALM\)](#) is a life sciences degree that integrates an evidenced-based curriculum in an applied research environment. Students pursuing the MSH in KALM are required to take 11 core courses in exercise physiology, epidemiology, biostatistics, research methods, and behavioral medicine for a total of 33 credits hours. The remaining credits will be satisfied with either a three or six credit internship/project or six credit thesis option. Elective coursework is available for students who choose the three credit internship/project option in the areas of strength and conditioning, epidemiology, pathophysiology, pharmacology, nutrition and ethics. Students must declare a thesis or non-thesis option upon acceptance in to the program. The MSH in KALM requires the completion of 39 graduate credit hours and should be completed in two years.

The MSH in KALM curriculum will provide students with the knowledge and skills necessary to work and provide leadership in the areas of health and fitness, preventive medicine, cardiopulmonary rehabilitation, diabetes education, strength and conditioning, lifestyle coaching, and clinical research. Thesis option students will begin preparation towards becoming independent investigators by developing the skills necessary to conduct original research. Thesis option students may be exposed to both primary data collection (human subjects) and secondary data analysis (existing data sets). Students planning on pursuing a terminal degree (e.g., Ph.D., M.D.) are strongly encouraged to pursue the

thesis option. Thesis option students will be accepted each fall on a competitive basis and contingent upon graduate assistantship funding. Students are encouraged to sit for the national certifications offered by the American College of Sports Medicine (ACSM) and National Strength and Conditioning Association (NSCA). The internship option culminates in a 150 or 300-hour experiential internship working under the direct supervision of a graduate degreed professional in fields including Exercise Physiology/Kinesiology, Epidemiology, Public Health and Medicine.

Admission Criteria

UNF admits 15-20 students into the MSH in KALM program each fall semester. To be considered for admission, students must apply to the program by August 1st (postmark) of the year for which they wish to be admitted. Prior to enrolling in MSH courses, students must have the following credentials:

- Baccalaureate degree from an accredited college or university recognized by the University of North Florida. The MSH program does not require a specific undergraduate major. Applicants who apply while still enrolled in an undergraduate degree program will be admitted contingent upon successful completion of the bachelors' degree and prerequisite coursework prior to enrolling in graduate courses.
- Completion of all prerequisite courses. Applicants who apply while still enrolled in prerequisite courses will be admitted contingent upon successful completion of all courses.
- Cumulative 3.0 GPA or higher in the last 60 semester hours taken during the last two years of undergraduate study.
- The Graduate Record Examination (GRE) taken within the past five years:
 - If a GPA from the last two years of undergraduate study (60 semester hours) is above 3.0, a minimum combined score of 290 on the GRE (146 or higher on the verbal and 144 or higher on the quantitative) is required. A GRE writing score of 3.5 is required.
 - If a GPA from the last two years of undergraduate study (60 semester hours) is below 3.0, a minimum combined score of 295 on the GRE (148 or higher on the verbal and 147 or higher on the quantitative) is required. A GRE writing score of 3.5 is required.
- Interview with MSH Program Director. Telephone or Zoom

interviews are options for applicants who are not able to come to the UNF campus; however, visiting the campus for an in-person interview is encouraged.

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Master of Science in Athletic Training

The Department of Clinical & Applied Movement Sciences (CAMS) offers a [Master of Science in Athletic Training \(MSAT\)](#). This degree program offers a challenging pathway for post-baccalaureate students to pursue a career in the prevention, evaluation, treatment, and rehabilitation of injuries and conditions among patients and athletes. The MSAT program will prepare students for the Board of Certification Examination to become a Certified Athletic Trainer. The UNF MSAT program provides students the opportunity to gain valuable clinical experience in a variety of settings, including secondary school, college/university, professional, clinic, and industrial.

Admission Criteria

Students with a bachelor's degree in any academic area and meet the admission requirements below may be considered for admission to the Master of Science in Athletic Training (MSAT). Admitted students will begin classes during the Summer B semester.

The admissions requirements are as follows:

1. A bachelor's degree from a regionally accredited college/university.
2. A minimum of a 3.0 overall GPA in undergraduate coursework. Students must complete all prerequisite courses prior to successfully matriculating through the MSAT. Failure to submit final transcripts by June 30th will result in dismissal from the MSAT.
3. GRE required with preferred scores above the 50th percentile in the verbal, quantitative, and analytical areas. GRE Institution Code: 5490
4. Meet the technical standards for admission ([Technical Standards Form](#)).
5. 50 hours of observational experience under the supervision of a Certified Athletic Trainer ([UNF Athletic Training Observation Form](#)).
6. Three (3) letters of recommendation. One letter of recommendation must be from an Athletic Trainer who supervised you during your observational experience.

7. Personal statement describing prior experiences, accomplishments, and career goals.
8. Interview (on campus preferred) with the UNF Athletic Training Faculty and Preceptors

Prerequisite Courses (35 semester credit hours)

The requirements listed below are prerequisites for the MSAT. Course numbers listed below are for courses in the Florida State University System. Any substitutions to these requirements are made at the time of evaluation for admission into the MSAT program. Applicants must demonstrate completion with a minimum grade of "C" at the undergraduate or graduate levels in each of the following courses:

- CHM 2045/2045L General Chemistry I with Lab
- PHY 2053/2053L Algebra-based Physics I with Lab
- BSC 2085C Anatomy and Physiology I with Lab
- BSC 2086C Anatomy and Physiology II with Lab
- BSC 1010C General Biology I with Lab
- PSY 2012 Introduction to Psychology
- PET 3312C Biomechanics or PET 3310 Kinesiology
- HSC4612 Exercise Physiology for Health Science
- HUN2201 Basic Prin Human Nutrition
- STA2023 (GM) Elem Statistics-Business

How to Apply

Applicants should follow each of the steps below:

1. Application submitted through [ATCAS](#) (\$85 for first application, \$45 for each additional program).
2. Application and admission to UNF (\$30 Non-refundable application fee). If you are a current UNF student, you can complete the [Express Application](#).
3. Submit hard copy, official, sealed transcripts from all institutions at which you were ever enrolled (this includes AP, CLEP, IB, dual enrollment, transient enrollment, military, and foreign transcripts) to the Graduate School at the following address: University of North Florida, Attn: Graduate School, 1 UNF Drive, Jacksonville, FL 32224. Institutions can submit transcripts vial email to the graduate school (graduateschool@unf.edu) from an approved vendor such as ScriptSafe, Credentials, or Parchment.
4. Submit official GRE scores to the Graduate School (institution code is 5490); scores are only kept by ETS for a 5-year period

and we require the revised version of the exam.

*Applicants who do not complete both UNF Graduate School and ATCAS applications will be disqualified. You are required to submit all transcripts to BOTH locations as the systems are completely separate.

*The receipt of materials submitted to the UNF Graduate School may be confirmed online in the [myWings](#) student portal or with the Graduate School at (904) 620-1360.

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Department of Physical Therapy

Doctor of Physical Therapy

The [Doctor of Physical Therapy \(DPT\)](#) is a fully accredited, post-baccalaureate entry-level degree that prepares the graduate to practice physical therapy. The 102-hour program is designed to give students in-depth knowledge of basic and clinical sciences relevant to physical therapy. Clinical education is woven throughout all three years of the program. These experiences allow students to apply their knowledge in reflective practice under the direction of expert clinicians. Graduates of the DPT program are eligible to take the physical therapy licensure examination following successful completion of the program. Students applying to the physical therapy program must have earned a baccalaureate degree prior to admission. While the student can select an undergraduate major of personal interest, specific course prerequisites are required of all students. Information regarding the DPT program and deadlines for admission are available from the Department of Clinical & Applied Movement Sciences.

Admission Requirements

Below you will find the basic requirements for admission to the Doctor of Physical Therapy Program (DPT) at the University of North Florida. Please note that satisfaction of the below factors does not guarantee an interview or admission to the program as the application process is highly competitive. Applicants must adhere to the following requirements:

- Applicants must have a baccalaureate degree from a regionally accredited college or university.
- Applicants must have a 3.0 GPA or higher in all work

attempted as an upper-level student, normally the 60 semester hours taken during the last two years of undergraduate study. They must also have a science prerequisite GPA and non-science prerequisite GPAs each of no less than 3.0. Please note that all attempts at a prerequisite course will be averaged together when calculating the prerequisite GPA score.

- Applicants must have completed all science and math prerequisite coursework within 7 years prior to application.
 - Online courses are NOT accepted for the following prerequisites: anatomy, physiology, physics, or chemistry courses.
 - Hybrid courses are only accepted for the prerequisite courses listed above if the lab component is delivered in a face-to-face format (submission of course description/syllabi is required to verify course delivery mode).
- Six (6) of the eight (8) courses comprising the science GPA must be completed at the time of deadline (courses in progress are not considered completed).
- Two (2) of the three (3) required courses comprising the non-science GPA must be completed at the time of deadline (courses in progress are not considered completed).
- All prerequisites must be completed and final transcripts received prior to entering the program, if admitted.
- Applicants who are still enrolled or who plan to enroll in prerequisite courses may be admitted contingent upon successful completion of all courses with a grade of B or higher in each course (a grade of a B- is not acceptable).
- Applicants must have GRE test scores, including the analytical writing portion, that are no more than 5 years old.
 - Applicants with an analytical writing score below a 3.5 will be disqualified. The minimum acceptable score is a 3.5.
 - Competitive Verbal and Quantitative scores are generally in the 152 range. There is no minimum for these sections.
- Applicants must have a minimum of 80 hours of observation under the direct supervision of physical therapists, in at least three types of settings. These hours must be completed before the application deadline. Verification documentation should be submitted directly to [PTCAS](#). Do not submit these letters to the UNF Graduate School as you apply.
- Applicants must have two (2) letters of recommendation using the required [PTCAS](#) recommendation forms and should be

submitted through the [PTCAS](#) evaluation system.

- To be relevant to the application process, the recommendation letters should come from the following individuals:
 - At least one (1) be from a course instructor or academic advisor
 - At least one (1) from a licensed physical therapist.
- Applicants are required to have the ability to perform, with or without reasonable accommodations, each of the physical therapy essential functions in order to fully participate in the program and successfully complete the degree requirements.
- An interview may be required for competitive candidates. The Admissions Chair will assign applicants to be interviewed.

Admission Criteria

To be considered for admission, students must submit all application materials following the below steps by the application deadline (received by) listed on the [Important Dates](#) page. We are not responsible for processing times so please plan accordingly.

Applicants should follow each of the steps below. Please note there are TWO required applications, each requiring all documentation to be sent separately.

- Complete the UNF [online application](#) for graduate admission;
- Pay the UNF \$30 application fee;
- Submit official, sealed transcripts from all institutions at which you were ever enrolled (*this includes AP, CLEP, IB, dual enrollment, transient enrollment, military, and foreign transcripts*) to the Graduate School at the following address:
 1. University of North Florida, Attn: Graduate School, 1 UNF Drive, Jacksonville, FL 32224;
 2. Please contact the Graduate School directly for questions about the UNF application process
- GraduateSchool@unf.edu
- Submit official GRE scores to the Graduate School (institution code is 5490); scores are only kept by ETS for a 5-year period.
 - The receipt of materials submitted to the UNF Graduate School may be confirmed online in the [myWings](#) student portal or with the Graduate School at (904) 620-1360.
- Complete the [Physical Therapist Centralized Application Service \(PTCAS\)](#) application and submit application fee at

www.ptcas.org. Submit all necessary items (in addition to the items submitted to the Graduate School) directly to PTCAS.

- Materials submitted to PTCAS may be confirmed online at ptcas.org.

- PTCAS material checklist:
 - All transcripts
 - 2 letters of recommendation
 - Completed PTCAS application
 - Observation hours
 - GRE scores

Applicants who do not complete both UNF Graduate School and PTCAS applications will be disqualified.

You are required to submit all transcripts to BOTH the UNF Graduate School and PTCAS.

Do not submit any materials directly to the Physical Therapy program unless specifically directed to do so. Official transcripts sent to PTAdmissions@unf.edu will not be reviewed. For additional information please see our [Frequently Asked Questions About PT](#) page.

The following are exceptions to admission requirements due to COVID-19 for the 2021-2022 admissions cycle.

- *Online Courses/Labs: If your lab course was transitioned to an online format, during the Spring 202, Summer 2020, Fall 2020, and Spring 2021 semesters, we will accept the coursework toward prerequisites without in person lab work.*
- *Pass/Fail coursework: We are encouraging all prospective applicants to opt for the letter grade option if that is available. Prerequisites for the DPT program taken as pass/fail during the Spring and/or Summer 2020 semesters will be accepted and will not negatively impact admissions decisions for prospective students.*
- *Observation Hours: Our program is waiving requirements for the minimum number of observation hours.*
- *GRE Testing: We will accept the new at-home GRE testing being offered by ETS for this admissions cycle only.*

Again, these exceptions are only for the 2021-2022 admissions cycle. Please check back for future updates for the 2022-2023 admissions cycle.

Department of Nutrition & Dietetics

Master of Science in Nutrition and Dietetics/Dietetic Internship

The [Master of Science in Nutrition and Dietetics/Dietetic Internship](#) is a face-to-face designed program for those students who can think critically and wish to focus on the application of advanced nutrition knowledge in clinical or community practice. Fifteen students are admitted each fall to this 4-semester, full-time program. The Master of Science and Dietetic Internship program participates in the matching system and used DICAS online applicant portal. Students must complete both the Master's Degree and Dietetic Internship experience simultaneously in order to receive a verification statement and be eligible to take the National Registered Dietitian Examination. The Dietetic Internship at the University of North Florida has been granted Accreditation by: The Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics Association: (Address: 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995; Phone: 312-899-0040 ext. 5400; Email: ACEND@eatright.org; Website: <https://www.eatrightpro.org/acend>).

Master of Science in Nutrition and Dietetics/Non-internship Option

The wholly online Master of Science in Nutrition and Dietetics/Non-internship options is for Registered Dietitians or graduates of an ACEND accredited baccalaureate (DPD) program in nutrition and dietetics who wish to pursue graduate training. The coursework for all these programs is delivered using an online distance learning format. Students must choose one concentration from Professional Studies in Dietetics, Nutritional Sciences, Global Health, or Healthcare Informatics. This M.S. Nutrition/ Non-internship option allows students to pursue an independent research, thesis or project as a culminating experience in their master's program, earn a Global Health certificate, or earn a Healthcare Informatics certificate through a 12-credit certificate program.

View admission and program of study degree requirements for the [MS/Non-internship programs](#)

View graduate application [deadlines](#).

Doctorate in Clinical Nutrition

The Department of Nutrition & Dietetics now offers an online [Doctorate in Clinical Nutrition \(DCN\)](#). The DCN program is an advanced practice doctoral program with emphasis on leadership, advanced evidence-based practice, and outcomes-based research. In contrast to a PhD in Nutrition, which is generally focused on bench research, this degree focuses on practice and emphasizes production of applied scholarship and evidence-based outcomes in practice settings. The DCN will prepare practitioners for leadership roles in clinical, community or higher education settings through the course work, advanced practice residency, and the production of applied scholarship.

Graduates will gain expertise and skills in leadership and public policy, clinical treatment, cultural competency, critical thinking, and outcomes research to become advanced level nutrition and dietetics practitioners and researchers. The curriculum will integrate evidence-based practice in nutrition and dietetics to provide the foundation for completion of an outcomes-based research project. The significance of developing an advanced practice Doctorate in Clinical Nutrition is evident from the increasing prevalence of dietary-related chronic diseases (such as heart disease, diabetes, hypertension, obesity, certain cancers, and renal disease). Graduates of the program will be rigorously trained to provide leadership in dietary prevention, intervention, and treatment of chronic disease at the individual and population level.

View admission and degree requirements for the [DCN program](#).

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Brooks College of Health Graduate Degrees

- [Anesthesiology Nursing, DNP](#)
- [Athletic Training, MS](#)
- [Clinical Mental Health Counseling, MS](#)
- [Clinical Nutrition - Advanced Practice, DCN](#)
- [Public Health - Epidemiology, MPH](#)
- [Public Health - Social and Behavioral Science, MPH](#)
- [Executive Masters in Health Administration](#)
- [Health Administration, MHA](#)
- [Kinesiology and Lifestyle Medicine, MSH](#)
- [Nursing - Nursing Education, MSN](#)
- [Nursing - Leadership and Administration, MSN](#)
- [Nursing- Nurse Practitioner \(Family\), DNP](#)
- [Nursing-Psychiatric/Mental Health, DNP](#)
- [Nursing- DNP](#)
- [Nutrition & Dietetics/Dietetic Internship, MS](#)
- [Nutrition & Dietetics/Professional Studies, MS](#)
- [Physical Therapy, DPT](#)

Graduate Programs

The demand for highly educated men and women to fill a variety of health related professional roles is rapidly increasing and the faculty in the Brooks College of Health is committed to meeting this need. Of foremost importance in this endeavor is the educational preparation of responsible health professionals who will respond to the needs of the region served by the University of North Florida.

The College provides an administrative structure for all health related programs at the University within five units: the Department of Health Administration, the Department of Public Health, the

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Department of Clinical and Applied Movement Sciences
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Doctoral Programs

The Brooks College of Health offers three doctoral degree programs - a [Doctorate in Clinical Nutrition \(D.C.N.\)](#), a [Doctor of Nursing Practice \(D.N.P.\)](#) with four tracks and a [Doctor of Physical Therapy \(D.P.T.\)](#). The three terminal degrees are clinical doctorates with an emphasis on evidence-based practice.



Brooks College of Health Graduate Certificates

Animal Assisted Therapy in Counseling Certificate

The Graduate Certificate in [Animal Assisted Therapy in Counseling \(AAT-C\)](#) consists of 3 courses and provides specialized training and supervised practice in the ethical and humane inclusion of animals in the psychotherapeutic environment by credentialed mental health professionals. The curriculum is in alignment with the American Counseling Association (ACA) AAT-C Competencies of Practice. The AAT-C certificate may be completed by Clinical Mental Health Counseling (CMHC) students using the available 9 credits of elective coursework in the CMHC program of study. It is also open to School Counseling, Social Work, and Psychology graduate students pursuing a clinical learning track and/or post-graduate healthcare professionals for whom counseling or psychotherapy is part of their regular scope of practice.

Students who complete the UNF Graduate Certificate in Animal Assisted Therapy in Counseling will be able to:

- Interpret and apply the ACA AAT-C Competencies to practice in the CMHC setting.
- Articulate processes necessary to gain species-specific registrations needed for ethical practice.
- Classify animal welfare risks inherent in the utilization of animals in the counseling setting.
- Analyze attitudes, beliefs and acculturative experiences through experiential learning activities that foster student understanding of self, counselor identity and ethical practice especially with culturally diverse clients.
- Demonstrate ethical AAT-C practice congruent with identified

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evidence-based theories of counseling for assessment and interventions for treatment, personal growth and wellness.

Admissions Requirements

All application materials must be submitted to the UNF Graduate School.

New CMHC program applicants:

- Meet all admissions requirements as outlined on the [CMHC website](#)
- Submit a 1-2 page essay that addresses the following
 - Interest in the field of Animal Assisted Therapy in Counseling
 - Experience in working with animals, human-animal bond and/or the inclusion of animals and/or nature in healthcare or education
 - Expectations for professional use of Animal Assisted Therapy in Counseling Certificate
- One letter of recommendation

Current CMHC, School Counseling, Social Work or Psychology graduate students:

- Submit the essay as described above
- One letter of recommendation from a faculty advisor

Post-graduate community health/mental healthcare providers:

- Meet all [admission requirements](#) of The Graduate School as outlined below:
- Submit a 1-2 page essay that addresses the following
 - Interest in the field of Animal Assisted Therapy in Counseling
 - Experience in working with animals, human-animal bond and/or the inclusion of animals and/or nature in healthcare or education
 - Expectations for professional use of Animal Assisted Therapy in Counseling Certificate
- Submit a copy of your current Curriculum Vitae
- One professional letter of recommendation

Applied Public Health & Medical Education

Research Certificate

This 15-credit (5 courses) [Graduate Certificate in Applied Public Health and Medical Education Research](#) aims to improve the understanding and skills of medical education faculty allowing them to blend public health, research and teaching. Courses are selected based on individual needs addressing topics such as formulating research questions and designing studies, measuring health and educational outcomes with reliability and validity, competency-based evaluation, program evaluation and evaluation research, adult learning theory and training, curriculum development and assessment, and qualitative and quantitative research methods. Medical faculty will learn alongside MPH and Education graduate students to apply principles to the healthcare and medical education fields.

Admission Requirements

University requirements:

- UNF admission application and fee
- A baccalaureate degree from a regionally accredited U.S. institution, or its equivalent from a foreign institution, with a GPA of 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study.
- Official transcripts, and foreign evaluations if applicable, from all post-secondary institutions attended.

Program requirements:

- Resume
- This certificate is only open to hospital academic faculty, residents or fellows

Global Health Administration Certificate

The 12 credit [Graduate Certificate in Global Health Administration](#) aims to train future global healthcare leaders through an exchange of cultural, clinical, and educational knowledge and skills. It will help students formulate global health services policies, improve quality of care and service delivery within different health systems, plan health programs within diverse cultures, and manage global health programs.

Students who complete the UNF Graduate Certificate in Global Health Administration will be able to:

- Compare and contrast differences in the U. S. Health System and other International Health Systems
- Evaluate global health programs to maximize contributions to effective policy, enhanced practice, and improved health outcomes
- Work effectively within diverse cultural settings and across national and international political landscapes
- Apply leadership theories and a system approach to health services management, including strategic planning, budgeting, and resource allocation

Admissions Requirements

- A Baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a GPA of a 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study
- Application and Application to the University by posted deadline (Incomplete applications with outstanding requirements, or those post-marked after the posted deadline, are subject to cancellation. Once an application has been cancelled, the applicant will be required to apply for the next year, or as a graduate non-degree seeking applicant (limitations apply).
- Official transcripts, and foreign evaluations if applicable, from all post-secondary institutions attended.

Global Health Certificate

The 12 credit [Graduate Certificate in Global Health](#) aims to improve understanding of topics related to emerging global health issues such as sustainability of food and water resources, disease transmission and management, epidemics, and health care delivery in compromised settings. Global health is an interdisciplinary field that relies on a broad knowledge base to create innovative solutions to challenging health problems in resource poor settings. Students complete one required and three elective graduate courses in global health. Electives include discipline specific courses and study abroad opportunities. The program may be completed fully online depending on elective courses selected. This certificate is open to post-baccalaureate or current graduate students with an interest in global health.

Admissions Requirements

- A Baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a GPA of a 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study
- Application to the University
- Official transcripts, and foreign evaluations if applicable, from all post-secondary institutions attended.

Interprofessional Certificate in Healthcare Informatics

The 12 credit UNF graduate [Interprofessional Certificate in Healthcare Informatics](#) consists of 4 courses from the Brooks College of Health, Coggin College of Business, and the College of Computing, Engineering, and Construction. It was developed by an interdisciplinary faculty group responding to community need identified by focus groups for professionals trained in HIT, community partners and leaders. It is designed for information professionals, clinical personnel and other healthcare personnel who want to increase their knowledge regarding information technology and management of the complex and organization issues which are present in healthcare at the graduate level. The objective of this certificate program is to expose students to modern health IT, including data acquisition and analysis, systems design, data security and decision processing. The UNF graduate Interprofessional certificate in health informatics focuses on electronic medical data generated and stored in healthcare organizations, ITS security and applications. For more information visit the [Health Informatics website](#).

Admissions Requirements

- Application to the University of North Florida (Deadline: August 1 for fall admission)
- Official transcript reflecting a baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution in a life science, health science, health administration, business administration, nursing or computing science
- GPA of a 3.0 or higher in all work attempted in last 60 credit hours of undergraduate study
- Current resume
- Brief statement, no more than 250 words, describing your purpose for pursuing a graduate certificate in health informatics and how this certificate will complement your professional

goals.

Mental Health Sexology

This 12-credit graduate certificate in [Mental Health Sexology](#) is housed within the Clinical Mental Health Counseling program and provides specialized research training to post-baccalaureate students. This graduate certificate is designed to provide students with the training necessary to knowledgeable and ethically conduct mental health sexological research within whatever field they work. This graduate certificate is research-focused, with students working closely with a member of the Clinical Mental Health Counseling faculty throughout the certificate program.

Admission Requirements

All application materials must be submitted to the UNF Graduate School.

- A baccalaureate degree from a regionally accredited U.S. institution, or its equivalent from a foreign institution, with a GPA of 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study.
- Official transcripts, and foreign evaluations if applicable, from all post-secondary institutions attended.
- Personal essay
 - 1-2 pages discussing:
 - Experience and/or interest in sexual health and wellness and mental health,
 - Experience and/or interest in research activity, and
 - Explanation of how the certificate will support future educational and career goals
- One letter of recommendation
 - Professional

Special Notes about the Program

- Non-degree seeking students enrolled in certificate programs are NOT eligible for financial aid.
- Current CMHC students wishing to complete the certificate within their degree program should discuss this with their faculty advisor before the Summer semester of their first year.
- Application Deadlines: Fall Term: August 1 with an approximate enrollment of 6 students

Psychiatric Mental Health Nurse Practitioner Certificate

The [Psychiatric Mental Health Nurse Practitioner \(PMHNP\) Certificate](#) track is designed to be a post-MSN non-degree seeking option for those who do not wish to complete the Doctor of Nursing Practice (DNP). This program is designed for those who already possess, at a minimum, a Master of Science in Nursing (MSN), are licensed as an Advanced Practice Registered Nurse (APRN), hold national certification as a Nurse Practitioner (NP), and wish to become certified as a PMHNP. The curriculum for the program is based on the American Association of Colleges of Nursing (AACN) Essentials for Doctoral Education for Advanced Practice (2006) and the National Organization for Nursing Practitioner Faculties (NONPF) Criteria for Evaluation of Nurse Practitioner Programs. The program objectives build upon those for the masters in nursing program.

This program requires 30 credits and 750 clinical hours and will admit its first students for Fall 2021 enrollment. The PMHNP Certificate program is designed to include education and preparation that will assist the student to acquire the advanced knowledge and clinical skills to provide best practices and comprehensive care to clients across the lifespan. The clinical component of this program will focus on the mental health care needs of individuals and families whether in outpatient, inpatient, or private practice settings.

The program currently offers online studies in this track with courses following the traditional full-length semesters. Note that financial aid is not available for the certificate track as it is not a degree program.

Admissions Requirements

The program will require specific admission requirements above and beyond the ones currently required by the University. Admission requirements for the Post-MSN PMHNP Certificate track include:

- Masters degree in Nursing from a regionally accredited institution and program accredited by the CCNE or ACEN (formerly NLNAC);
- Active national certification as a nurse practitioner (copy of actual certification showing expiration date is required);
- Minimum graduate GPA of 3.30; Current licensure as an Advanced Practice Registered Nurse (APRN) in the candidate's state of practice (copy of actual licensure showing

- expiration date is required); and,
- Current resume or curriculum vitae of all nursing roles/experiences.

For assistance with self-uploads of materials, please contact the UNF Graduate School at (904) 620-1360.

Note: Agencies in the community may require proof of negative TB test, current CPR, or other immunization or background information. In those instances, it is the student's responsibility to provide the necessary documentation to the agency.

Additionally, there are specific technology requirements for the program. Please review the link located on the right-hand menu of the School of Nursing homepage for the most up-to-date university technology requirements.

Public Health Certificate

The Graduate [Public Health Certificate](#) consists of six required courses. The PHC Program prepares participants with a broad understanding of the core areas of public health and skills necessary for public health practice in a wide range of public and private institutions. This certificate is ideal for those students who are working on a master's degree in another field, but have an interest in or plan to work in a public health setting, or for professionals who are working in the field but do not have a degree in public health. The PHC is offered through the Master of Public Health (MPH) program. MPH faculty teach the required PHC courses, and students take courses along with MPH students. The UNF MPH Program is nationally accredited by the [Council on Education for Public Health \(CEPH\)](#).

The PHC Program admits one cohort of students each fall semester. The full-time program can be completed in 1 year and the part time in 2 years. The program is hybrid and requires approximately 50% face-to-face instruction and 50% online instruction. Students spend approximately 1-2 evenings per week in class. This format makes the UNF PHC Program very accessible to those working full time while still providing meaningful interaction with faculty and peers.

Individuals with a bachelor's degree in any field may be accepted into the PHC Program; there are no pre-requisites. Acceptance into

the PHC Program is dependent on student eligibility and space in the program. Students who have graduated from the MPH Program or are enrolled in the MPH Program are not eligible to earn the Certificate. All courses for the Certificate must be completed at the University of North Florida.

Admissions Process

PHC Program admissions are handled by the UNF Graduate School (<http://www.unf.edu/apply/>). The UNF PHC Program only considers applications for new students for the fall term of each year. The following information must be submitted to the UNF Graduate School by the published deadline.

Admissions Requirements

- Official transcripts from all attended institutions documenting a baccalaureate degree from a regionally accredited US institution or its equivalent from a foreign institution with a GPA of 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study.

Major: Health Science
Concentration: Exercise Science
Degree: Bachelor of Science in Health

Prerequisites (27 credits)

All prerequisites must be completed with a grade of "C" or higher.
For additional admission requirements, visit
www.unf.edu/brooks/movement_science/admission_bsh_es.aspx

MAC1105 (GM) College Algebra (3 Credits)

MACX105, MACX140, MACX147 and MACX311 are acceptable substitutes for MAC1105.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085/X085L, PETX322/X322L, APKX100C, and BSCX093/ X093L are acceptable substitutes for BSC2085c.

Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086/X086L, PETX323/X323L, APKX105/X105L, and BSCX094/X094L are acceptable substitutes for BSC2086c.

Prerequisite: BSC2085c

CHEMISTRY General Chemistry I with Lab

CHMX045/X045L and CHMX030 are acceptable substitutes for General Chemistry I with lab requirement.

Prerequisite: MAC1105

STA2023 (GM) Elem Statistics-Business (3 Credits)

STAX023, STAX030 and MACX147 are acceptable substitutes for STA2023. Prerequisite: MAC1105

PSY2012 Introduction to Psychology (3 Credits)

HUN2201 Basic Prin Human Nutrition (3 Credits)

HUNX201, HUNX577 and HSCX100 are acceptable substitutes for HUN2201.

SPC2608 Fundamentals of Speech (3 Credits)

SPCX600 and AEEX030c are acceptable substitutes for SPC2608.

Major Requirements (53 credits)

All Major, Elective, and Foreign Language requirements must be completed prior to internship. Any exceptions must have Program Director's approval. A minimum 2.0 UNF GPA is required prior to internship. Refer to course descriptions for prerequisite requirements.

- The Exercise Science program sequencing schedule is available online at http://www.unf.edu/brooks/movement_science/exercise_science.aspx
- Honors in the major is available for those interested in pursuing research at graduate level after BSH graduation. See program director for more information.

HSC4612 Exercise Physio For Health Sci (3 Credits)

Recommended prerequisites: BSC2085c & BSC2086c

HSC4615L Lab Meth Ex Phys Hlth Sci (1 Credit)

Co-requisite: HSC4612

PET3768C Exercise Instruction (3 Credits)

ATR4610 Research Sports Med (3 Credits)

HSC4549 Adv Exercise Physiology (3 Credits)

APK4125 Exercise Prescription (3 Credits)

PET4550 Physical Fitness Assessment (1 Credit)

Prerequisite: HSC4612

PET3325 Functional Anatomy/Kinesiology (3 Credits)

Prerequisites: BSC2085c & BSC2086c

PET4627 Human Injury Prevention (3 Credits)

HSC3553 Pathophysiology (3 Credits)

PET3771C Business/Pract in Ex Phys (3 Credits)

PET3080 Physical Activity Epidemiology (3 Credits)

APK4165 Bioenergetics (3 Credits)

APK4120C Clinical Exercise Physiology (3 Credits)

Prerequisites: HSC4612, HSC4615L, & PET3080

APK4941 Exercise Physiology Practice (3 Credits)

PEP4135 Princ Strength/Conditioning (3 Credits)

Prerequisites: HSC4612 & PET3312c

PET4943 Pre Internship Ex Sci (3 Credits)

- Must be completed in the semester immediately preceding PET4942 - Internship.
- APK4912 Directed Independent Study - Honors in ES Research may substitute for Pre-Internship.

PET4942 Internship in Exercise Science (6 Credits)

- Must be completed in the last academic semester of enrollment.
- APK4971 Directed Independent Study - Honors in ES Thesis may substitute for Internship.

Free Electives (7 credits)

Major Electives must be completed with a grade of "C" or higher.

- If you are considering a Doctor of Physical Therapy (DPT), consider taking prerequisites required for the DPT program (https://www.unf.edu/brooks/physical_therapy/DPT.aspx).
- Hours previously used to meet any program requirements can not be applied to this Elective area. Students must have a minimum of 120 total hours to graduate.

ELECTIVES Select 7 hrs (1000-4000) Level

Major: Athletic Training

Degree: Master of Science

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Earn no more than 2 grades of less than B throughout the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Be in good standing; not subject to any sanction by the University community or the Brooks College of Health.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook or program director for the specifics.

Prerequisites

Applicants must demonstrate completion with a minimum grade of "C" at the undergraduate or graduate levels in each of the subject areas listed below. Any substitutions to the courses below are made at the time of evaluation for admission into the MSAT Program.

- Anatomy and Physiology (2 semesters with labs)
BSC2085c Human Anatomy and Physiology I with lab
BSC2086c Human Anatomy and Physiology II with lab
- Physics with lab
PHY1028/1028L Introduction to Physics with lab
- Chemistry with lab
CHM2045/2045L General Chemistry I with lab
- Biology with lab
BSC1010c General Biology I with lab

- Statistics
STA2014 or 2023 Elementary Statistics
- Nutrition
HUN2201 Basic Principles of Human Nutrition
- Psychology
PSY2012 Intro to Psychology
- Biomechanics or Kinesiology
PET3312c Biomechanics or PET3310 Kinesiology
- Exercise Physiology
HSC4612 Exercise Physiology for Health Science

Major Requirements (54 credits)

Must be completed with a grade of "C" or higher

ATR5126C Gross Anatomy AT (4 Credits)

ATR5105C Foundations Athletic Training (3 Credits)

ATR5217C Ortho Assess and Diagn I (3 Credits)

ATR5306C Therapeutic Interventions I (3 Credits)

ATR5119C Emergency Manage Ath Trauma (3 Credits)

ATR5815C Clinical Integration I (3 Credits)

ATR5218C Ortho Assess and Diagn II (3 Credits)

ATR5307C Therapeutic Interventions II (3 Credits)

ATR5406C Clinical Medicine (3 Credits)

ATR5825C Clinical Integration II (3 Credits)

ATR6308C Therapeutic Interventions III (3 Credits)

ATR6516 Athletic Training Admin (3 Credits)

ATR6617 Research Methods (3 Credits)

ATR6945L Clinical-Decision Making I (1 Credit)

ATR6835C Clinical Integration III (3 Credits)

ATR6505C Seminar in Athletic Training (3 Credits)

ATR6618 Applied Research (3 Credits)

ATR6946L Clinical-Decision Making II (1 Credit)

ATR6845C Clinical Integration IV (3 Credits)

Electives

Not required for graduation

ATR6907 Ind Study in Athletic Training (1-3 Credits)

ATR6949C Clin Integration Experience (3 Credits)

Major: Health Science
Concentration: Kinesiology/Lifestyle Medicine
Degree: Master of Science in Health

Prerequisites

The requirements listed below are prerequisites for the Master of Science in Health (MSH)- Health Science major in Kinesiology and Lifestyle Medicine (KALM). The course numbers listed below are the ones offered at the University of North Florida. Any substitutions to these requirements are made at the time of evaluation for admission into the MSH Program.

- BSC2085c - Human Anatomy & Physiology I with lab
- BSC2086c - Human Anatomy & Physiology II with lab
- CHM2045/2045L - General Chemistry I with lab
- STA2014 - Elementary Statistics

Core Requirements (33 credits)

APK6336 PA Epidemiology & Evid Review (3 Credits)

APK6116C Exercise Phys & Lab Techniques (3 Credits)

PHC6050 Public Health Biostats I (3 Credits)

APK6111C Medical Exercise Physiology (3 Credits)

APK6107C Cardiovas Ex Phys and ECG (3 Credits)

APK6127C Human Physiological Assessment (3 Credits)

APK6057 Research in KALM (3 Credits)

APK6176 Adv Concepts Strength Training (3 Credits)

APK6235C PA Measurement (3 Credits)

APK6415 Behavioral Medicine (3 Credits)

APK5332 Pharmacology for Chronic Disea (3 Credits)

Internships (6 credits)

Students who choose the thesis option will complete a six- credit research thesis. Non-thesis students may complete either a three

or six credit internship or project. A six- credit internship project would fulfill the 39 credit degree requirement; the three-credit option would require students to take a three-credit elective to fulfill the 39-credit requirement.

THESIS Thesis option

- Six credits in APK6972 - Thesis in Kinesiology and Lifestyle Medicine are required.

INTERN/PRO Internship/Project option

- Three or six credits in APK6942 Internship or Project in Kinesiology and Lifestyle Medicine are required. If choosing a three-credit option, take a three-credit elective from the options below:
 - APK6056 Special Topics in Kinesiology and Lifestyle Medicine
 - PHC6003 Chronic Disease Epidemiology (check schedule)*
 - HSC6509 Nutritional Epidemiology (check schedule)*
 - EDA6930 Grant Development and Project Design (check schedule)*
 - HUN7788 Nutritional Genomics (check schedule)*
 - APK6900 Independent Study in Kinesiology and Lifestyle Medicine
 - PHI5605 Ethics
 - APK6135 Periodization
 - APK6327 Seminar in Kinesiology and Lifestyle Medicine
- *Distance learning (DL) course

Major: Health Administration

Degree: Bachelor of Health Admin.

Prerequisites (15 credits)

Must be completed with a grade of "C" or higher

ACG2021 Prin of Financial Accounting (3 Credits)

ACGX021, ACGX024 or ACGX001 and ACGX011 are acceptable substitutes for ACG2021. Prerequisite: MAC1105

ACG2071 Prin Managerial Accounting (3 Credits)

ACGX071 and ACGX301 are acceptable substitutes for ACG2071. Prerequisites: MAC1105, ACG2021

ECO2023 Principles of Microeconomics (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

STAX023 is an acceptable substitute for STA2023. Prerequisite: MAC1105

SELECT ONE COMPUTER APPLICATIONS COURSE

CGSX061, CGSX100 and ISMX000 are acceptable substitutes for the CGS requirement. Recommend CGS 1100 or CGS 1570

Requisites (3 credits)

Must be completed with a grade of "C" or higher.

HSA2530 The Language of Healthcare (3 Credits)

Major Requirements (42 credits)

Must be completed with a grade of "C" or higher

HSA3101 Intro to Health Administration (3 Credits)

HSA4111 U.S. Health Care System (3 Credits)

HSA3522 Managerial Epidemiology (3 Credits)

HSA4553 Health Law and Ethics (3 Credits)

HSA4170 Health Care Finance (3 Credits)

Prerequisite: ACG2021, ACG2071, ECO2023, HSA3111
& HSA4111 effective summer 2019

HSA3430 Health Economics/Quant Analysis (3 Credits)

Prerequisites: STA2023, ECO2023

HSA3222 Long Term Care Administration

HSA4150 Introduction to Health Policy (3 Credits)

Prerequisites: HSA3111, HSA4111 effective summer
2019

HSA3191 Health Information Systems I (3 Credits)

HSA3340 Healthcare Human Resources (3 Credits)

HSA3383 Quality Management Healthcare (3 Credits)

HSA3160 Health Care Marketing (3 Credits)

HSA4004 Professional Skills Dev (3 Credits)

Prerequisite: HSA4170

Co-requisite: HSA4922

HSA4922 Capstone: Health Admin (3 Credits)

Prerequisites: ACG2021, ACG2071, ECO2023 ,
STA2023, CGS1100, HSA4170

Co-requisite: HSA4004

Must be completed the semester prior to Internship

Internships (6 credits)

Must be completed with a grade of "C" or higher.

- HSA4850 must be completed in the last academic semester of enrollment.
- All program pre-requisites and major requirements must be completed prior to start of the Internship.
- Up to two major elective courses may be taken with the internship.

HSA4850 Health Admin Internship (6 Credits)

Prerequisites:ACG2021, ACG2071, ECO2023,
STA2023, CGS1100, HSA4170, and HSA4004. 360
hours required

Major Electives (12 credits)

Must be completed with a grade of "C" or higher.

SELECT 4 COURSES FROM THE FOLLOWING:

Elective options

- HSA3514 Essentials of Practice Management
- GEY, HSA, HSC, or MAN courses at the 3000/4000 level
- Other upper level (3000/4000) courses with approval of the program director. See a Brooks College of Health advisor for a list.

Registration restrictions on HSC courses are typically lifted in the Friday afternoon during the first week of registration.

Major: Health Administration

Degree: Master of Health Admin.

Prerequisites

Students entering this program without an undergraduate degree in health administration or business administration must complete prerequisite course work in Financial Accounting (ACG2021) and (GM) Elementary Statistics for Health and Social Sciences (STA2014) or (GM) Elementary Statistics for Business (STA2023).

Major Requirements (42 credits)

HSA5177 Health Care Finance (3 Credits)

HSA6114 Health Organization/Delivery (3 Credits)

HSA6186 HC Leadership/Org Theory (3 Credits)

HSA6435 Health Economics (3 Credits)

HSA6198 Health Information Technology (3 Credits)

HSA6196 Quantitative Analysis Health (3 Credits)

HSA6905 Policy and Law in Healthcare (3 Credits)

HSA6385 Quality Management Health Care (3 Credits)

HSA6149 HC Planning/Project Man (3 Credits)

HSA6342 Healthcare Human Resources (3 Credits)

HSA6178 Adv Health Care Financial Mgmt (3 Credits)

HSA6520 Managerial Epidemiology (3 Credits)

HSA6188 Capstone:Healthcare Strat Mgmt (3 Credits)

SELECT ONE OPTION:

For a total of 3 hours:

- HSA 6815 Pract: Exec Skill Development (3 credits)
- HSC 6970 Thesis (3 credits)

Electives (3 credits)

SELECT ONE COURSE (3 credits)

Electives must be selected from 5000 or 6000 level GEY, HSA, HSC, MAN and PAD courses or other graduate level courses with Program Director approval. All non-HSA courses will require approval from their respective programs.

Major: Exec Health Administration

Degree: Master of Health Admin.

Informational Text

- The 30-credit hour EMHA program is completed in less than 2 years (approximately 20 months).
- Three in-residence seminar sections at the University of North Florida will be required in the beginning of the first semester, in summer semester and at the end of the last semester. Each seminar section will be up to 4 days in length. More information will be provided upon admission.
- TIME LIMITATION: The EMHA program discourages students from getting "off-track", since students are expected to complete the program as a cohort, following a specific progression through the curriculum in approximately 20 months.

Major Requirements (30 credits)

HSA6512 Leadership: Org Beh/Health (3 Credits)

HSA6179 Fin Man: Health Org (3 Credits)

HSA6707 Research Meth: Health Man (3 Credits)

HSA6396 Health Info Sys (3 Credits)

HSA6187 HR in Health Org (3 Credits)

HSA6386 Pop Health/Health Execs (3 Credits)

HSA6158 Health Policy and Law (3 Credits)

HSA6387 Quality/Patient Safety (3 Credits)

HSA6436 Health Econ/Reimb (3 Credits)

HSA6148 Strat Man/Marketing HC (3 Credits)

Major: Health Science
Concentration: Interdisciplinary Hlth Studies
Degree: Bachelor of Science in Health

Informational Text

Upon admission to the program, students must develop an individual program of study in consultation with the Program Director.

There is no program prerequisite requirement.

Requisites (3 credits)

Grade of C or higher required in courses used toward the major.

SELECT 1 course from the following

- HSC2000 Health Care Career (3 credits)
- HSC2100 Personal and Public Health (3 credits)
- HUN2201 Basic Principles of Human Nutrition (3 credits)

Major Requirements (15 credits)

Grade of C or higher required in courses used toward the major

SELECT 5 courses from the following

- DIE4940 Nutrition and Dietetic Field Experience (fall only)
- FSS3800 Seminar Food Systems and Sustainability (spring only)
- HSA3101 Intro to Health Administration
- HSA3191 Health Information Systems
- HSA4111 US Health Care System
- HSA4553 Health Law & Ethics
- HSC3537 Medical Terminology
- HSC3578 Food, Health, and Society
- HSC4612 Exercise Physiology for Health Science (fall only)
- HUN3014 Nutrition and Fitness (prerequisite: HUN2201, typically summer only)
- HUN3403 Lifespan Nutrition (prerequisite: HUN2201, fall only)
- PET3312C Biomechanics (prerequisites: BSC2085c/2086c, fall only)
- LDR3003 Introduction to Leadership
- PHI3633 Bioethics (typically offered in spring)

- For the following research courses, consult with the Program Director for approval:
 - ATR4610 Research in Sports Medicine (fall only)
 - HSC4730 Public Health Research (prerequisite: STA2014 or STA2023) - HUN3800 Nutrition Science and Ethics (prerequisites: HUN2201 and STA2014 or STA2023, fall only)

Major Electives (24 credits)

Students are free to select eight major electives from any 3000 or 4000 level courses. There is no minor required but a Brooks College of Health minor is encouraged including Food Systems & Sustainability, Global Health, or Public Health. A non-Brooks College of Health minor is also an option with the program director's approval. Grades of C or higher required in courses used toward the major

SELECT 8 major electives

Capstone Experience (3 credits)

Grade of C or higher required in courses used toward the major

HSC4934 Interdisciplinary Hlth Capston (3 Credits)

Free Electives (15 credits)

This degree requires a minimum of 120 total hours with 48 upper level (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate). Grade of C or higher required in courses used toward the major.

ELECTIVES select 15 hrs(1000-4000) level

Major: Nutrition & Dietetics
Concentration: Didactic Program in Dietetics
Degree: Bachelor of Science

Prerequisites (38 credits)

Must be completed with a grade of "C" or higher

MAC1105 (GM) College Algebra (3 Credits)

MACX105 and MACX142 are acceptable substitutes for MAC1105.

STA2014 (GM) Elem Statistics-Health/SS (3 Credits)

POS2041 Intro to American Government (3 Credits)

FSS1202 Food Fundamentals (3 Credits)

Offered in summer and fall only

FSS1202L Food Fundamentals Laboratory (1 Credit)

Offered in summer and fall only

HUN2201 Basic Prin Human Nutrition (3 Credits)

BSC1010C General Biology I (4 Credits)

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085/X085L, BSCX085C are acceptable substitutes for BSC2085c. Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086/X086L, BSCX086C are acceptable substitutes for BSC2086c.

Additionally, PETX322/X322L, HSCX549, or PCBX702 satisfy both Human Anatomy and Physiology I and II with labs.

Prerequisite: BSC2085c

CHEMISTRY General Chemistry I with lab

CHMX045/X045L, CHMX032 are acceptable substitutes for CHM2045/2045L. Prerequisite: MAC1105

MICROBIO Microbiology with lab

MCBX004/X004L, MCBX020C, MCBX013c,
MCBX020/X020L are acceptable substitutes for
MCB2010c.

Prerequisites: BSC1010c, CHM2045, and CHM2045L

Requisites (4 credits)

Must be completed with a grade of "C" or higher

BCH3023/L Survey Org Bio Chem with lab

Take prior to HUN3230

Prerequisite: CHM1025/1025L or CHM2045/2045L

Concentration Requirements (52 credits)

Must be completed with a grade of "C" or higher

Students enrolled in Didactic program in Dietetics (DPD) must follow BS/DPD Nutrition Program Sequencing Schedule in the Undergraduate Nutrition Student Handbook available at https://www.unf.edu/brooks/nutrition/undergrad_program.aspx to avoid delaying graduation.

HUN3230 Advanced Nutrition Science I (3 Credits)

Take in Junior year/Fall semester

Prerequisites: HUN2201, BSC2085c, BSC2086c,
CHM2045/2045L, BCH3023/3023L.

Co-requisites: FSS1202/1202L (can be taken earlier)

HUN3800 Nutrition Sci Res and Ethic (3 Credits)

Take in Junior year/Fall semester

Prerequisites: HUN2201, STA2014

HUN3403 Life Span Nutrition (3 Credits)

Take in Junior year/Fall semester

Prerequisites: HUN2201, CHM2045/2045L,
FSS1202/1202L, BSC2085c, and BSC2086c

HUN3231 Advanced Nutrition Science II (3 Credits)

Take in Junior year/Spring semester

Prerequisite: HUN3230

DIE3310 Community Nutrition (3 Credits)

Take in Junior year/Spring semester

Prerequisite: HUN2201

HSC3578 Food, Health and Society (3 Credits)

Take in Junior year/Spring semester

FOS4041 Food Science and Composition (3 Credits)

Take in Junior year/Spring semester

Prerequisites: FSS1202/1202L, CHM2045/2045L

Corequisite: FOS4041L

FOS4041L Food Science Lab (1 Credit)

Take in Junior year/Spring semester

Prerequisites: FSS1202/1202L, CHM2045/2045L

Corequisite: FOS4041

HUN3014 Nutrition and Fitness (3 Credits)

Take in Junior year/Summer semester

Prerequisite: HUN2201

HUN4601C Nutrition Education (3 Credits)

Take in Junior year/Summer semester OR Senior year/Fall semester

Prerequisites: HUN2201, HUN3230/3231

DIE3213 Nutrition Therapy I (3 Credits)

Take in Senior year/Fall semester

Prerequisites: HUN2201, BSC2085c, BSC2086c, CHM2045/2045L, FSS1202/1202L, BCH3023/3023L, HUN3403, HUN3230 & HUN3231

DIE4122 Management Of Food/Nutrition I (3 Credits)

Take in Senior year/Fall semester

Prerequisites: HUN2201, FSS1202/1202L, MCB2010c

HUN4016C Nutrition Counsel and Comm (3 Credits)

Take in Senior year/Fall semester

Prerequisites: HUN2201, HUN3230/3231

DIE4515 Dietetics Capstone (3 Credits)

Take in Senior year/Fall semester

Must be taken in the second year of the nutrition curriculum

DIE3246 Nutrition Therapy II (3 Credits)

Take in Senior year/Spring semester

Prerequisite: DIE3213

DIE4125 Management Food/Nutrition II (3 Credits)

Take in Senior year/Spring semester

Prerequisite: DIE4122

FSS4230 Quantity Food Preparation (3 Credits)

Take in Senior year/Spring semester

Prerequisites: FSS1202/1202L, CHM2045/2045L & MCB2010c

Major: Nutrition & Dietetics
Concentration: Community Nutrition and Food
Degree: Bachelor of Science

Prerequisites (38 credits)

Must be completed with a grade of "C" or higher

MAC1105 (GM) College Algebra (3 Credits)

MACX105 and MACX142 are acceptable substitutes for MAC1105.

STA2014 (GM) Elem Statistics-Health/SS (3 Credits)

POS2041 Intro to American Government (3 Credits)

FSS1202 Food Fundamentals (3 Credits)

Offered in summer and fall only

FSS1202L Food Fundamentals Laboratory (1 Credit)

Offered in summer and fall only

HUN2201 Basic Prin Human Nutrition (3 Credits)

BSC1010C General Biology I (4 Credits)

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085/X085L, BSCX085C are acceptable substitutes for BSC2085c. Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086/X086L, BSCX086C are acceptable substitutes for BSC2086c.

Additionally, PETX322/X322L, HSCX549, or PCBX702 satisfy both Human Anatomy and Physiology I and II with labs.

Prerequisite: BSC2085c

CHEMISTRY General Chemistry I with lab

CHMX045/X045L, CHMX032 are acceptable substitutes for CHM2045/2045L. Prerequisite: MAC1105

MICROBIO Microbiology with lab

MCBX004/X004L, MCBX020C, MCBX013c,
MCBX020/X020L are acceptable substitutes for
MCB2010c.

Prerequisites: BSC1010c, CHM2045, and CHM2045L

Concentration Requirements (48 credits)

Must be completed with a grade of "C" or higher.

SPC2608 Fundamentals of Speech (3 Credits)

Offered every term

HUN3800 Nutrition Sci Res and Ethic (3 Credits)

Offered in fall only

Prerequisites: HUN2201, STA2014

HUN3403 Life Span Nutrition (3 Credits)

Offered in fall only

Prerequisites: HUN2201, CHM2045/2045L,
FSS1202/1202L

HSC3578 Food, Health and Society (3 Credits)

Offered in fall and spring

DIE3310 Community Nutrition (3 Credits)

Offered in spring only

Prerequisite: HUN2201

FSS3800 Seminar Food Sys & Sustain (3 Credits)

Offered in spring only

FOS4041 Food Science and Composition (3 Credits)

Offered in spring only

Prerequisites: FSS1202/1202L, CHM2045/2045L

Corequisite: FOS4041L

FOS4041L Food Science Lab (1 Credit)

Offered in spring only

Prerequisites: FSS1202/1202L, CHM2045/2045L

Corequisite: FOS4041

HUN3014 Nutrition and Fitness (3 Credits)

Offered in summer only

Prerequisite: HUN2201

HUN4601C Nutrition Education (3 Credits)

Offered in summer and fall

Prerequisites: HUN2201, HUN3230/3231 (waived)

DIE4122 Management Of Food/Nutrition I (3 Credits)

Offered in fall only

Prerequisites: HUN2201, FSS1202/1202L, MCB2010c

HUN4614 Nutrition Communication (3 Credits)

Offered in fall only

Prerequisites: HUN2201, HUN3403

DIE4125 Management Food/Nutrition II (3 Credits)

Offered in spring only

Prerequisite: DIE4122

HUN3534 Food as Medicine (3 Credits)

Offered in spring only

Prerequisites: HUN2201, FSS1202/1202L

FSS4945 Community Nutr Capstone (3 Credits)

Offered in spring only

FSS4230 Quantity Food Preparation (3 Credits)

Offered in spring only

Prerequisites: FSS1202/1202L, CHM2045/2045L &
MCB2010c

Electives (9 credits)

Electives must be completed with a grade of "C" or higher

Hours previously used to meet any program requirements can not be applied to this Elective area. For graduation, students must

earn a minimum of 120 total credits, including 48 upper level credits from 3000/4000 level courses.

ELECTIVES Select 9 credits of electives

Major: Nutrition & Dietetics
Concentration: Dietetic Internship
Degree: Master of Science

Major Requirements (23 credits)

HUN6612 Nutrition Education/Counseling (3 Credits)

HUN5265 Methods of Nutrition Assess (1 Credit)

DIE6248 Clinical Nutrition (3 Credits)

HUN6249 Nutrition and Metabolism (4 Credits)

HUN6911 Nutrition / Dietetics Seminar (1-3 Credits)

HUN6910 Nutrition and Dietetic Resrch (3 Credits)

PHC6050 Public Health Biostats I (3 Credits)

HUN6916 Adv Conc Nutr (3 Credits)

Concentration Requirements (12 credits)

DIE6940 Clinical Practice Nutr/Diet (3 Credits)

DIE6941 Clinical Practice Nutrition/Di

DIE6942 Clinical Practice Nutrition/Di

DIE6943 Clinical Practice Nutrition/Di

Major: Nutrition & Dietetics
Concentration: Dietetic Professional Studies
Degree: Master of Science

Major Requirements (23 credits)

HUN6612 Nutrition Education/Counseling (3 Credits)

HUN5265 Methods of Nutrition Assess (1 Credit)

DIE6248 Clinical Nutrition (3 Credits)

HUN6249 Nutrition and Metabolism (4 Credits)

HUN6911 Nutrition / Dietetics Seminar (1-3 Credits)

HUN6910 Nutrition and Dietetic Resrch (3 Credits)

PHC6050 Public Health Biostats I (3 Credits)

HUN6916 Adv Conc Nutr (3 Credits)

Concentration Requirements (12 credits)

- Students enrolled in the 'thesis' option are required to take 6 credits of DIE6970: Thesis and 6 credits of other electives listed below for a total of 12 credits.
- Students enrolled in the 'projects' option are required to take 6 credits of DIE6912: Projects and 6 credits of other electives listed below for a total of 12 credits.

ELECTIVES - take a total of 12 credits

- DIE6970 Thesis (6 credits)
- DIE6912 Projects in Nutrition/Dietetics (6 credits)
- HSC6509 Nutritional Epidemiology (3 credits)
- HSC6625 Global Health (3 credits)
- DIE6390 Nutrition and Health in Refugee Populations (3 credits)
- DIE6931 Special Topics in Dietetics (3 credits)
- DIE6906 Dietetics Independent Study and Research (3 credits)
- HUN6123 Socio-cultural Influences on Nutrition (3 credits)

Major: Clinical Nutrition
Concentration: Advanced Practice
Degree: Doctor of Clinical Nutrition

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Attain a grade of "B" or better in all work counting toward the doctoral degree.
- Satisfactorily complete the Advanced Practice Residency.
- Satisfactorily complete and defend the final Doctoral Project.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook and Brooks College of Health policy - Student Breach of Professional Behaviors ([Click here](#))
- Be in good standing; not subject to any sanction by the University community or Department of Nutrition and Dietetics.

Core Requirements (15 credits)

HUN7803 Adv Topics in Nutrition Scienc (3 Credits)

HUN7518 Public Health Nutrition (3 Credits)

HUN7219 Adv Concepts in Clinical Nutri (3 Credits)

HUN7525 Adv Leadership & Public Policy (3 Credits)

SELECT One from the followings:

- HUN7625 Advanced Nutrition Counseling
- HUN7638 Teaching Nutrition in Higher Education

Research Core Requirements (9 credits)

HUN7831 Grant Development (3 Credits)

NGR7843 Stat Interp for Adv Prac (3 Credits)

SELECT Research Choice:

- HSC6509 Nutritional Epidemiology or
- HUN7808 Qualitative Methods in Nutrition Research

Practice Residency (6 credits)

HUN7943 Adv Practice Residency (3-6 Credits)

Dissertation (15 credits)

HUN7981 Pre-Doctoral Dissertation (3 Credits)

HUN7985 Doctoral Dissertation (2-9 Credits)

HUN7939 Doctoral Seminar in Nutrition (3 Credits)

Major Electives (9 credits)

SELECT 3 courses

Suggested Electives (Some of these may not be available online)

- DIE6906 Independent Study (3 credits)
- HUN7548 Nutrition for Global Health (3 credits)
- HUN7820 Adv Concepts in Nutrition and Wellness (3 credits)
- HUN7990 Special Topics in Advanced Nutrition (3 credits)
- HUN7788 Nutritional Genomics (3 credits)
- Courses from Certificate in Global Health
- Courses from Certificate in Health Informatics

Major: Physical Therapy

Degree: Doctor of Physical Therapy

Prerequisites

The requirements listed below are prerequisites for the Doctor of Physical Therapy (DPT). The course numbers listed under each requirement are course numbers from the University of North Florida. Any substitutions to these requirements are made at the time of evaluation for admission into the DPT.

- Science Prerequisite Courses (32 credits):
- CHM 2045/2045L General Chemistry I with Lab (4 credits)
- CHM 2046/2046L General Chemistry II with Lab (4 credits)
8 semester hours of General Chemistry
- PHY 2053/2053L Algebra-based Physics I with Lab (4 credits)
- PHY 2054/2054L Algebra-based Physics II with Lab (4 credits)
8 semester hours of Algebra-Based Physics
- BSC 2085C Anatomy and Physiology I with Lab (4 credits)
- BSC 2086C Anatomy and Physiology II with Lab (4 credits)
8 semester hours of Anatomy and Physiology
- BSC 1010C General Biology I with Lab (4 credits)
- BSC 1011C General Biology II with Lab (4 credits)
8 semester hours of General Biology
- Non-Science Prerequisite Courses (9-12 credits):
- PSY 2012 Introduction to Psychology (3 credits)
3 semester hours of Introduction to Psychology
- DEP 3054 Lifespan Development Psychology or CLP4143
Abnormal Psychology (3 credits)
3 semester hours of Additional Psychology
- STA 2014 Elementary Statistics (3 credits)
3 semester hours of Elementary Statistics
- HSC 3537 Medical Terminology (3 credits)
3 semester hours of Medical Terminology (optional, but encouraged)

1st Semester (15 credits)

PHT6110C Gross Anatomy for PT (6 Credits)

PHT5005 Fndn Prof Prac and Clin Ed (3 Credits)

PHT5257C Clinical Skills (3 Credits)

PHT6153C Human Physiology (3 Credits)

2nd Semester (16 credits)

PHT6267C Examination and Intervention (5 Credits)

PHT6161C Clin Neuroanat/Phy (4 Credits)

PHT5806 Clinical Practicum (1 Credit)

PHT6606C Fdn of EBP (3 Credits)

PHT6126C Kinesiology (3 Credits)

PHT6910 Independent Study - Research (1 Credit)

Elective - the course can be completed up to 3 times
any time after the 1st semester of the DPT program.

3rd Semester (11 credits)

PHT6218C Therapeutic Modalities (3 Credits)

PHT7551 Leadership in Physical Therapy (3 Credits)

PHT6070 Imaging in Rehabilitation (2 Credits)

PHT6191C Motor Control (3 Credits)

4th Semester (13 credits)

PHT6318C Ortho I: Extremities (4 Credits)

PHT6314C Neurology I: Path, Exam and Int (4 Credits)

PHT6306 Pathology-Pharmacology (5 Credits)

5th Semester (14 credits)

PHT7385C Exercise Physio Cardio PT (4 Credits)

PHT7183C Ortho II: Spine and Occ Health (4 Credits)

PHT7315C Neurology II: Adv Exam and Inte (4 Credits)

PHT6607C Clinical Inquiry II (2 Credits)

6th Semester (10 credits)

PHT6941C DPT 2A Clinical (5 Credits)

PHT6942C DPT 2B Clinical (5 Credits)

7th Semester (15 credits)

PHT7009C Differential Diagnosis (4 Credits)

PHT7741C Spinal Cord Inj and Prosthetic (3 Credits)

PHT7328C Lifespan: Pediatrics (3 Credits)

PHT7374C Lifespan Geriatrics (3 Credits)

PHT7936 Advanced Seminar (2 Credits)

PHT7930 Special Topics in PT (1-5 Credits)

8th Semester (10 credits)

PHT7943C DPT 3A Clinical (5 Credits)

PHT7944C DPT 3B Clinical (5 Credits)

Minor: Public Health

Minor: Public Health (15 credits)

HSC3500 Epidemiology (3 Credits)

Prerequisite: STA2014 or STA2023 - Elementary
Statistics

HSA4111 U.S. Health Care System (3 Credits)

HSC4210 Environmental Health (3 Credits)

SELECT ONE HEALTH EDUCATION COURSE

- HSC4102 Physical Activity and Public Health
- HSC4133 Sexuality Education
- HSC4134 Mental and Emotional Health Ed
- HSC4150 Substance Abuse and Violence Prevention
- HSC4234 Health Education about Healthy Eating Guidelines

SELECT ONE ELECTIVE

3000/4000 level with HSC or HSA prefix offered by the
Department of Public Health.

Minor: Global Health

Minor: Global Health (12 credits)

All minor courses must be taken at UNF.

REQUIRED 1 Course 3 credit hours total

HSC4624 Global Health

ELECTIVES 3 courses 9 credit hours total

Select three of the followings:

- DIE4931 Special topics in Nutrition - Study abroad or global focus (3 credits)
- HSC3578 Food, Health and Society (3 credits)
- HSC4674 Global Health: Water, Sanitation and Hygiene (3 credits)
- HSC4670 Global Sexuality and Reproductive Health (3 credits)
- HSC4931 Special Topics in Public Health - Study abroad or global focus
- NUR4935 Special Topics in Nursing - Study abroad or global focus (3 credits)
- Any other approved Brooks College of Health study abroad course
- Other courses with approval of Program Director

Minor: Environmental Studies

Minor: Environmental Studies (12 credits)

Interdisciplinary 12-credit hour minor focused on environmental studies and sustainability. A grade of C or better is required in all minor courses. Substitutions will be considered with approval from the Program Director.

CATEGORY 1 Choose two courses (6 credits)

Physical and Natural Sciences

- BCN4302 Building Information Modeling (3 credits)
- BCN4587c Green Construction/Sustainability (3 credits)
- BCN4751c Housing and Land Development (3 credits)
- BOT2010c Botany (4 credits)
- BOT3712c Plant Systematics and Evolution (4 credits)
- BSC3057 Intro to Environmental Studies (3 credits)
- BSC4921 Biology Lecture Series (1 credit)
- BSC1005 Principles of Biology (3 credits)
- BSC1930 Current Applications in Biology (2 credits)
- BSC1011c General Biology II (4 credits)
- BSC3052 Conservation Biology (3 credits)
- BSC3263 Marine Biology (3 credits)
- BSC4054 Environmental Toxicology (3 credits)
- CHS4610/4610L Environmental Chemistry (4 credits)
- CWR4024 Coastal and Estuarine Hydrodynamics (3 credits)
- CWR4006 Coastal Processes (3 credits)
- CWR4121 Groundwater Flow and Contaminant Transport (3 credits)
- CWR4550 Water Wave Mechanics (3 credits)
- CWR4600 Major River Systems of Florida (3 credits)
- EEL4283 Introduction to Renewable Energy (3 credits)
- EML4622 Clean and Renewable Energy Technology (3credits)
- ENV3001c Environmental Engineering (3 credits)
- ENV4012 Advanced Environmental Engineering (3 credits)
- ESC2000 Discovering Earth Science (3 credits)
- FAS4354 Coastal Fisheries Management (3 credits)
- GIS4048 Intermediate Geographical Information Systems (3 credits)
- GLY2010 Physical Geology (3 credits)
- GIS3043 Intro to Geographical Information System (3 credits)
- GEO3372 Conservation of Natural Resources (3 credits)

- OCE3008 Oceanography (3 credits)
- PCB3043c Ecology (4 credits)
- PCB4301c Limnology (4 credits)
- ZOO4823c General Entomology (4 credits)
- ZOO4208c Coastal Invertebrate Biology (4 credits)

CATEGORY 2 Choose two courses

Health, Social Sciences, and Human Services

- AMH3630 Environmental History of the United States (3 credits)
- ECP3302 Environmental Economics (3 credits)
- CPO4034 Politics of Developing Countries (3 credits)
- FSS3800 Seminar in Food Systems and Sustainability (3 credits)
- HIS3402 Urban Environmental History and Sustainability (3 credits)
- HSC4210 Environmental Health (3 credits)
- HSC4624 Global Health (3 credits)
- HSC4674 Global Health: Water, Sanitation and Hygiene (3 credits)
- HSC3578 Food, Health and Society (3 credits)
- INR3016 Global Issues in Contemporary Politics (3 credits)
- PHI3640 Environmental Ethics (3 credits)
- PSY4870 Conservation Psychology (3 credits)
- POS4167 Urban Policy and Planning (3 credits)
- SYD3410 Urban Sociology (3 credits)
- SYD4510 Environmental and Society (3 credits)

Major: Public Health
Concentration: Epidemiology
Degree: Master of Public Health

Core Requirements (24 credits)

- HSC6215 Environmental Health (3 Credits)
- HSC6585 Health Communication (3 Credits)
- HSC6587 Public Hlth Prog Planning (3 Credits)
- HSC6735 Public Health Research (3 Credits)
- PHC6000 Epidemiology I (3 Credits)
- PHC6050 Public Health Biostats I (3 Credits)
- PHC6102 Public Hlth Policy and Advoc (3 Credits)
- PHC6149 Public Hlth Leader and Manage (3 Credits)

Concentration Requirements (15 credits)

- PHC6002 Infectious Disease Epidemiolog (3 Credits)
- PHC6011 Epidemiology II (3 Credits)
- PHC6051 Public Health Biostatistics II (3 Credits)
- PHC6940 Public Health Capstone (3 Credits)

Prerequisite: Completion of or current enrollment in all required MPH courses and permission of the PHC6940 Public Health Capstone Instructor

- PHC6945 Public Health Internship (3 Credits)

Prerequisite: PHC6940 and Permission of the Capstone Instructor.

Major Electives (6 credits)

SELECT 2 courses

with an HSA, HSC, or PHC prefix. A list of additional approved electives is posted on the MPH website. Other

graduate level courses may be taken with approval of the MPH Program Director.

Major: Public Health
Concentration: Social and Behavioral Science
Degree: Master of Public Health

Core Requirements (24 credits)

- HSC6215 Environmental Health (3 Credits)
- HSC6585 Health Communication (3 Credits)
- HSC6587 Public Hlth Prog Planning (3 Credits)
- HSC6735 Public Health Research (3 Credits)
- PHC6000 Epidemiology I (3 Credits)
- PHC6050 Public Health Biostats I (3 Credits)
- PHC6102 Public Hlth Policy and Advoc (3 Credits)
- PHC6149 Public Hlth Leader and Manage (3 Credits)

Concentration Requirements (15 credits)

- HSC6603 Theoretical Found of Behav Chg (3 Credits)
- HSC6716 Health Program Evaluation (3 Credits)
- PHC6103 Applied Soc Behavioral Science (3 Credits)
- PHC6940 Public Health Capstone (3 Credits)

Prerequisite: Completion of or current enrollment in all required MPH courses and permission of the PHC6940 Public Health Capstone Instructor

- PHC6945 Public Health Internship (3 Credits)

Prerequisite: PHC6940 and Permission of the Capstone Instructor

Major Electives (6 credits)

SELECT 2 courses

with an HSA, HSC, or PHC prefix. A list of additional approved electives is posted on the MPH website. Other

graduate level courses may be taken with approval of the MPH Program Director.

Major: Clinical Mental Health Couns

Degree: Master of Science

Informational Text

Please note the following:

- Refer to the UNF graduate catalog for prerequisites to individual courses.
- Unless a course is identified as repeatable for credit, you may receive credit for a course only once. However, your GPA will reflect all repeated courses.
- Program Director approval is required prior to registering for course work at another institution.
- With Program Director approval, graduate level course work may be transferred from another regionally accredited institution.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- It is mandatory to follow the program course sequence. You must contact the program director for any changes in course sequence to be considered.
- To qualify for the Thesis option student must:
 - have satisfactorily passed MHS6876 Clinical Research and Outcome Evaluation with a grade of B or better.
 - have a GPA of 3.3 or higher in their first 2 semesters of the program, and - identify and receive written approval from their Thesis Advisor, Second Reader, and Program Director.

Major Requirements (51 credits)

MHS6430 Intro to Family Counseling (3 Credits)

MHS6486 Human Dev Across Lifespan (3 Credits)

MHS6404 Theories in Clinical MHC (3 Credits)

MHS6700 Legal, Prof, Eth in Counseling (3 Credits)

MHS6941 Clinical Counseling Skills (3 Credits)

MHS6876 Clinical Research Evaluation (3 Credits)

MHS6405 Advanced Counseling (3 Credits)

MHS6428 Counseling Diverse Populations (3 Credits)

MHS6510 Group Counseling (3 Credits)

MHS6205 Clin. Assessment and Diagnosis (3 Credits)

MHS6305 Career Counseling (3 Credits)

MHS6800 Prac:Mental Health Counseling (3-6 Credits)

MHS6401 CMHC in Community Settings (3 Credits)

MHS6450 Addictions Counseling (3 Credits)

MHS6470 Sexual Issue in Counseling (3 Credits)

MHS6830 Intern in Mental Health Course (3 Credits)

Electives or Thesis (9 credits)

ELECTIVES Select 3 courses

- MHS5403 Expressive Arts and Creativity in Counseling (3 credits)
- MHS6402 Overview of Brief Counseling (3 credits)
- MHS6431 Advanced Seminar in Family Counseling(3 credits)
- MHS6436 Counseling Military Families (3 credits)
- MHS6500 Advanced Practice in Group Counseling(3 credits)
- MHS6610 Clinical Supervision in Counseling (3 credits)
- MHS6916 Conceptual/Research Independent Study in CMHC (3 credits)
- MHS6930 ST: Special Topics in Counseling (3 credits)
- MHS6423 Psychotherapy with Children and Adolescents (3 credits)
- MHS6444 Animal Assisted Therapy in Counseling: Theory and Practice (3 credits)
- MHS6448 Grief and Loss in Counseling (3 credits)
- HSC6601 Animal Assisted Interventions and Therapies in Healthcare (3 credits)

THESIS take 9 credits

- MHS6970 Thesis A (3-6 credits)
- MHS6971 Thesis B (3-6 credits)

Even though each individual thesis course could be taken for 6

credits, the total credit hours for both courses cannot exceed 9 credits.

Major: AAT in Counseling Certificate
Degree: Post-Baccalaureate Certificate

Certificate Requirements (9 credits)

HSC6601 Animal Assist Int and Th in HC (3 Credits)

MHS5403 Exp Arts and Creativity in Cou (3 Credits)

MHS6444 AAT-C in Coun: T and P (3 Credits)

Major: App Pub Hlth & Med Ed Rsch

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

REQUIRED Public Health courses

- PHC6050 Public Health Biostatistics I OR PHC6051 Public Health Biostatistics II
- HSC6735 Health Science Research

ELECTIVES Choose 3 courses:

- HSC6716 Health Program Evaluation
- HSC6603 Theoretical Foundation of Behavior Change
- PHC6051 Public Health Biostatistics II
- EDA7410 Research in Educational Leadership: Qualitative Methods
- EDF6211 Advanced Educational Psychology
- EDF6442 Assessment in the Curriculum
- EDF7215 Learning and Instruction Throughout the Lifespan
- EDG6285 Fundamentals of Program Evaluation
- EDG6325 General Education Competencies - Models of teaching
- EME6050 Enhancing Instruction with technology
- EME6344 Lifelong Learning and Professional Development
- EME6442 Curriculum and Instruction for Adult Learning
- EME6678 Effective Training Design and Development
- Other courses with approval of MPH Program Director

Major: Global Health Certificate

Degree: Post-Baccalaureate Certificate

Certificate Requirements (12 credits)

Note: Students who completed any of the cross-listed course options at the undergraduate level may not take the same course at the graduate level for credit toward the graduate Global Health Certificate (i.e. HSC4624 Global Health, HSC4670 Global Sexuality & Reproductive Health, HSC4674 Global Health: Water, Sanitation, and Hygiene, HSC4931 Global Immigrant and Refugee Health).

REQUIRED One Course

3 credit hours total

- HSC6625 Global Health
- HUN7548 Nutrition and Global Health
- NGR6894 Global Health Care & Culture

ELECTIVES Three courses

9 credit hours total (a study abroad course is strongly encouraged)

- DIE6390 Nutrition and Health in Refugee Populations
- DIE6906 Dietetics Independent Study and Research
- DIE6912 Projects in Nutrition
- DIE6931 Special Topics in Dietetics (study abroad or global focus)
- DIE6945 Dietetics Field Experiences
- HSA6958 Study Abroad: Healthcare
- HSC6165 Global Sexuality and Reproductive Health
- HSC6625 Global Health
- HSC6675 Global Health: Water, Sanitation and Hygiene
- HSC6931 Special Topics in Public Health (study abroad or global focus)
- HUN6123 Sociocultural Influences on Nutrition
- HUN7548 Nutrition and Global Health
- NGR5931 Special Topics in Nursing (study abroad or global focus)
- NGR6894 Global Health Care & Culture
- PHT7937 Special Topics in PT (study abroad or global focus)

Other courses with approval of Program Director

Major: Mental Health Sexology

Degree: Post-Baccalaureate Certificate

Certificate Requirements (12 credits)

REQUIRED 9 credits

- MHS6470 Sexual Issues in Counseling (3 credits)
- MHS6905 Directed Individual Study (6 credits)

*Students will take 3 credits of MHS6905 in the Fall and 3 credits in the Spring.

ELECTIVES 3 credits

- HSC6138 Sexuality Education (3 credits)
- HSC6165 Global Sexuality and Reproductive Health (3 credits)
- PHI5627 Ethics of Sex and Gender (3 credits)
- Other graduate courses as approved by Certificate Coordinator

Major: Public Health Certificate
Degree: Post-Baccalaureate Certificate

Certificate Requirements (18 credits)

HSC6215 Environmental Health (3 Credits)

HSC6587 Public Hlth Prog Planning (3 Credits)

PHC6000 Epidemiology I (3 Credits)

PHC6102 Public Hlth Policy and Advoc (3 Credits)

PHC6050 Public Health Biostats I (3 Credits)

PHC6149 Public Hlth Leader and Manage (3 Credits)



Coggin College of Business Overview

- [Accreditation](#)
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Accreditation

Our undergraduate and graduate programs in business and accounting are [AACSB](#) Accredited, which is the international gold standard for quality academic programs in business management. As the longest serving global association dedicated to advancing management education worldwide, AACSB accredits 901 of the world's best business schools across 58 countries and territories. Currently, 189 member institutions hold AACSB Accreditation in accounting.



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Mission

To educate and develop business professionals through accredited degree programs by having both students and faculty engaged in scholarly activities for the discovery and application of knowledge.

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Vision

The Coggin College of Business aspires to be the institution of first choice for business education, serving North Florida with top-quality faculty excelling in teaching and scholarship, and sharing with students their passion for life-long discovery and community service.

Values

Coggin College staff, students, and faculty work together in a learning community characterized by civility, mutual respect, and open, honest communication.

The distinctiveness of our learning community is exemplified by the values that we consider most important. Specifically, we value:

- faculty-student interaction of the highest quality;
- global perspective, as an essential aspect of relevant business education; and
- commitment to enthusiasm for continuous learning.

Our faculty and staff embrace these values and encourage our students to do the same. As our students observe professional interactions among faculty, staff and their peers, they are provided with behavioral models to emulate.

Our goal is to live and share these values so that students learning in the Coggin College, which could be limited to receiving information, instead becomes transformational learning. That is, it results in a positive shift in the way students think, view themselves, and view the world around them.

This transformational learning takes place in our classrooms and in experiential learning opportunities such as study abroad; internships; participation in student organizations; involvement in research projects with our faculty; and professional interactions with our staff.

We expect that students who are engaged in the Coggin College learning community will obtain high-quality positions upon graduation and have successful careers as business professionals. As alumni, they become the “Brand” of the Coggin College.

[Osprey Financial Group](#)

[Student Clubs](#)

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[Jacksonville Business
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Wall Street Journal Partnership

Each student each receives access to all of the Wall Street Journal's online editions, as well as Barron's online and the WSJ Employment Edition. Additional information is available on Coggin College's [Wall Street Journal Partnership webpage](#).

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Jacksonville Business Journal Partnership

All Coggin students have online access to the *Jacksonville Business Journal*. This publication gives students insight into the pulse of the local business community. Additional Information is available on Coggin College's [Jacksonville Business Journal Partnership webpage](#).

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Coggin College of Business

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Website: <http://www.unf.edu/coggin/>

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University of North Florida

Coggin College of Business

1 UNF Drive, Building 42

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Dean's Office

Location: Building 42, Room 2010

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Rabena Leonzon, Coordinator of Budgets

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OTHER COLLEGE LINKS

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[Career Management Center](#)

(904) 620-1515 rabena.leonzon@unf.edu

Academic Advising

Building 10, Room 1351

(904) 620-2575

Career Management Center

Building 42, Room 2021

(904) 620-2067

Department of Accounting & Finance

Building 42, Room 3002

(904) 620-1667

Department of Economics & Geography

Building 42, Room 3003

(904) 620-2640

Department of Management

Building 42, Room 3002

(904) 620-2781

(904) 620-2782 Fax

Department of Marketing & Logistics

Building 42, Room 3002

(904) 620-1334

International Business Programs and Global Engagement

Building 10, Room 2125

(904) 620-2521

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Coggin College of Business Undergraduate Academic Advising

The Coggin College of Business Advising Office provides professional academic advising for sophomores, juniors, seniors, and post-baccalaureate students pursuing majors in the college.

Coggin Advisors partner with students to develop an academic plan aligned with their career goals and appropriate degree progression timeline.

Coggin advisors are well trained in all majors and minors in the Coggin College of Business and are committed to providing individualized assistance to a diverse student population. Advising is an engaging process between the advisor and the advisee where ultimately the student is in full control of their educational experience. Therefore, students are encouraged to visit the [Academic Advising Office](#) each semester to ensure they are on track for graduation, and to explore opportunities within the college.

Coggin College of Business Graduate Academic Advising

The Coggin College of Business Graduate Academic Advising Office provides professional academic advising to MBA, MsM, MAcc, MSLSCM, MSB, and graduate certificate students. We strive to guide student toward their academic and professional goals by providing timely information, references, and advice. At the beginning of each semester, we require all newly admitted students to attend a Graduate Student Orientation designed to help students transition to their respective graduate program. We encourage all graduate students to remain engaged with their graduate advisor to ensure they are on track for graduation, and to explore opportunities

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The Coggin College of Business adheres to all academic policies and regulations of the University. Individuals needing clarification of any of these policies, or an interpretation of how a policy might apply in a given situation, should contact the Coggin Academic Advising Office: building 10, room 1351; (904) 620 2575; coggin.advising@unf.edu.

Admissions Policy

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Transfer students may be admitted into the Coggin College of Business if they satisfy admission criteria for the University.

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Readmission Policy

Students who have previously been on probation or suspension may be considered for readmission. The Coggin College of Business carefully evaluates the student's academic records, may ask for additional documentation, and will make the final decision on admission or denial. Conditions for readmission are monitored by the student's academic advisor.

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Admission from a Non-Degree or Special Student Status

More information about admission in these classifications can be found here:

[Non-Degree Seeking](#)

[Post Baccalaureate](#)

Academic Standing (Probation and Suspension Policy)

Good Academic Standing

Undergraduate students with a total institutional GPA of 2.0 or above.

Academic Probation

An undergraduate student who fails to maintain good academic standing as stated above will be placed on academic probation and referred to an academic advisor. Academic probation is a warning. Student transcript will reflect academic probation.

Academic Suspension and Dismissal

If the total institutional GPA falls below 2.0 at the end of a semester in which a student is on academic probation, then the student will be

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eligible for suspension. If suspended, the student will be dropped from any course for which he/she is currently registered and denied the opportunity to re-enroll until released from suspension by their respective College. Student transcripts will reflect suspensions.

Coggin College of Business Suspension Terms

- First suspension: student is not allowed to enroll in courses for one semester.
- Second suspension: student is not allowed to enroll in courses for two semesters.
- Third suspension: student is not allowed to enroll in courses for at least three semesters (i.e., one full calendar year). A third suspension will result in breaking continuous enrollment. A student who breaks continuous enrollment must re-apply to the university for admission; readmission is not guaranteed.

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Lower-level Prerequisite Policy

The Coggin College of Business lower-level prerequisite courses are prerequisites for most upper-level courses in the college. A grade of “C” or better is required in all prerequisite courses.

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Prerequisite/Co-requisite* Policy

Students enrolled in Coggin College of Business courses are responsible for assuring they have satisfactorily met the requirements for all prerequisite/co-requisite courses. The student's professor, the department chairperson, or the Director of Academic Advising Services has the discretionary authority to dismiss any student who has not met the prerequisite/co-requisite requirement of a course. Fees will not be refunded for dismissal from a course by one of the parties listed above if the dismissal is for lack of required prerequisites or co-requisites.

- * Prerequisite = to take before
- * Co-requisite = to take at the same time

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Directed Independent Study (DIS) Policy

Students interested in a directed independent study must obtain appropriate approvals from the faculty member, department

chairperson, and the Director of Academic Advising Services. Traditionally, the faculty member initiates a research project with a student. The student and the faculty member must complete a directed independent study form, which must detail the work to be done and grading policy to be used. Student should work with their faculty member to complete the directed independent study form to ensure proper credit is awarded upon successful completion.

- The maximum number of DIS hours allowed for an undergraduate student is six semester hours.
- Minimum 2.5 GPA.

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Policy on Use of International Academic Experiences in Undergraduate Degree Evaluations

The Coggin College of Business supports and encourages undergraduate students to study abroad. In all cases, students must obtain approval regarding anticipated academic credit earned prior to departure. The Coggin College of Business offers five types of programs:

- Faculty-led study abroad courses
- Four week summer programs (via exchange partners) "Coggin In...."
- Semester and academic year abroad (via exchange partners)
- Semester internship abroad
- Double degree programs (via exchange partners)

Note: Coggin undergraduate students can only apply TWO upper-level, faculty-led study abroad courses towards their program of study. This excludes the 4-week summer and semester programs. Also, Coggin undergraduate students can only use ONE faculty-led study abroad towards their "major" requirements. Please see the [Global Engagement](#) office and your academic advisors for specific information regarding study abroad opportunities.

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Acceptance of "D" Grades

Students must earn a “C” grade or better in all Coggin College of Business courses.

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Change of Major Policy

In general, matriculated students who want to change their major within Coggin or transition to Coggin from another college, must have a cumulative GPA of 2.0 or higher. However, there are other stipulations regarding the Change of Major Policy. Please review the [UNF Change of Major policy](#) for additional information and meet with an academic advisor to review required coursework. If a student fall within the stipulation of the policy, an academic advisor will submit the major change request.

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Concurrent Enrollment Policy

In general, concurrent/transient enrollment in business courses at other institutions is not permitted for Coggin students. Business courses include lower level business prerequisites and upper level business courses required for the degree.

UNF native BBA or BA degree seeking students can request permission for concurrent/transient enrollment only when extenuating, documentable circumstances are present. The concurrent/transient approval is required prior to taking the course(s) at another institution. Students must first complete a "Waiver of College Policy" form for permission. If permission is granted, students must complete the [Transient Student Admission Application](#) at [FloridaShines](#). Students should meet with an academic advisor, and then follow [instructions](#) to complete the transient process. UNF native students are students who first matriculate at UNF after high school graduation.

Transfer students, dependent on their transfer status in accordance with the Florida Board of Governors, would either require permission for concurrent/transient enrollment through Coggin Advising and a “Waiver of College Policy”, or the [Transient Student Admission Application](#) at [FloridaShines](#). Students should meet with an academic advisor to determine eligibility and then follow [instructions](#) to complete the transient process. Approval through a waiver or [FloridaShines](#) application is required prior to taking the course at another institution.

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Double Majors and Dual Degree Policies

Double Majors

Any UNF students working towards a single baccalaureate degree who satisfies all requirements for two majors within the Coggin College of Business will be awarded two diplomas and both majors will be reflected on the permanent record. Once the degree has been awarded, subsequent course work cannot be added to create a second degree for either major. In order to earn a double major, students must formally declare the double major and complete all prerequisites and major requirements for each major. Students must meet GPA requirement for each major and earn a minimum of 120 semester hours.

Dual Degrees

Students in the Coggin College of Business may pursue a dual degree as long as the second college (for example College of Arts and Sciences) agrees that the student may seek the simultaneous degree in that college. Students must formally declare a dual degree.

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General Education and Foreign Language Policy

All Coggin College of Business students are expected to complete all general education and foreign language requirements before reaching senior standing (90 semester hours).

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GPA Required for Graduation

Students graduating with a BA or BBA degree must have a minimum 2.0 GPA in both the UNF overall and upper-level program GPA. Students must have a 2.0 GPA in both the UNF overall and upper-level program GPA for approval to enroll in Business Policy (MAN 4720).

Graduation with Less than 60 Upper-Level Hours

Students must complete a minimum of 120 semester hours and 60 upper-level hours in addition to all program requirements.

International Business students are required to complete 54 upper-level hours in addition to all program requirements. [^ Go to top](#)

Second Undergraduate Degree in Business Administration

In order to earn a post-baccalaureate Bachelor of Business Administration degree from UNF, students who already hold a UNF bachelor degree in business must complete a minimum of 30 additional hours of upper-level course work at UNF. If the first degree is not a UNF business degree, then a minimum of 45 additional upper-level hours must be completed at UNF. This course work must be directly related to the new major and new degree.

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Transfer of Credits Policy

See an academic advisor regarding the limitations of transfer courses. Coggin College of Business may accept up to five upper-level business courses if:

- The courses were taken at an AACSB accredited institution
- A grade of "C" or higher was earned
- The courses are evaluated as equivalent to required UNF courses (student must provide course syllabi for evaluation). International syllabi must be translated into English.

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Policy on Academic Minors

- Students pursuing the BBA degree are not required to choose a minor
- Students pursuing the BA degree are required to choose a minor
- Unless approved by the college, students may declare no more than two minors
- Minors outside of the College of Business are permitted

- All minors **MUST** be officially declared with an Academic Advisor

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10–Year Rule

All upper-level business courses expire after 10 years and must be repeated if the student does not graduate before courses expire. This policy applies both to courses taken at UNF and courses taken at other institutions.

This includes:

- All core courses
- All major course
- All major electives
- Regional Studies and Intermediate Foreign Languages courses (International Business majors)
- All substitutions for the above courses

This excludes:

- All prerequisite/foundation courses
- All cultural diversity courses
- All public speaking courses
- All business communication courses

Note: Courses within the 10-year window at start of the degree may be removed from a student's Degree Evaluation as the 10 year window closes and courses expire.

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Additional Policies and Procedures

This catalog does not encompass all policies and procedures in the Coggin College of Business. Please contact an academic advisor for clarification or additional information. As a student, you are responsible for policies and procedures that may not be reflected on this page or discussed by your advisor.

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Coggin College of Business Undergraduate Degree Requirements

Business Administration Degree

- Accounting
- Business Management
- Business Intelligence
- Economics
- Finance
- Financial Planning
- International Business
- Marketing
- Transportation and Logistics

Students must satisfy all [General Education](#) requirements. Students transferring with Associate of Arts degree from a Florida State/Community College will satisfy General Education requirements.

Required Prerequisites (21hrs)

- Principles of Financial Accounting
- Principles of Managerial Accounting
- Principles of Macroeconomics
- Principles of Microeconomics
- Elementary Statistics for Business
- Calculus for Business
- Computer Applications for Business

Required Core Courses (18hrs)

- FIN 3403 Financial Management

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- MAR 3023 Principles of Marketing
- MAN 3504 Production/Operations and Logistics Management
- MAN 3025 Principles of Management
- BUL 3130 Legal Environment of Business
- MAN 4720 Strategic Management & Business Policy

Required Major Courses

- See respective major [curriculum](#).

Required Non-Business Courses

- Approved Cultural Diversity Course or Study Abroad experience
- ENC3202 Professional Communication for Business

Total Upper Level Hours Required: 60 hours (54 hours for International Business Majors)

Total Credit Hours Required: 120 hours

Note: A minimum grade of “C” is required in all coursework.

Bachelor of Arts Degree

- Economics

Students must satisfy all [General Education](#) requirements. Students transferring with Associate of Arts degree from a Florida State/Community College will satisfy General Education requirements.

Required Prerequisites (6hrs)

- Principles of Macroeconomics
- Principles of Microeconomics; OR
- Two courses with an ECO prefix

Required Major Courses (15hrs)

- See respective major curriculum.

Required Major Electives (9hrs)

- See respective major curriculum.

Minor Requirement (credits will vary)

- See [catalog](#) for minor options.

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- Minor can be outside of Coggin.
- Credit hours will vary.
- A student pursuing a double major is not required to complete a minor.

Foreign Language (8hrs) OR Foreign Culture Requirement (6hrs)

- Foreign Language Option (8hrs):
 - Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
 - The first course in each of the two-course sequence is typically offered in the fall and the second course in each of the two-course sequences is typically offered in the spring.
 - To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
 - Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
 - This policy applies to Chinese as well, placement being determined by the professor of the program.
- Foreign Culture Option (6hrs)
 - Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
 - Foreign Culture courses are denoted with "FC" in the course title.

Required Upper Level Free Electives (13 hrs)

- Free electives may be courses in any discipline provided the required prerequisites are met.
- Free electives are needed to satisfy the total hours

requirement.

- These hours may vary (consult your advisor about free elective hours needed to graduate).

Total Upper Level Hours Required: 48 hours

Total Credit Hours Required: 120 hours

Note: A minimum grade of "C" is required in all coursework.

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Coggin College of Business Undergraduate Majors

- [Accounting, BBA](#)
- [Business Management, BBA](#)
- [Business Intelligence, BBA](#)
- [Economic, BBA](#)
- [Economics, BA](#)
- [Finance, BBA](#)
- [Financial Planning, BBA](#)
- [International Business, BBA](#)
- [Marketing, BBA](#)
- [Transportation and Logistics, BBA](#)

Double degree programs:

Today's job market seeks graduates who have gained skills beyond those learned in the classroom; independence, cross-cultural communication, adaptability, flexibility, and open-mindedness are just a few of the traits an international double degree program can help cultivate. Coggin College of Business students who participate in our international double degree programs complete two years of study at UNF, two years of study at a partner university overseas, and a five-month internship abroad in just over four years. Upon graduation, students earn (1) a bachelor of business administration (BBA) with a major in international business from UNF, and (2) a bachelor's degree from one of our partner institutions. Coggin currently offers a double degree program with KEDGE Business School (France), Universitat de Valencia (Spain), and Hochschule Bremen (Germany), and is in the process of developing a double degree program with a university in the UK.

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Coggin College of Business Undergraduate Minors

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- [Business Management](#)
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- [Digital Marketing and Analytics](#)
- [Economics](#)
- [Entrepreneurship](#)
- [Finance](#)
- [GIS and Economic Geography](#)
- [Human Resource Management](#)
- [International Business](#)
- [Marketing](#)

Minors in the Coggin College of Business

Students wishing to obtain a minor must apply through an established procedure with their Academic Advisor.

Minor in Business Administration (Non-business Majors)

Departments outside the Coggin College of Business that wish to offer a minor in business administration may do so provided the minor meets the requirements, including the prerequisites.

Departments wishing to offer a minor in business administration should discuss the option with the Coggin associate dean prior to submitting formal program material.

Minor in Business Management (Non-business Majors)

The Business Management Minor is a wonderful complement to

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any major field of study. Requiring just 12 additional hours, the Business Management Minor is open to non-business majors enabling students to incorporate the minor into just about any major field of study with ease. Whether you're preparing to practice medicine or law, interested in STEAM (science, technology, engineering, art, and mathematics) disciplines, or simply trying to diversify your business acumen, understanding the fundamentals of Management will be an invaluable addition to your major skill-set and should increase your job prospects.

Digital Marketing (Non-business Majors)

As e-marketing and social media changed the way companies, organizations, and individuals do business, your skills and competencies must keep pace. Regardless of major or academic background, you'll need to be comfortable sharing and communicating in these core channels now and going forward. You will gain first-hand understanding of the elements driving digital transformation in today's world (like the Internet of Things, Drones, Artificial Intelligence, Big Data, Data Analytics, Social Media & Digital Marketing, Virtual and Augmented Reality, Telemedicine, Robotics). Graduates with a digital marketing minor will be positioned for any number of new jobs in digital marketing solution design, blogging, search engine optimization, e-detailing, site design, Internet research, digital demographics, personalization, information architecture, social media, and media design. This minor is appropriate for all students, but particularly relevant for students majoring in Advertising, Communication Studies, Graphic Design and Digital Media, Public Relations, Information Systems, among other disciplines.

Digital Marketing and Analytics (Business Majors)

Designed with extensive input from industry interested in hiring individuals to work with "big data," this Minor is an opportunity for students across business disciplines to complement their major with skills in this fast-growing and important field.

This minor integrates digital technology and analytics to provide you with a hands-on experience applied to real world situations. Graduates with a digital marketing and analytics minor will be positioned for new and emerging jobs related to analytics, search engine optimization, e-detailing, site design, digital demographics, customer relationship management, information

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architecture, social media, media design, market analytics development, marketing analysis, social media management, digital marketing solution design, or forecasting and planning analysis. This minor is appropriate for all business students, but particularly relevant for students majoring in Marketing, Business Management, Finance, among other disciplines.

Minor in Economics (Business and Non-business Majors)

The minor in Economics is designed for students who want to supplement their major with a background in the field that is the backdrop for all business fields. Having a minor or major in economics reveals to an employer or a graduate school that one has had training in analytical decision making, quantitative methods, as well as a global perspective on the economy and business.

Minor in Entrepreneurship (Business and Non-business Majors)

Entrepreneurial jobs are very different than those in existing corporations. Students must learn to manage risks and have the proper skills necessary to assess many different business situations. Only with critical thinking skills applied specifically to entrepreneurial issues in finance, marketing and management can these individuals reach the skill and knowledge levels required for success. The goal of the minor in Entrepreneurship is to provide students with an experiential approach to learning that builds these skills. The minor is distinct from the other minors in the Coggin College of Business in terms of the courses offered and the perspective from which business concepts will be approached and applied.

Minor in Finance (Business and Non-business Majors)

The minor in finance has been added to meet the needs of Accounting, International Business and other Coggin College of Business majors for additional coursework in this important area.

Minor in GIS and Economic Geography (Business and Non-business Majors)

Spatial skills in Economic Geography and GIS prepare students for a wide variety of occupations in government, business, planning, and education. The importance of Geographic Information Systems

(GIS), and in particular, Business GIS, has increased interest and demand for GIS and other geography courses in recent years.

Human Resource Management (Business and Non-business Majors)

The Undergraduate HRM Minor will equip you with the skills needed to recruit and hire employees strategically, reward employees for performance and retention, deal with the “sticky” issues of employee relations, and help you stay current with trends and issues in the HR world that effect your workplace. Completing an HR minor opens a pathway to well-paying employment opportunities in a variety of steadily growing fields, such as corporate training, employee relations, and HR specialties in compensation, selection, or diversity. Since HR is an ever-evolving field, HR also provides opportunity for personal growth and advancement as new strategies, technologies and skills are learned and improved upon. More importantly, HR will provide you an avenue to make an impact in your organization or entrepreneurial venture.

Minor in International Business (Business and Non-business Majors)

Students in the Coggin College of Business with an interest in the increasingly important area of international business may minor in international business. With careful course scheduling, a student can meet the requirements for the minor without exceeding the 60 upper-level hours required for the BBA degree. Additionally, this minor gives flexibility for students to use study abroad experiences toward their degrees. Interested students should discuss the minor with their advisor and the director of the program. The minor is an excellent way for a student majoring in business to pick up a support area without completing all of the courses necessary to get a second major.

Minor in Marketing (Business and Non-business Majors)

The minor in Marketing equips students with the necessary skills to understand consumer behavior and conduct market research. The minor in Marketing will help students understand the process of planning market programs and techniques in analyzing the market. Students will learn the fundamentals of advertising, purchasing, promotion and distribution.

Note: All minors have requirements regarding the minimum number of courses taken at UNF. A minimum grade of "C" is required for all minors in the Coggin College of Business.

Coggin College of Business Undergraduate Certificate Program

[Financial Analytics](#)

Financial Analytics

The Financial Analytics Certificate is a unique certificate program that selects students based on an interview process. The goal of the Financial Analytics Certificate is to provide students with specialized academic experience that integrate corporate engagement with real world financial problem solving. Students will rely on data and information technology to manage a real portfolio of securities. Students selected for this highly rigorous certificate will establish the security selection criteria, research the perspective investments, generate reports, make decision to buy or sell, and execute trades. Because analytics is both the art and science of discovering and communicating useful insights from data, students will learn how to evaluate securities and gain a strong foundation in fixed income theories and strategies. Given the rigor the certificate, the standard of excellence required in all courses, students will graduate with strong financial analytics competencies needed to be successful in a variety of industries in a global economy. This certificate program is appropriate for those students seeking analytics related roles in financial business organizations.

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Required GPA

Students graduating with a graduate degree or graduate certificate from the Coggin College of Business must earn a minimum of "C" or better in all coursework taken toward their current program. MBA Concentration courses must be complete with a grade of "B" or better. All students are required to maintain a minimum 3.0 UNF at the 6000 level prior to enrolling in MAN 6726 Advanced Business Policy (MBA) or MAN6724 Strategy for Business (MsM) and in order to earn a degree.

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The Graduate GPA will be calculated from courses reflected on the Degree Evaluation. This calculation will also include all courses that are repeated. Grade forgiveness is not permitted at the Graduate level.

In order to take MAN6726 (MBA) or MAN6724 (MsM) and to graduate from any Coggin program:

- 6000 level course GPA must be 3.0 or better
- Total program GPA for MAcc, MBA, MsM, or MSLSCM must be 3.0 or better

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Probation/Suspension Policy

If a graduate student's current Term GPA, Program GPA, or Institutional GPA drops below 3.0, the student will be placed on probation. Probationary status will remain in effect until the institutional GPA is above a 3.0.

If both the current term and total institution GPA fall below 3.0 during the next term of enrollment, the student will be suspended.

Students with a total institution GPA below 3.0 may not enroll in Advanced Business Policy.

- First suspension: the student is not allowed to enroll in courses for one semester.
- Second suspension: the student is not allowed to enroll in courses for two semesters.
- Third suspension: the student is not allowed to enroll in courses for at least three semesters (i.e., one full calendar year). Students wishing to be readmitted to the Coggin College of Business after a third suspension must reapply through The Graduate School.

A student cannot take MAN 6726 or MAN6724 if on probation.

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Prerequisite / Co-requisite* Policy

Students enrolled in Coggin College of Business courses are responsible for assuring they have satisfactorily met requirements for all prerequisite/co-requisite courses. The student's professor, the department chairperson, or the Graduate Program Director has the discretionary authority to dismiss any student from related courses who has not fully complied with this policy. Fees will not be refunded for dismissal from a course by one of the parties listed above if the dismissal is for lack of required prerequisites or co-requisites.

- * Prerequisite = "Taken before"
- * Co-requisite = "Taken at the same time"

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Incomplete Grade Policy

Faculty members in the Coggin College of Business may give a grade of "I" (incomplete) if special circumstances exist. Occasionally, because of sickness or other emergencies, a faculty member may choose to assign an "I" grade. The "I" grade can only be given when the student has completed a substantial part of the course and is passing the course, but because of an emergency cannot complete some final course requirements. For example, a final exam or a term paper may need to be completed. In these cases, an "I" grade may be assigned, and a definite time for completing the course requirements must be given. The maximum time allowed to remove a grade of "I" is one calendar year or graduation, whichever comes first.

In addition to recording the "I" on the online grading system, an "Assignment of Incomplete Grade" form must be completed by the instructor. This form should give specific details on how the "I" grade is to be resolved. An "I" grade should never be assigned prior to the withdrawal date and should also never be used for the purpose of allowing a student to completely retake a course. Students may not re-register for any course in which an incomplete grade was received. Students may not graduate with outstanding "I" grades.

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Attendance Policy

Effective Fall 2003, students are required to attend the first class

meeting. Registered students who do not attend the first day of class may be dropped from the course at the discretion of the instructor. Many professors require attendance to all meeting sessions of their course. Attendance guidelines are generally set by each individual professor. Students with extenuating circumstances beyond their control who are unable to attend the first class meeting must notify the instructor. Contact the UNF Operator at 620-1000 for departmental phone numbers.

NOTE: Non-attendance does not guarantee a student will be dropped from the course(s). Students are fee liable for all courses for which they are registered for unless dropped. Students must drop themselves by the add/drop deadline from all courses they do not plan to attend.

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Appealing an Academic Decision

Learn about the policy for [appealing an academic decision](#).

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Foundation Requirements

The business graduate foundation course requirements consist of a set of subjects considered by the graduate faculty as required for graduate study in the MAcc and MBA degrees programs. The MsM and MSLSCM degree programs do not require foundation courses.

Refer to the program Degree Evaluation for specific foundation course requirements.

A student who has earned a "C" or better in foundation courses are not required to take foundation courses. A student who has not satisfied specific foundation course requirements will be required to take the appropriate foundation courses at UNF.

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Directed Independent Study

The intent of a Directed Independent Study (DIS) is to allow a student to pursue a selected topic in greater depth, through research

and writing, under the direction of a Coggin College of Business graduate faculty member. This type of course experience differs from required and regularly offered courses that usually involve classroom interaction. No more than three (3) credit hours of DIS may be counted toward graduation requirements. Directed Independent Study require an institutional graduate GPA of 3.5 or better and prior approval by the instructor and the graduate program director.

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Graduate Transfer Credits

A maximum of 12 credit hours of 6000 level course work may be transferred in from another AACSB accredited institution or an appropriately accredit international institution. The student must provide a syllabus from each class he or she requests to transfer. Only courses completed within seven years of completion of the UNF graduate degree program may transfer toward that program. A "B" or above grade is required to transfer a course. Courses are then evaluated for possible inclusion in a student's program of study.

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Multiple Concentrations

Students pursuing the MBA degree are not required to choose a concentration. However, MBA students may pursue a maximum of two concentrations. Taking courses toward a concentration does not guarantee the respective concentration will be reflected on a student's transcript or degree evaluation. The concentration must be formally declared. Students should contact their graduate academic advisor for additional information. A grade of a "B" or better is required for all concentration courses at the time of graduation.

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Additional Policies and Procedures

This catalog does not encompass all policies and procedures for the graduate programs in the Coggin College of Business. Please see the graduate handbook or contact the graduate academic advisor for clarification or additional information.

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Coggin College of Business Graduate Degree Requirements

- [Master of Accountancy Program](#)
- [Master of Business Administration Program](#)
- [GlobalMBA Program](#)
- [Master of Science in Management](#)
- [Master of Science in Logistics and Supply Chain Management](#)

[Master of Accountancy \(MAcc\)](#)

The increasingly complex nature of the accounting and controllership functions, as well as the growing responsibilities of the accountant, makes graduate study desirable. Since 1978, the Coggin College of Business has provided a professionally oriented Master of Accountancy (MAcc) degree which enables career advancement in the accounting profession and the additional accounting coursework necessary to be licensed as a CPA under Florida accountancy laws. As evidence of the quality of the Master of Accountancy Program, the MAcc and the undergraduate BBA in Accounting Degree Programs are separately accredited by AACSB International-The Association to Advance Collegiate Schools of Business.

The objective of the curriculum leading to the Master of Accountancy (MAcc) degree is to provide the necessary advanced study for those seeking careers in professional accounting as controllers and accounting executives in industry and government, or as independent certified public accountants. Emphasis is given to how accountants relate theory to current problems, and how accountants communicate such information to the various users of accounting data. Students in the Master of Accountancy Program may pursue either the general accounting track or the tax concentration.

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The program is designed to allow those who possess a recent baccalaureate degree from an AACSB accredited college, with an accounting major or its equivalent, to complete the MAcc in three or four semesters. Those who possess a baccalaureate degree in business administration or in some other discipline will be required to take foundation courses to remove any deficiencies before admission to the MAcc Program.

The objectives of the [Master of Accountancy \(MACC\)](#) program are:

1. To attract and retain students from diverse backgrounds with appropriate accounting undergraduate coursework and the abilities necessary for graduate study and subsequent success in the accounting profession as well as in the business world in general.
2. To provide students an opportunity to pursue concentrations in financial accounting or taxation.
3. To enhance analytical, team-building, and technological skills; written and oral communication skills; critical thinking, research and problem solving skills that are necessary for lifelong success in the accounting profession as well as in the business world in general.
4. To explore contemporary issues relevant to the professional accounting and taxation environment.
5. To provide the additional education necessary for the successful completion of professional examinations and licensure.
6. To encourage students to become active in professional organizations in accounting and taxation.
7. To prepare students to enter quality doctoral programs.
8. To provide students the opportunity to work with faculty on research projects.
9. To provide students opportunities for international travel and study.

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[Master of Business Administration](#)

The mission of the Master of Business Administration MBA is to prepare students for positions of organizational leadership. The curriculum focuses on developing a general management perspective and in-depth knowledge of the various skills required to manage effectively in a rapidly changing and increasingly technical and global environment. This mission recognizes the need for

graduates to demonstrate understanding of:

- how to construct and articulate one's point of view, and solicit that of others
- the increasingly technical, global, and ethically complex environment
- all major organizational functions and their interrelationships
- how to evaluate, develop, allocate, and manage an organization's resources
- how to improve organizational processes and decisions
- how to lead, collaborate, and apply knowledge in new, uncertain, and dynamic environments

Students in the MBA degree program may choose one of the following concentrations:

- [Accounting](#)
- [Construction Management](#)
- [e-Business](#)
- [Economics & Geography](#)
- [Finance](#)
- [International Business](#)
- [Logistics](#)
- [Management Applications](#)
- [Marketing](#)
- [Marketing Analytics](#)
- [Sports Management](#)

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GlobalMBA

The [GlobalMBA](#) is a unique program providing graduate students the opportunity to combine intensive classroom study with residential experiences in four countries: Germany, Poland, China and the United States. The GlobalMBA is offered by a consortium of four outstanding universities, one in each country.

At the end of the program students are eligible to earn 2 master's degrees:

- Master of Business Administration (M.B.A.) awarded by UNF (AACSB Accredited)
- Master of Arts (M.A.) in International Management and Intercultural Communication from partner universities in Germany and Poland.

The GlobalMBA starts each fall semester. Each university selects a small group of students who function as a cohort throughout the GlobalMBA program. The cohort, of approximately forty students, studies together, spending one term at each institution. The curriculum includes courses in the international aspects of each business discipline, in addition to courses on intercultural communication and international business environment in each country. Business sustainability issues are examined both inside and outside the classroom throughout the program. All instruction is in English.

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Master of Science in Business Analytics

Business analytics combines business and data science to give you the ability to make better decisions. Industries today rely on business leaders who have a strong technical and analytical background, the UNF MSBA will enable you to become problem solvers who know how to use data to influence decision-making and drive business innovation.

The curriculum has been designed to reflect industry demands for graduate business analytics education and is strongly supported by local and regional employers. Graduates of the program will be equipped to influence decision-making and strategy, and drive better business results by transforming data into a powerful and predictive strategic asset.

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Master of Science in Logistics and Supply Chain Management

The University of North Florida (UNF) is committed to meeting the needs of our growing logistics community in Jacksonville, the Northeast Florida Region and nationally. To help logistics and supply professionals be part of how the world does business in the future, we created the Master of Science in Logistics and Supply Chain Management degree.

This 32-credit hour degree program, one of only two in the state

of Florida, falls under the Transportation and Logistics Flagship Program within the Coggin College of Business and is designed to meet the graduate education needs of working individuals. Students will enhance their skills to keep pace with rapidly advancing technology and business practices in logistics and supply chain management, as well as prepare for career advancement and leadership opportunities. This degree program is ideal for employees with 3-15 years of experience in the logistics and supply chain management field, allowing them to develop and network, grow personally and professionally, and be prepared for advancement well before the promotion is offered.

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[Master of Science in Management](#)

The Master of Science in Management (MSM) at the Coggin College of Business builds a bridge to business for recent graduates and working professionals with non-business academic backgrounds. Completing the program can help you to develop core business skills that will make you stand out and empower you in your first job and throughout your professional career.

The MSM Program is a generalist graduate business program designed specifically for individuals with non-business academic degrees. No professional work experience is required.

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Coggin College of Business Graduate Degrees

Master of Accountancy Degree

- [Accounting - Taxation Concentration, MACC](#)
- [Accounting, MACC](#)

Global MBA Degree

- [GlobalMBA](#)

Master of Business Administration Degree

- [MBA](#)

Concentrations

- [Accounting, MBA](#)
- [Construction Management, MBA](#)
- [e-Business, MBA](#)
- [Economics and Geography, MBA](#)
- [Finance Concentration, MBA](#)
- [International Business, MBA](#)
- [Logistics, MBA](#)
- [Management Applications, MBA](#)
- [Marketing, MBA](#)
- [Marketing Analytics, MBA](#)
- [Sports Management, MBA](#)

(Note: All concentration courses must be completed with a grade of "B" or better.)

Master of Science in Business Intelligence Degree

- [Business Analytics, MS](#)

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Master of Science in Management Degree

- [Management, MS](#)

Master of Science in Logistics & Supply Chain Management Degree

- [Logistics & Supply Chain Management, MS](#)

Study Abroad Opportunities

- [Study Abroad Opportunities](#)

The Coggin College of Business provides graduate students with opportunities to experience first-hand the international aspects of business. Therefore, the College has established student and faculty exchange agreements with institutions of higher learning throughout the world.

MBA students are permitted to spend one semester abroad at a Coggin College of Business (CCOB) exchange partner. Students interested in spending more time abroad should consider the GlobalMBA or Global EntrepreneurshipMBA programs. Students participating in these exchanges register for UNF courses and pay their usual tuition to UNF. Credits earned count in the student's degree program at UNF. Graduate students are reminded, however, that they must complete 24 hours of graduate-level classes on the UNF campus to receive a UNF graduate degree, with the exception of the GlobalMBA.

The Coggin College of Business also offers short-term, faculty-led study abroad courses for graduate credit. Typically, the College offers at least one such course during spring break or May break. These courses allow students to experience the culture and business practices of another nation directly, through lectures from university faculty, business visits, and discussions with social and political leaders. Finally, there are additional opportunities to spend 2-6 weeks at a Coggin exchange partner during the summer term.

An MBA or MsM student may use a maximum of ONE short-term study abroad course in his/her program where permitted.

See [Coggin Study Abroad](#) for detailed information about exchange and study abroad opportunities.

Coggin College Policy on Use of

International Academic Experiences in Graduate Programs of Study

The Coggin College of Business allows its students to use in their programs of study the following three types of international academic experiences:

1. Coggin-sponsored Faculty-led Study Abroad Courses, which include international travel and business visits as an integral part of a larger course that focuses on business issues.
2. Non-Coggin Faculty-led Study Abroad Courses (i.e., those sponsored by other UNF colleges) which include international travel as an integral part of a larger course that focuses on non-business issues.
3. Student Exchange Programs, which provide students with the opportunity to take courses at foreign institutions. MBA student exchanges are limited to one semester, unless participating in the GlobalMBA or the Global EntrepreneurshipMBA.

Use of International Experience Credits in Program of Study by Graduate Students: In all cases, the student and his/her advisor must agree in writing regarding how study abroad credits will be used *before* the student goes abroad.

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Coggin College of Business Certificate Program

- [Business Analytics Certificate](#)
- [E-Business Certificate](#)

Business Analytics Certificate

Analytics is both the art and science of deriving insights from data. It addresses the changing reality of data in organizations: automated, real-time, voluminous, distributed, multi-formatted, and messy. The certificate program is appropriate for students seeking analytics related roles in business organizations. Demand for such skills is significant in the local and national marketplace.

E-Business Certificate

Any graduate or post-graduate business student wanting to update their skills by learning about these new and important business models. Additionally, any current graduate student seeking a practical elective in their MBA program might want to select courses from among the e-Business certificate program offerings. Each of the e-Business classes will count as a MBA elective. In addition, those graduates or post-graduates holding technical degrees might want to further develop their own career options with an e-Business certificate and perhaps ultimately the MBA.

The Certificate in e-Business (CeB) provides graduate students in business with a solid foundation in both the theory and strategy of a variety of e-Business issues. The purpose of the program is to offer student participants the requisite management skills for the new economy. As organizations compete more aggressively for e-Business savvy managers, there are significant career opportunities

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for those individuals skilled in this dynamic and evolving business practice. These activities represent a significant and escalating area of organizational spending. Despite the magnitude and importance of this business practice, practitioners frequently express dissatisfaction with the process, outcomes and the availability of individuals who are prepared to manage in this arena. This certificate prepares graduates as future economy participants to capitalize on this swiftly moving business model by offering a hybrid of cross-functional, Internet enhanced classroom learning experiences designed to provide exposure to the most important drivers of this emerging field.

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Coggin College of Business Centers

Welcome to Coggin College Business Centers. These business & research centers play a part in our faculties research and help support the local Jacksonville community with important economic, educational and business data.

Bank of America Institute

The Bank of America Institute was created to furnish research and information regarding the integration, management, and deployment of technology to the financial services industry. The institute was made possible by a contribution from Bank of America, one of the Nation's largest financial services companies. It occupies a link between the Coggin College of Business and the College of Computing, Engineering and Construction. This link fosters interdisciplinary research by focusing faculty and student expertise from both colleges upon management and information technology issues relevant to the financial services industry.

[Center for International Business Studies \(CIBS\)](#)

The Center for International Business Studies (CIBS) is the research arm of the International Business Flagship Program at the Coggin College of Business. CIBS pursues academic and research activities that enhance and enrich the International Business Program. These activities include research conferences, visiting faculty members, seminars, and other research activities that foster the interaction of our faculty members and students with their colleagues at our partner universities. CIBS promotes research in International Business for every discipline in the Coggin College of Business as well as interaction with the Business Community of Northeast Florida.

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[Local Economic Indicator Project \(LEIP\)](#)

The Local Economic Indicator Project (LEIP) collects first run data for key macroeconomic variables for the Jacksonville MSA. These data allow LEIP to analyze price changes in order to measure CPI inflation, adjust unemployment rates for seasonality, and produce an index of leading indicators. LEIP monitors economic and business data for the local Jacksonville area, the State of Florida, the United States, and the world. Contact: Dr. Albert Loh
- Director; cloh@unf.edu

[The Paper Institute \(PAPER\)](#)

The Paper And Plastics Education Research (PAPER) Institute's mission is to encourage and support the University of North Florida Coggin College of Business faculty in their research, education, and development endeavors that integrate academic pursuits relevant to the National Paper Trade Alliance (NPTA) and its membership.

[Research Center in Economics and Geographic Information Systems](#)

The Research Center in Economics and Geographical Information Systems is dedicated to providing high quality economic and geographic analysis to help businesses and government agencies in Northeast Florida improve their economic planning and forecasting. Its primary mission is to:

- Develop and create institutional relationships with the local community
- Foster community related research projects by providing an active link between the faculty research interests and community needs
- Conduct economic and geospatial related projects that are important to the Northeast Florida region
- Disseminate research results at the local, state and national levels

[Florida Small Business Development Center \(FSBDC\) at UNF](#)

The Florida SBDC at UNF assists potential and existing business owners by providing the no-cost consulting, low-cost training and

information they need to start, grow, and succeed. The Florida SBDC at UNF serves 18 counties from offices in Jacksonville, Orange Park, St. Augustine, Yulee, Live Oak, Palatka, and Ocala and is part of the Florida SBDC Network and America's Small Business Development Centers.

Major: Transportation and Logistics

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required in all prerequisites

ACG2021 Prin of Financial Accounting (3 Credits)

Prerequisite required: MAC 1105. Acceptable Substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Prerequisite required: ACG 2021 and MAC 1105.
Acceptable substitute: (2-3 credit hours) ACGX071, ACGX072 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 hours) BULX241, BULX131, CGSX100, CGSX530, CGSX570, CGSX060, CGSX092, CGSX531, CGSX000, CGSX100C, GEBX350, ISMX000 MANX440 or PHIX600 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Prerequisite required: MAC 1105. Acceptable substitute: (3-4 credit hours) MACX233, MACX311 or MACX281

STA2023 (GM) Elem Statistics-Business (3 Credits)

Prerequisite required: MAC 1105. Acceptable substitute: (3-4 credit hours) STAX023, STA122, STAX024, STA032, STAX037, QMBX100, EGSX025 or ESIX213

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (18 credits)

18 semester hours are required. Grade of C or better is required in all major coursework. *TRA courses are generally not offered in the summer.*

MAN4550 Introduction to Mngmt Science (3 Credits)

Prerequisite(s) required: MAC 2233 and STA 2023

TRA3035 Foundations of Transportation (3 Credits)

TRA4202 Logistics Systems Management (3 Credits)

Prerequisite(s) required: STA2023

TRA4210 Logistics Subsystems Analysis (3 Credits)

TRA4721 International Logistics (3 Credits)

SCM4155 Supply Chain Management (3 Credits)

Course previously under TRA4155 subject/course number.

Prerequisites: TRA3035 and TRA4202 OR 4210

Major Electives (9 credits)

Grade of "C" or better required in major electives.

SELECT TWO Courses: TRA Electives

- TRA4132 Purchasing Management
- TRA4139 Sem:Puchasing Materials Mgmt (prerequisite: TRA4461)
- TRA4945 Logistics Internship (consult Logistics Program Director)
- TRA4234 Warehouse Management (prerequisites: MAR3023 MAN3504 and TRA3035)
- SCM4170 Supply Chain Management Strategy, Leadership & Business Applications
- TRA4956 Study Abroad in Logistics (consult Coggin Study Abroad office)

SELECT ONE Course: Non-TRA Electives

- ACG4361 Cost Accounting (prerequisites: ACG2071 and CGS 1100)
- GIS3043 Introduction to Geographic Information Systems
- MAR4721 Digital Marketing Strat (prerequisite: MAR3023)
- MAR4615 Introduction to Marketing Analytics (prerequisite: MAR3023)
- ISM4011 Introduction to Information Systems (prerequisites: MAN3025 and CGS1100)

Required Business (9 credits)

9 semester hours are required.

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023

CHOOSE Choose one course

ECO 3704 International Trade (prerequisite required:
ECO 2023), FIN 4604 International Finance
(prerequisite: FIN 3403), MAN 4600 International
Management (prerequisite: MAN 3025), or MAR 4156
International Marketing (prerequisite: MAR 3023)

SELECT select one

business course 3000 - 4000 level with the prefix of:
ACG/BUL/ECO/ECP/ECS/FIN/GEB/GEO/
ISM/MAN/MAR/QMB/REE/RMI/TAX (except ECO3411)
Consult the UNF Catalog for course prerequisites.

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required
for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or
Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the
list on the Coggin Advising website



College of Arts and Sciences Overview

Location: Building 51, Room 3301

Phone: (904) 620-2560

Web Address: www.unf.edu/coas/

Dean's Office

George Rainbolt, Dean

Lev Gasparov, Associate Dean for Faculty Advancement

Natasha Christie, Interim Associate Dean for Student Learning

Amanda Lovins, Associate Director for Staff Support and Administration

Beth Clements, Scheduling Coordinator

Ricarla Jackson, Personnel Coordinator

Alicia Erchul, Budget Coordinator

Chellie Jones-Harris, Administrative Assistant for Staff and Budget Support

Anne-Marie Campbell, Director of Development

Kyle Enriquez-Musser, Assistant Director of Development

Vision

The College of Arts and Sciences at the University of North Florida distinguishes itself through its commitment to the success of students, faculty, and staff. We foster a diverse environment centered on critical thinking and creative discovery for the benefit of the individual and the advancement of society. Building on a commitment to academic freedom, humility, humanity, and integrity, our high-quality educational programs, research, and creative

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activities lead to national and international recognition.

Undergraduate Programs

The College of Arts and Sciences is the bedrock of the University of North Florida just as the liberal arts curriculum is at the very center of the University's mission. What students acquire through their engagement with the liberal arts is a sense of their place within the universe, whether that universe is defined in physical, social, moral, or aesthetic terms. It is for this reason that general education, provided largely by the College of Arts and Sciences, is the foundation for all further University study. It is why premier graduate and professional schools continue to give admissions preference to students who choose to major in one of the liberal arts even if they intend to pursue advanced study in a technical or professional field.

The curriculum of the College of Arts and Science is rich and deep. In the complex world of the 21st century, a grounding in the liberal arts is more urgent than ever as we encounter, at an ever-faster pace, challenges to our experience and understanding that we could not have anticipated a short while ago.

Graduate Programs

The College of Arts and Sciences has nine graduate programs among its educational offerings. Master's degrees are offered in Biology, Criminal Justice, English, History, Mathematics/Statistics, Music, Public Administration, Psychology, and Social Work (two degrees are offered in Biology). Given the mission of the University, many of these degrees are focused on the applied and practical. They are constructed to serve graduate students who seek to attain the advanced education necessary for securing high-quality employment or advancement. Many of our graduates occupy positions of leadership within the City of Jacksonville, regional industry, and UNF itself. Students seeking master's degrees at UNF have also been very successful when they subsequently choose to pursue doctoral programs at other institutions. The College of Arts and Sciences has some of the most venerable and well-established graduate programs in the University, and we take great pride in helping our graduate students meet their personal and professional aspirations.

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College of Arts and Sciences

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Phone: (904) 620-2560

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Mailing Address:

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1 UNF Drive, Building 51

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Dean's Office

George Rainbolt, Dean

Lev Gasparov, Associate Dean for Faculty Advancement

Natasha Christie, Interim Associate Dean for Student Learning

Amanda Lovins, Associate Director for Staff Support and Administration

Beth Clements, Scheduling Coordinator

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Alicia Erchul, Budget Coordinator

Chellie Jones-Harris, Administrative Assistant for Staff and Budget Support

Anne-Marie Campbell, Director of Development

Kyle Enriquez-Musser, Assistant Director of Development

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[Academic Advising](#)

Location: Building 51, Room 2500

Phone: (904) 620-2797

Fax: (904) 620-2799

[Department of Art, Art History and Design](#)

Location: Building 45, Room 2022

Phone: (904) 620-4037

Fax: (904) 620-4038

[Department of Biology](#)

Location: Building 59, Room 1300

Phone: (904) 620-2830

Fax: (904) 620-3885

[Department of Chemistry](#)

Location: Building 50, Room 3400

Phone: (904) 620-3504

Fax: (904) 620-3535

[School of Communication](#)

Location: Building 14, Room 2002

Phone: (904) 620-2651

Fax: (904) 620-2652

[Department of Criminology and Criminal Justice](#)

Location: Building 51, Room 2310

Phone: (904) 620-1724

Fax: (904) 620-1718

[Department of English](#)

Location: Building 8, Room 2601

Phone: (904) 620-2273

Fax: (904) 620-3940

[Department of History](#)

Location: Building 9, Room 2501

Phone: (904) 620-2886

Fax: (904) 620-1018

[International Studies Program](#)

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Interdisciplinary
Opportunities

Location: Building 10, Room 2139

Phone: (904) 620-1242

Fax: (904) 620-2288

[Department of Languages, Literatures and Cultures](#)

Location: Building 10, Room 2425

Phone: (904) 620-2282

[Department of Mathematics and Statistics](#)

Location: Building 14, Room 2731

Phone: (904) 620-2653

Fax: (904) 620-2818

[School of Music](#)

Location: Building 45, Room 2004

Phone: (904) 620-2960

Fax: (904) 620-2568

[Department of Philosophy and Religious Studies](#)

Location: Building 10, Room 2325

Phone: (904) 620-1330

Fax: (904) 620-1840

[Department of Physics](#)

Location: Building 50, Room 2600

Phone: (904) 620-2729

[Department of Political Science and Public Administration](#)

Location: Building 51, Room 2407

Phone: (904) 620-2997

Fax: (904) 620-2979

[Department of Psychology](#)

Location: Building 51, Room 3404

Phone: (904) 620-2807

Fax: (904) 620-2540

[Department of Sociology, Anthropology, and Social Work](#)

Location: Building 51, Room 2304

Phone: (904) 620-2850

Fax: (904) 620-2540



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Degree Evaluation and Dean's Hold

Upon receiving the letter of transfer admissions to UNF or upon earning 60 credit hours as a lower division UNF native student, all students must arrange to meet with an academic advisor to obtain a Degree Evaluation. Students will receive an advising hold on their account upon admissions to UNF. This hold will be removed during the initial advising appointment.

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Transfer Hours

The College of Arts and Sciences will only accept the transfer of upper-level courses from regionally accredited institutions, and only with the prior approval of the appropriate Department Chair.

Students must provide a syllabus for each individual course; the Department Chair will decide, based on a review of learning outcomes, if the standards of equivalency have been met. All courses approved for transfer must have a grade of "C" or better (unless higher grades are specified by the academic major).

Transfer is limited to 6 credit hours or 2 courses within the major (this includes all core, major requirements and major electives found on your degree evaluation) unless from an approved study abroad program or unless the Department Chair seeks a policy exception.

For additional information please contact your Academic Advisor.

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Credit Validation for Course Work Completed more than Ten Years Ago

The College of Arts and Sciences requires that a student who has taken courses for his/her major more than ten years prior to the completion of a baccalaureate degree program must petition the chair of his/her major department to validate these courses before Academic Advising will apply them toward the student's fulfillment of degree requirements. (In some cases, departments may require students to petition for validation of courses -- such as those in the natural sciences, languages, music, or art-- that are more than three years old. A placement exam may also be given to determine level of knowledge.) This policy applies to courses taken at UNF and elsewhere; all transfer courses always go to the major department chair for approval in the form of a course syllabus, but those that were taken more than ten years prior to the completion of the degree must be re-approved by the department chair.

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Admissions from a Non-Degree or Special Student Status for COAS Majors

Students seeking a bachelor's degree from the College of Arts and Sciences should meet all admission deadlines and policies to enroll as degree-seeking students. Students who are permitted to register as non-degree/non-admitted students or special students (see Admissions section of catalog for policies and procedures) may apply to degree seeking status after one semester. No more than 12 credit hours (or one semester) earned as a non-degree/non-admitted student or special student may be transferred to an undergraduate degree program in the College of Arts and Sciences.

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Students Admitted with less than 2.0 Grade Point Average

Students given special admissions to major in the College of Arts and Sciences with a GPA below 2.0 are automatically placed on academic probation. Conditions for probation are outlined by the Chairperson for the major department and must be satisfied by the end of the first semester as a major in the College to avoid suspension.

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Completion of General Education before Senior Year

The College of Arts and Sciences will require native and transfer students to complete ALL general education deficiencies before earning 90 overall hours, including transfer hours. Students are informed of general education deficiencies upon meeting with an advisor. Students who defer completion of general education may be placed on hold until their deficiencies have been satisfied.

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First Day Attendance Policy

Students must attend the first day of each enrolled class during any given semester. All academic departments in the College of Arts and

Sciences have the right to administratively withdraw any student who fails to attend the first day of class or who fails to notify the academic department chairperson in advance if a class is to be missed.

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Cultural Diversity Policy

Cultural diversity course offerings are listed each semester in the online schedule. Culture diversity courses (unless indicated with a "FC" prefix) may not satisfy the College of Arts & Sciences Foreign Culture requirement.

Foreign Language/Foreign Culture Requirement for Bachelor of Arts Majors

Before being certified to graduate, all Bachelor of Arts majors in the College of Arts and Sciences must complete the Foreign Language/Foreign Culture requirement. Students who have completed two years of a foreign language in high school are still required to complete the Arts and Sciences Foreign Language/Foreign Culture requirement.

Students may complete this requirement by choosing one of the following options. All courses must be completed with grades of "C" or above.

1. Study of a Foreign Language

Eight semester hours of a sequential foreign language at the introductory level

-or -

2. Demonstrated proficiency in a foreign language equivalent to at least 8 semester hours at the introductory level. Students may prove proficiency in a foreign language through successful scores on the foreign language area of the College-Level Examination Program (CLEP). To prove proficiency in a heritage language other than English, students must submit a valid high school academic transcript from their home country.

-or-

3. Students who have completed two years of a foreign language in high school are still required to complete the Arts and Sciences Foreign Language/Foreign Culture requirement. Incoming students

with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy this requirement by earning a “C” or above (Students who place beyond the beginning level in French, Spanish or Chinese may be eligible for retroactive credit as per the department retroactive credit policy.

-or-

4. Study of 6 semester hours of foreign culture courses that have the FC designation in the course title. A list of foreign culture courses is available each semester in the Advising Office, Building 51, Room 2500.

-or-

5. Eight semester hours of American Sign Language.

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Double Counting Foreign Culture Courses

Courses may be taken to fulfill both a foreign culture requirement and towards the major or minor requirements. Students minoring in International Studies may only double count one foreign culture course. Cultural diversity courses may not double count to satisfy the Foreign Culture requirement. A list of approved Foreign Culture courses are found in the College of Arts & Sciences Advising Office each semester. Grades of “C” or above required in all foreign culture courses.

What is a Foreign Culture Course?

The common goal of both foreign language and foreign culture courses is that students begin to think from a point of view beyond that of their own culture. In gaining an appreciation of the many ways humans live together, adapt to their environment, and express their values and aspirations, we also develop new insight into our own culture. The study of foreign languages gives us the key to another culture. Fluency provides direct access to the cultural, intellectual, technical and economic heritage of peoples beyond our own small circles. Foreign culture courses explore one or several cultures in depth, including the perspective of the people themselves. These courses are interdisciplinary in that culture is interpreted broadly — with aspects ranging from the economic to the religious — and emphasizing the culture’s internal diversity. Students will have the opportunity to compare other cultures to their own.

Double Majors within the College of Arts and Sciences

At the discretion of individual departments, specific courses may double count to satisfy requirements for either degree. The number of courses that can double count may be limited for interdisciplinary majors such as International Studies.

1. All double majors must complete the foreign language/foreign culture requirement, prerequisites, major requirements, major electives, capstone/internship requirements (if applicable) and any outstanding general education requirements for both majors with grades of “C” or above (or whatever grade policy either major specifies).
2. Double majors do not have to complete a minor.
3. A minimum of 120 overall credit hours must be completed (at least 48 hours must be upper level.)
4. Once the degree has been awarded in the double majors, subsequent course work cannot be added to create a second degree as a post-baccalaureate or master’s student.
5. Double majors must be declared by visiting the Academic Advising Office in Building 51, Room 2500.

Simultaneous/Dual Degrees Across Colleges

Students in the College of Arts and Sciences may pursue two simultaneous/dual undergraduate degrees across colleges if the second college agrees to the arrangement. A simultaneous or dual degree student is defined as one who completes requirements for two different degrees simultaneously whether in the same college or across colleges, i.e. earning a B.F.A. degree while also earning a B.A. degree, etc.

Note: The College of Education and Human Services will not allow simultaneous/dual majors in any education major. Requirements for the simultaneous/dual degree are as follows:

1. Students must complete all requirements for both degrees with grades of “C” or above (or whatever grade point average is required for both simultaneous/dual majors). Students do not need to fulfill the required minor when pursuing a dual degree, if a minor was

required of their COAS degree.

2. All specific graduation requirements for both majors must be completed, including the foreign language/foreign culture requirement, any internships, prerequisites, etc.
3. At the discretion of individual departments, specific courses may double count to satisfy requirements for either degree. The number of courses that can double count may be limited for interdisciplinary majors such as International Studies.
4. The simultaneous/dual major must be declared by visiting the Academic Advising Office in Building 51, Room 2500.
5. Students must meet with both academic advisors to obtain Degree Evaluations for both simultaneous/dual majors.

Note: Declared simultaneous/dual majors who decide to return to a single undergraduate major cannot later use the courses taken for the second major towards completion of a post-baccalaureate or master's degree once the first undergraduate degree has been awarded.

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Students Pursuing Both the Bachelor of Arts in Art (All Concentrations) and the Bachelor of Fine Arts (All Concentrations)

Art concentrations are only specialties within the major. Students *MAY NOT* enroll in more than one B.A. in Art or B.F.A. in Fine Arts concentration. Instead, students may complete the B.A. in one major while simultaneously completing the B.F.A. in the other major. Students needing more clarification about this policy should consult their academic advisor. Students should be aware that all areas of the major, including the minor, contextual and the foreign language/foreign culture requirement required in the B.A. degree, must be completed with grades of "C" or above. Courses may not double count towards completion of either major or minor. Individual courses are needed for each requirement.

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Concurrent Enrollment and Transient Enrollment

Students planning to enroll in courses in transient at another State of Florida public university, community college or college must complete the Transient Form through www.floridashines.org.

Students must first set up a pin number in order to access www.floridashines.org. A pin number may be requested through the Facts Pin Management system found in Student Self-Service through myWings. A final official transcript must be forwarded to One Stop Student Services upon completion of all transient courses. Enrollment at a private or out-of-state university or college will require completion of the hard copy UNF Concurrent Enrollment form prior to enrolling in the transfer course. Only courses which are degree applicable can be approved.

Students may NOT take courses at another institution in their final semester at UNF. This includes online, distance learning, correspondence courses and CLEP examinations. Students who risk taking courses during their final semester will need to provide official transcripts to One Stop Student Services by the last date of the semester. Students whose transcripts are not received by the deadline published for the semester of graduation will not be granted an extension of the deadline and must reapply for the next term's graduation.

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CLEP Credit

Students desiring to satisfy general education, prerequisite requirements or other acceptable lower level requirements using the [College Level Examination Program \(CLEP\)](#) must obtain the approval of their-academic advisor. Students should be aware that the CLEP does not award upper level credit.

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Prerequisites and Corequisites

(Prerequisite = taken before; corequisite = taken at the same time.)

Students must complete all prerequisites required for individual courses and major programs. All prerequisites require grades of "C" or above. Faculty have discretionary authority to dismiss any student from a course who has not completed necessary course prerequisites. Fees will not be refunded for dismissal from a course by an instructor due to lack of required prerequisites or corequisites unless it occurs during the week of Drop/Add.

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Incomplete Grades

Faculty in the College of Arts and Sciences are not required to give incomplete ("I") grades. If an "I" is assigned, a substantial portion of the course work must have been completed with a passing grade. The time limit to remove an "I" grade is determined by the faculty but cannot exceed one academic year or graduation, whichever comes first. After the allotted time has run out, all incomplete grades turn to "F's" which are calculated in the cumulative grade point average. Students may not re-register for any course in which an incomplete grade was received but must arrange to participate in the course by approval of the faculty teaching the course in which the "I" was received. Students may not graduate with outstanding "I" grades whether or not the course is needed for graduation.

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Overload Policy

Students who desire to register for 21 or more credit hours during any term will need electronic overload approval from the College of Arts and Sciences Dean's Office via a Waiver of University Policy. A cumulative UNF GPA of 3.0 or above will be required before overload approval is granted.

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Change of Major

Students interested in changing to a major in the College of Arts and Sciences must first possess a 2.0 cumulative GPA. Students should review the UNF catalog to determine major options and the requirements for any majors of interest. Exploratory students should arrange to meet with a Career Counselor in the Office of Career Services to explore major and career options. Majors may also be explored on-line at [UNF Career Services](#). Once the major is decided, you will need to meet with your academic advisor to submit an official change of major request. Please note that there are restrictions for change of majors for seniors (with 90 or more credit hours completed). See this link for more information: [Degree Progression and Change of Major Policy](#).

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Declaration of Concentrations and Minors

Majors in Art, Biology, Chemistry, Communication, Fine Arts, Music, Philosophy, Physics and Political Science must declare a concentration (see list of concentrations in the department section). Students pursuing a Bachelor of Arts degree must declare a minor selected from the [approved list of minors](#). Concentrations and minors may be officially declared by meeting with an academic advisor. Students may declare multiple minors with approval of their advisor but may not declare multiple concentrations.

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Suspension Policy

Students who do not satisfy the conditions of academic probation may be placed on a first academic suspension for a period of one academic semester. Release from suspension will require the approval of the department chairperson after a mandatory meeting with the College's Suspension Review Committee. The Suspension Review Committee will make a recommendation to the department chairperson on whether to continue suspension or reinstate probation. Students continued on probation will need to arrange an advising session with an Academic Advisor to obtain an updated Degree Evaluation. However, the Department chairperson has the option to deny re-admissions to the major if the GPA is too low.

Students who receive a second academic suspension action may not be eligible to take courses for a period of two semesters. A third academic suspension action results in a year's suspension. A year's academic suspension will break UNF's "continuous enrollment" policy and will require re-admissions to UNF through One Stop Student Services. Students who attempt to return to UNF after being suspended for a year will require review by the academic department and are not guaranteed re-admissions to the major.

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Former Students Returning Not in Good Standing

Former students not in good standing must file a request for re-admissions in One Stop Student Services 10 weeks prior to the deadline for re-admissions for the term they wish to enroll.

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Graduation

In order to qualify for graduation, undergraduate students must earn a minimum of 120 credit hours with at least 48 upper hours. All applicable Gordon Rule, prerequisite, requisite, general education, major, minor, contextual, capstone/internships (if applicable), and foreign language/foreign culture requirements (if applicable), must be completed with grades of "C" or above. Post-Baccalaureate students must earn a minimum of 30 upper level hours and complete all prerequisites, major requirements, major electives, and capstone/internship requirements (if applicable) with grades of "C" or above.

Students must apply for graduation (at the beginning of their final semester) by the date advertised in Osprey Update and the [Academic Calendar](#). You may apply online in [myWings](#) by signing into Student Self-Service, then selecting Student Records, then Graduation Application. If you are applying after the deadline, please see your academic advisor to complete a paper Graduation Application. Failure to apply for graduation on time may result in your receiving a reduced number of commencement tickets, affect your ability to graduate that term, and can result in a delay in receiving your diploma.

Arts and Sciences majors may not take courses at other institutions during the semester of graduation. Special exceptions, such as relocation of students who are subject to military obligations, may be reviewed by petition by the Arts and Sciences Dean's Office. All final official transcripts must be received and processed in One Stop Student Services prior to the final day of the semester of graduation. If official transcripts are not received by the deadline, students must reapply for the following term of graduation.

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College of Arts and Sciences Undergraduate Degree Requirements

Requirements for the Bachelor's Degree

A minimum of 120 credit hours is required for the bachelor's degree. A minimum of 48 upper level credit hours is required to qualify for the undergraduate bachelor's degree.

Students pursuing a bachelor's degree as a post-baccalaureate must complete a minimum of 30 upper level hours and all hours required to complete the degree. All prerequisites, core requirements, major requirements, major electives and contextuials (if any) must be completed to qualify for the degree. Any prerequisites required for the program or for individual courses are not included in the minimum 30 upper level semester hour requirement. Courses completed in any previous degree will not satisfy credit hours needed to complete the post-baccalaureate degree (a minimum of 30 upper level hours will still be required).

The Bachelor of Arts Degree

All Bachelor of Arts degree students must complete both a major and a minor and satisfy the college's foreign language/foreign culture requirement. The major must include at least 24 upper-level credit hours.

The Bachelor of Fine Arts Degree

All Bachelor of Fine Arts degree students must complete all prerequisites and major requirements with a focus on developing artistic awareness, studio competence and historic and philosophical

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perspective.

The Bachelor of Music Degree

All Bachelor of Music degree students must complete all prerequisites and major requirements with concentrations in Jazz Studies and Performance.

The Bachelor of Music Education Degree

All Bachelor of Music Education degree students must complete all prerequisites and major requirements for a total of 120 semester hours and a minimum GPA of 2.5. Admission into Music Education also requires a minimum of 60 semester hours or a state of Florida AA degree with a grade point average of 2.50 or better and passing scores on all four parts of the General Knowledge (GK) test of the Florida Teacher Certification Examination. Passing the Professional Education Test (PEd) and the Subject Area Examination (SAE) in Music K-12 of the Florida Teacher Certification Examination (FTCE) is required for the completion of internship and graduation

The Bachelor of Science Degree

A BS degree requires a combined total of prerequisites and major credits in excess of 45 credit hours on a programmatic focus of theoretical, empirical, or applied research or practice. The College of Arts & Sciences offers the Bachelor of Science degree in Behavioral Neuroscience, Biology, Chemistry, Communication, Mathematics, Physics, Psychology and Statistics.

The Bachelor of Social Work Degree

The BSW degree program prepares students with the generalist knowledge, values, and skills to provide effective social work services to diverse client systems in a variety of practice settings. Our curriculum is designed to enhance students' understanding of and sensitivity to economic and social inequalities and foster commitment to serving and advocating for the well-being of those who are vulnerable, marginalized, and oppressed. Students must have a minimum of a 2.5 GPA to be admitted, retained and graduated from the BSW program.

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Foreign Language/Foreign Culture

State of Florida Foreign Language Requirement

Students in the Florida state university system are expected to have studied for two years (or the equivalent) in a second language, including American Sign Language, or to document one of the exceptions enumerated in Florida Statutes 1007.261-262.

Language and Culture Studies (LCS) or Foreign Culture (FC) Requirement for Bachelor of Arts Majors

Separate from the Florida Statutes, the College of Arts and Sciences at UNF requires B.A. degree-earning students to complete coursework—with grades of C or higher—in a language other than English (3-8 credit hours, depending on current proficiency) or in English-language classes with the 'Foreign Culture' (FC) designation (6 credit hours). B.A. degree-seeking students at UNF may fulfill this COAS graduation requirement at any point of their UNF career. They should do so in addition to having previously fulfilled or waived the state language requirements for SUS admission. Please note that it is advisable for students to continue building on prior studies in a second language, or to begin new language and culture studies, as early in their UNF careers as possible.

Continuing, or beginning, with studies in a second language offers students important social, academic, and professional advantages and opportunities. These include developing diverse networks across campus, building bilingual reading knowledge, contributing to research/creative projects in another language, preparing to compete in multilingual job markets and, in various career fields, gaining proficiencies to negotiate higher salaries. Therefore, we recommend that all students, regardless of major, exceed the Florida/COAS requirements and seek to achieve, at minimum, intermediate proficiency in a language other than English. UNF offers programs in Spanish/Hispanic Studies, French & Francophone Studies, or Chinese & Sino-Asian Culture. Students are encouraged to contact the Department of Languages, Literatures, and Cultures with questions or for help with placement.

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Options for completing the Language and Culture Studies (LCS) or Foreign Culture (FC) requirement:

Option #1: Language and Culture Studies (3-8 credits of coursework in a language other than English, depending on current proficiency)

Students placing at the intermediate (2000) level of a language or higher will only need to complete three hours of coursework at UNF (one class) to complete this requirement. Students placing at the beginning (1000) level of a language will need to complete 7-8 hours of coursework (two classes). As long as you have had prior experience in a language, there is a good chance that you will not need to complete the full eight hours of coursework to complete the Language and Culture Studies requirement. Information on how students can apply for retroactive credit in Spanish, French, or Mandarin can be found [here](#).

Students who took 2-3 years in high school can generally place at the Intermediate level. Students who grew up speaking Chinese, French or Spanish, or otherwise have had extensive experience with those languages, usually can place at the Intermediate or 3000 level. UNF offers upper-level courses specifically designed for students who grew up speaking Spanish but may have limited experience in reading and writing in that language.

Building on prior studies in a second language—or beginning to build proficiency in a new second (or third) language—combines (1) learning about other cultures from a participatory perspective, (2) developing in-demand soft skills (communicative, social, technical, and analytical), and (3) making progress in verbal and written language proficiency that is measurable by [benchmarks](#) recognized throughout the public and private sectors, i.e., those defined by the American Council on the Teaching of Foreign Languages.

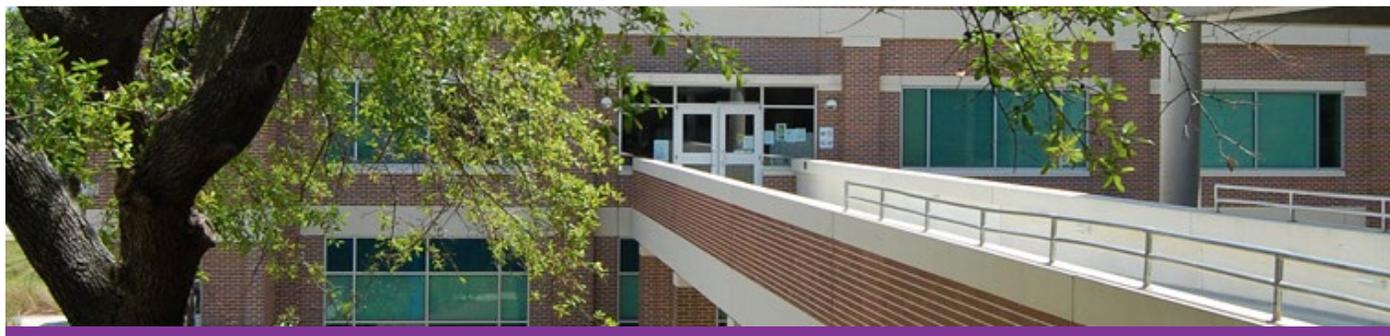
Notes:

- Faculty from the Department of Languages, Literatures, and Cultures (LLC) welcome the opportunity to consult with students to find coursework in Spanish/Hispanic Studies, French/Francophone Studies, or Mandarin/Sino-Asian Studies, that suits their current proficiency level, interests, and goals. Please contact the LLC chairperson for information about placement and, if desired, to arrange a faculty consultation.

- Students who place into language coursework at the intermediate (2000) or advanced (3000) level may apply for retroactive credit after successfully completing a language course at the intermediate or higher level. This allows most B.A. degree-earning students who studied another language in high school or community college to make meaningful progress while fulfilling the COAS LCS/FC requirement with just one three-hour course. It also makes completing a language minor, a professional certificate in the language, or (double) major, achievable within most degree-earning time frames.
- Students who took two years or more of Spanish, French, or Chinese in high school can place directly into the intermediate level at UNF.
- Students who grew up in Spanish (native or heritage speakers) typically begin in SPN3350 Spanish for Heritage Speakers, SPN3351 Communication and Communities for Heritage Speakers, or SPW3030 Introduction to Literature in Spanish.
- Please note that all UNF language courses incorporate cultural studies in the target language and promote measurable written and verbal proficiency in intercultural communication, in accordance with the ACTFL guidelines.
- Multilingual students may request a Language Proficiency Approval waiver through the Department of Languages, Literatures, and Cultures. Specified official documentation verifying advanced proficiency in a second language must be provided to support such a request.

Option #2: Foreign-Culture Coursework (6 credits)

Foreign-culture courses (FC) propose studies of one or several cultures in an English-language format. Students may complete the LCS/FC requirement by studying 6 semester hours of courses that have the FC designation in the course title.



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- [Biology - Ecology and Evolution Biology, BS](#)
- [Biology - Molecular/Cell Bio. & Biotech, BS](#)
- [Chemistry - Biochemistry, BS](#)
- [Chemistry - Materials Chemistry, BS](#)
- [Chemistry - Pre-Medical Professions, BS](#)
- [Chemistry, BS](#)
- [Communication - Advertising, BS](#)
- [Communication - Digital Video Production, BS](#)
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- [French and Francophone Studies, BA](#)
- [Graphic Design and Digital Media, BFA](#)
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- Music Jazz Studies, BM
- Music Performance - Music-Classical Piano, BM
- Music Performance - Music-Classical Voice, BM
- Music Performance - Music-Harp, BM
- Music Performance - Music-Strings, BM
- Music Performance - Music Technology and Production, BM
- Music Performance - Music-Woodwinds, Brass, Percussion, BM
- Music Performance - Piano Performance and Pedagogy, BM
- Philosophy - General Philosophical Studies, BA
- Philosophy - Legal-Political-Social Studies, BA
- Philosophy - Studies in Applied Ethics, BA
- Physics - Astrophysics, BS
- Physics - Civil Engineering, BS
- Physics - Computing Emphasis, BS
- Physics - Electrical Engineering, BS
- Physics - Materials Science, BS
- Physics - Mechanical Engineering, BS
- Physics - Pre-Medical Physics, BS
- Physics, BS
- Political Science - American Politics, BA
- Political Science - General Political Science, BA
- Political Science - Int'l Rel/Comparative Politics, BA
- Political Science - Public Admin/Public Policy, BA
- Political Science - Public Law, BA
- Psychology - Child Psychology, BA
- Psychology - Child Psychology, BS
- Psychology, BA
- Psychology, BS
- Religious Studies, BA
- Social Work, BSW
- Sociology, BA
- Spanish, BA
- Statistics, BA
- Statistics, BS
- Statistics - Actuarial Science, BS

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- African Amer Studies/Diaspora
- Ancient Studies
- Anthropology
- Applied Statistics
- Art History
- Asian Studies
- Biology
- Ceramics
- Chemistry
- Chinese
- Communication Studies
- Creative Writing
- Criminal Justice
- Culture and Philosophy
- Digital Humanities
- Film
- French
- Gender Studies
- History
- Interdisciplinary Studies
- International Studies
- Jewish Studies
- Law and Philosophy
- Literature
- Mass Communication
- Math for non-math majors
- Mathematical Science
- Painting, Drawing, Printmaking
- Philosophy
- Photography

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- Public Administration
- Religious Studies
- Social Welfare
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- Spanish
- Statistics
- Statistics for non-math majors
- Studies in Applied Ethics
- Urban & Metropolitan Studies

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- [Performers Certificate Music Program, CB](#)
- [Music Technology Certificate, CU](#)
- [Post-Bacc Pre-Med Certificate, CB](#)
- [Sacred Music Certificate, CU](#)
- [Conducting Certificate](#)
- [Statistical Analysis Certificate](#)
- [Biotechnology Certificate, CU](#)
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- [Biology - Biomedical Sciences, MS](#)
- [Communication Management - Business, MS](#)
- [Communication Management - Leadership, MS](#)
- [Communication Management - Nonprofit Management, MS](#)
- [Communication Management - Public Health, MS](#)
- [Communication Management - Public Management, MS](#)
- [Criminal Justice, MSCJ](#)
- [English - Composition and Rhetoric, MA](#)
- [English, MA](#)
- [History - Thesis, MA](#)
- [History - Non-Thesis, MA](#)
- [International Affairs, MA](#)
- [Mathematical Science - Mathematics, MS](#)
- [Mathematical Science - Statistics, MS](#)
- [Music Education, - Pedagogy and Research, MME](#)
- [Music Education - Professional Education, MME](#)
- [Music Performance - Conducting, MM](#)
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- [Music Performance - Jazz Studies, MM](#)
- [Music Performance - Woodwinds, Brass, Percussion, MM](#)
- [Psychological Science, MS](#)
- [Public Administration - Generalist Option, MPA](#)
- [Public Administration - Health Administration, MPA](#)
- [Public Administration - Local Government Policy & Adm, MPA](#)
- [Public Administration - National Security, MPA](#)
- [Public Administration - Non-Profit Management, MPA](#)

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Honors in the Major Program

The Honors Program at UNF is designed for the student who is intellectually mature and seeks the challenge of academic work that is different from the traditional course of study. It offers students a close collegial relationship with the University's top professors and with each other. There are two types of honors programs at the University of North Florida.

- The first is a lower-level program open to freshmen and sophomores offered by the Hicks Honors College.
- The second is the "Honors in the Major" program open to upper-level students in the College of Arts and Sciences.

A student does not have to be in the lower-level Hicks Honors College to enroll in the upper-level "Honors in the Major" program. More information on admission requirements and procedures for applying to the program can be obtained from your academic department.

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Pre-Law Program

Location: Building 51, Room 2117

Phone: (904) 620-1070

Email: prelaw@unf.edu

Web Address: <http://www.unf.edu/coas/prelaw/>

Canvas: <https://canvas.unf.edu/enroll/CPJPYY>

Adrienne Lerner, Director Pre-Law Program

The UNF Pre-Law Program assists current students and alumni interested in attending law school. The program includes events, pre-law advising, curriculum analysis and course selection assistance, law school application and readiness workshops, webinars, experiential learning opportunities, job placement, on-campus interviews with law school admissions representatives, and customized study plans for the Law School Admission Test (LSAT).

The Pre-Law Program works with academic advisors to ensure students take general education requirements and in-major and elective coursework to develop the critical thinking, critical reading, analytic reasoning, and writing skills necessary to thrive in law school and legal practice.

A broad-based university education best prepares students for the rigors of law school. *Law schools seek talented applicants from all backgrounds and academic majors.* Courses in history, philosophy, politics, international studies, business, anthropology, psychology, criminal justice, sociology, economics, and the sciences provide context for advanced inquiry into the U.S. legal system. Courses in mathematics, science, computer science, and engineering sharpen logic and are required for students pursuing careers in Patent Law.

UNF Pre-Law strongly recommends that all students preparing for

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law school take the following courses as part of their [General Education](#) requirements:

*Logic: PHI 2101 Introduction to Logic (GM) and/or PHI 2100 Critical Thinking: The Art of Critical Reasoning (GW)

*Writing: CRW 2000 Introduction to Creative Writing (GW), and/or LIT3213 Critical Reading/Writing I

*Civic Literacy: AMH 2020 United States History since 1877 and/or POS 2041 Introduction to American Government

Students interested in law and policy courses as a part of their major and minor studies should consider the [Public Law](#) concentration of the Political Science major, beginning with POS 3606 The U.S. Supreme Court or POS 3961 American Legal System, and the [Law and Philosophy minor](#) in Philosophy.

Pre-Law events engage students in the law school admissions process, the legal community, and timely legal issues. Workshops help students prepare law school applications and make informed admissions decisions. Representatives from regional law schools conduct on-campus or remote individual student interviews and group workshops. Students interact with local attorneys and judges through internships, research and service-learning projects. Common internships include Jacksonville Area Legal Aid, State Attorney, Public Defender, and the Florida 4th Judicial Circuit Remote Jury Selection Project. Through the Pre-Law Speaker Series and other events, UNF Pre-Law welcomes speakers on legal issues.

The Pre-Law Program supports law-related student organizations, including the Phi Alpha Delta undergraduate law honorary society and UNF Mock Trial. Each year, Pre-Law students host Constitution Week events on campus to educate and engage fellow students on relevant issues.

Each year, UNF Pre-Law offers several scholarships to qualified participants.

Pre-Law welcomes visits and Zoom conferences with prospective students or alumni throughout the year. Visit our [website](#) for more information. Alumni interested in receiving updates about Pre-Law events and workshops should contact prelaw@unf.edu. Online evening office hours accommodate working students and alumni.

Students should join the UNF Pre-Law Canvas page

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(<https://canvas.unf.edu/enroll/CPJPYY>) for information LSAT preparation, applying to law school, and appointments with Pre-Law advising. All Pre-Law events and opportunities, including job postings, are announced through Canvas.



Pre-medical Professions Program

Web Address: <http://www.unf.edu/coas/biomed/>

Elizabeth Stotz-Potter, Ph.D., Biomedical Advisor & Laboratory Lecturer

The College of Arts and Sciences offers a Biomedical Program for pre-professional students preparing for careers in medicine, dentistry, pharmacy, optometry, podiatry, veterinary medicine, physician assistant, laboratory research or other biomedical fields. The Biomedical Program is a support program housed within the Department of Biology that serves all UNF students with biomedical career interests. Program components include: professional school academic/career advising; program advising by professional academic advisors in the College of Arts & Sciences (for students within that College); workshops and information sessions on professional school entrance testing, application processes, interviewing techniques; and research opportunities with UNF Faculty. Students in any major may participate in the Biomedical Program and can gain access to the UNF Biomedical Program Canvas page by self enrolling at: <https://canvas.unf.edu/enroll/7YPEG8>.

The Department of Biology, Department of Chemistry, and Department of Physics each offer tracks within their degree programs that facilitate completion of the necessary courses required for entry into most post-graduate health profession programs while students complete their UNF degree. In addition, pre-professional students are encouraged to broaden their educational experience by participating in the Pre-Med Minor in the Liberal Arts that is offered in collaboration with the Interdisciplinary Studies program. For more information about the minor, email the Biomedical Program.

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A Biomedical Pre-Professional Post-baccalaureate Certificate program is available to post-baccalaureate students who wish to apply to biomedical professional schools. This program is designed for graduates with a degree in a non-science field. Features of the certificate program include all appropriate undergraduate course work, opportunities for advanced course work at UNF, and access to all of the Biomedical Pre-Professional Program components described above. Information regarding the application process can be found on the Biomedical Pre-Professionals website:

https://www.unf.edu/coas/biomed/Post-Baccalaureate_Program.aspx.

Students are encouraged to participate in UNF clubs that reflect their biomedical interests. These clubs include but are not limited to the Biomedical Pre-Professionals (premed) Club, Pre SOMA (students of osteopathic medicine association) Club, Pre Dental Club, Pre PA Club and Pre Vet Club. These service organizations provide peer support and volunteer activities for interested students.

Students interested in meeting with the Pre-medical Professions Advisor may make an appointment on the Biomedical Sciences web page: <https://www.unf.edu/coas/biomed/Advising.aspx> and should also consult the Biomedical Pre-Professionals website for more information about the program.

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Major: Physics

Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
- CHM 2046L General Chemistry II Lab (1 credit)

Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Contextual Courses (6 credits)

COP2220 Programming I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

Major Requirements (36 credits)

Courses must be taken in prerequisite order. Electronic approval for courses requiring prerequisites must be obtained each registration. Grades of C or above must be earned in all physics requirements.

PHY1024 Exploring Majoring in Physics (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049/L; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereq: PHY 2049 and MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

- Prereq: PHZ 3113C

PHY3424C Optics with Laboratory (4 Credits)

- Prereqs: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049/L and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: (PHY 3101 or CHM4410C) and MAC 2313

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY4910

Major Electives (6 credits)

SELECT TWO FROM THE FOLLOWING:

- AST 3217 Astrophysics (4 credits)
- AST 3402 Astrophysics II (4 credits)
- PHZ 4404 Solid State Physics (3 credits)
- PHZ 4160 Adv Topics Physics (4 credits)
- PHZ 4303 Nuclear Physics (3 credits)
- PHY 4660 Introduction to Quantum Field Theory(3 credits)
- PHY 4610 Applications of Quantum Mechanics (3 credits)

Free Electives (12 credits)

SELECT 12 HRS (3000/4000 LEVEL)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Physics
Concentration: Astrophysics
Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
 - CHM 2046L General Chemistry II Lab (1 credit)
- Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Contextual Courses (12 credits)

AST2002 Discovering Astronomy (3 Credits)

COP2220 Programming I (3 Credits)

ESC2000 Discovering Earth Science (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

Major Requirements (40 credits)

Courses must be taken in prerequisite order. Electronic approval for courses requiring prerequisites must be obtained each registration. Grades of C or above must be earned in all physics requirements.

PHY1024 Exploring Majoring in Physics (1 Credit)

AST3217 Astrophysics I (4 Credits)

Prereq: PHY2049; Coreq: PHY3101

AST3402 Astrophysics II (4 Credits)

Prereq: AST 3217

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereq: PHY 2049 and MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY3424C Optics with Laboratory (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY4320 Electricity and Magnetism (4 Credits)

Prereq: PHZ 3113C

PHY3604 Quantum Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: (PHY 3101 or CHM 4410C) and MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101L

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

Major Electives (3 credits)

SELECT ONE FROM THE FOLLOWING:

- PHY 3722C Electronics for Scientists (4 Credits)
- PHZ 4404 Solid State Physics (3 Credits)
- PHZ 4160 Adv Topics Physics (4 Credits)
- PHZ 4303 Nuclear Physics (3 Credits)
- PHY 4660 Introduction to Quantum Field Theory(3 credits)
- PHY 4610 Applications of Quantum Mechanics (3 credits)

Free Electives (5 credits)

SELECT 5 HRS (3000/4000 LEVEL)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Physics
Concentration: Electrical Engineering
Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
 - CHM 2046L General Chemistry II Lab (1 credit)
- Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Contextual Courses (10 credits)

COP2220 Programming I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

MAS3105 (GM) Linear Algebra (4 Credits)

Major Requirements (48 credits)

Courses must be taken in prerequisite order. Electronic approval for courses requiring prerequisites must be obtained each registration. Grades of C or above must be earned in all physics requirements.

PHY1024 Exploring Majoring in Physics (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereqs: PHY 2049 and MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

Prereq: PHZ 3113C

PHY3424C Optics with Laboratory (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

PHZ4404 Solid State Physics (3 Credits)

Prereq: PHY 3101

EEL3111 Circuit Analysis I (3 Credits)

EEL3112 Circuit Analysis II (3 Credits)

EEL3117L Electrical Circuits Laboratory (1 Credit)

EEL3135 Signals and Systems (3 Credits)

EEE3308 Microelectronics I (3 Credits)

EEL3710 Intro to Digital Systems

EEL3701L Intro to Digital Systems Lab (1 Credit)

Major Electives (2 credits)

Grades of C or higher required in all engineering electives.

SELECT 2 HRS @ 3000/4000 LEVEL

- EEL, EEE, PHY, PHZ

Major: Physics

Concentration: Mechanical Engineering

Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
- CHM 2046L General Chemistry II Lab (1 credit)

Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Requisites (6 credits)

COP2220 Programming I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Major Requirements (52 credits)

Courses must be taken in prerequisite order. Electronic approval for courses requiring prerequisites must be obtained each registration. Grades of C or above must be earned in all physics requirements.

PHY1024 Exploring Majoring in Physics (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereqs: PHY 2049 and MAC2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

Prereq: PHY 3113C

PHY3424C Optics with Laboratory (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 3101 or CHM 4410C) and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

- Prereq:PHY3101 and PHZ 3113C

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: PHY 2049, MAC 2313 & MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

EGN3311 Statics (3 Credits)

EGN3331 Strength of Materials (3 Credits)

EML3100 Thermodynamics I (3 Credits)

EGN3203 Modern Computational Methods (3 Credits)

EML3015 Fluids (3 Credits)

EML4304L Thermal Sciences Lab I (1 Credit)

Major Electives (2 credits)

Grades of C or higher are required in all engineering electives.

SELECT 2 HRS @ 3000/4000 LEVEL

- EGN, EML, EMA, PHY, PHZ

Major: Physics
Concentration: Computing Emphasis
Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
- CHM 2046L General Chemistry II Lab (1 credit)

Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Contextual Courses (6 credits)

COP2220 Programming I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

Major Requirements (41 credits)

Courses must be taken in prerequisite order. Electronic approval for courses requiring prerequisites must be obtained each registration. Grades of C or above must be earned in all physics requirements.

PHY1024 Exploring Majoring in Physics (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereqs: PHY 2049 and MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

- Prereq: PHZ3113C

PHY3424C Optics with Laboratory (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

- Prereq: PHZ 3113C

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

COT3100 Computational Structures (3 Credits)

COP3530 Data Structures (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- COP 3404 Introduction to System Software (3 credits)
- CDA 3101 Introduction to Computer Hardware (3 credits)

Major Electives (13 credits)

Grades of C or higher required in all computer science requirements and computer science electives.

SELECT 13 HOURS (3000/4000)

- COT COP CDA

Major: Physics

Concentration: Materials Science

Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
- CHM 2046L General Chemistry II Lab (1 credit)

Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Contextual Courses (11 credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

ORGANIC ORGANIC CHEMISTRY REQUIREMENT

- CHM2210 Organic Chemistry I (3 Credits)
- CHM2210L Organic Chemistry I Lab (1 credit)
- CHM2211 Organic Chemistry II (3 credits)
- CHM2211L Organic Chemistry II Lab (1 credit)

Major Requirements (38 credits)

PHY1024 Exploring Majoring in Physics (1 Credit)

EMA3010 Intro to Materials Science (3 Credits)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

Prereq: PHZ 3113C

PHY3424C Optics with Laboratory (4 Credits)

prereqs: PHY 2049 and MAC 2313

PHY4523 Thermodyn and Statistical Mech (4 Credits)

prereqs: (PHY 3101 or CHM 4410C) and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

Prereq: PHZ 3113C

PHZ3113C Mathematical Physics (4 Credits)

Prereqs: PHY 2049 and MA C2313; Coreq: MAP 2302

PHZ4404 Solid State Physics (3 Credits)

Prereq: PHY 3101

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

Major Electives (15 credits)

Select 11 credits from the list below, no more than 3 credits may be lower level (2000 level)

SELECT 15 credits from list

- PHY3722C Electronics for Scientists (4 credits)
- CHM4410C Physical Chemistry I (4 credits)
- CHM3120C Qualitative Analytical Chemistry (4 credits)
- CHM3610 Inorganic Chemistry (3 credits)
- CHM3610L Inorganic Chemistry Lab (1 credit)
- CHM4627 Solid State Chemistry (3 credits)
- EGN3311 Statics (3 credits)
- EGN3331 Strength of Materials (3 credits)
- EML3100 Thermodynamics I (3 credits)
- EML3101 Thermodynamics II (3 credits)
- EML4930 Material Characterization (1-3 credits)
- EML4320C Integrated Design and Manufacturing (3 credits)
- EML4930 Microstructural Evolution (1-3 credits)
- COP2220 Computer Science I (intro to C) (3 credits)
- COP2551 Intro to OO Programming (Intro to Java) (3 credits)
- COP2010 Intro to V&P Programming (Visual Basic) (3 credits)
- PHY 4610 Applications of Quantum Mechanics (3 credits)

Major: Physics
Concentration: Pre-Medical Physics
Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
 - CHM 2046L General Chemistry II Lab (1 credit)
- Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Contextual Courses (19 credits)

BSC1010C General Biology I (4 Credits)

BSC1011C General Biology II (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

ORGANIC CHEMISTRY REQUIREMENT

- CHM 2210 Organic Chemistry I (3 Credits)
- CHM 2210L Organic Chemistry I lab (1 Credit)
- CHM 2211 Organic Chemistry II (3 Credits)
- CHM 2211L Organic Chemistry II lab (1 Credit)

Major Requirements (36 credits)

Courses must be taken in prerequisite order. Grades of C or above must be earned in all physics requirements.

PHY1024 Exploring Majoring in Physics (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereqs: PHY 2049 and MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

Prereq: PHZ 3113C

PHY3424C Optics with Laboratory (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049 and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: (PHY 3101 or CHM 4410C) and MAC 2313

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

Major Electives (5 credits)

SELECT 5 HRS FROM THE FOLLOWING:

- BSC 2012C Biology III (4 credits)
- BCH 4033 Biochemistry (3 credits)
- BCH 4033L Biochemistry lab (1 credit)
- CHM 3120C Quantitative Analytical Chemistry (4 credits)
- PCB 3023C Molecular & Cell Biology (4 credits)
- PCB 3063 Genetics (4 credits)
- PHZ 4404 Solid State Physics (3 credits)
- PHZ 4303 Nuclear Physics (3 credits)
- PHY 4610 Applications of Quantum Mechanics (3 credits)

Minor: Physics

Minor: Physics (20 credits)

All courses required for the minor may be transferred with prior approval of the department chair.

A cumulative average of 2.5 is required.

PHY2048 Calculus-Based Physics I (4 Credits)

PHY2048L Calculus-Based Physics I Lab (1 Credit)

PHY2049 Calculus-Based Physics II (3 Credits)

PHY2049L Calculus-Based Physics II Lab (1 Credit)

PHY3101 Modern Physics (3 Credits)

PHY3101L Modern Physics Lab (1 Credit)

SELECT 2 FROM THE FOLLOWING:

- PHZ 3113C Mathematical Physics (4 Credits)
- PHY 3220 Classical Mechanics (4 Credits)
- PHY 4320 Electricity & Magnetism (4 Credits)
- PHY 3424C Optics with Laboratory (4 Credits)
- PHY 3722C Electronics for Scientists (4 Credits)
- PHY 3604 Quantum Mechanics (4 Credits)
- PHY 4523 Thermodynamics & Statistical Mechanics (4 Credits)
- PHZ 4404 Solid State Physics (3 Credits)
- PHZ 4304 Nuclear Physics (3 Credits)
- AST 3217 Astrophysics I (4 Credits)
- AST 3402 Astrophysics II (4 Credits)



College of Computing, Engineering & Construction Overview

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The College of Computing, Engineering and Construction (CCEC) prepares students for professional responsibilities and creative achievement in the fields of Computer Science, Information Systems, Information Science, Information Technology, Electrical, Mechanical, and Civil Engineering and Construction Management.

Undergraduate Degree Programs

The College of Computing, Engineering and Construction offers:

- Bachelor of Science in Computer Science
- Bachelor of Science in Information Systems
- Bachelor of Science in Information Science
- Bachelor of Science in Information Technology
- Bachelor of Science in Computer and Information Sciences (concentration in Data Science)
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Building Construction

Graduate Degree Programs

Graduate degrees offered are:

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- Master of Science in Computing and Information Sciences - with concentrations in Computer Science, Cybersecurity, Data Science, and Information Systems
- Master of Science in Construction Management
- Master of Science in Electrical Engineering
- Master of Science in Civil Engineering
- Master of Science in Port and Coastal Engineering
- Master of Science in Materials Science and Engineering (joint with College of Arts and Sciences)
- Master of Science in Mechanical Engineering

Graduate Certificate Program

- Graduate Certificate in Healthcare Informatics in collaboration with Coggin College of Business and Brook's College of Health.

The College also collaborates with the Coggin College of Business to support an M.B.A. concentration in Construction Management. See Construction Management Advisor for details.

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Accreditation

The undergraduate computer science, information systems, information science, and information technology programs are accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>. The undergraduate electrical engineering, civil engineering, and mechanical engineering programs are accredited by the Engineering Accreditation Commission (EAC) of ABET, <http://www.abet.org>. The undergraduate construction management program is accredited by the American Council for Construction Education (ACCE).

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Mission

The mission of the College of Computing, Engineering, and Construction is to provide its students with the highest quality education and professional experiences, to achieve excellence in its teaching, scholarship and service, and to continually enhance its programs through interactions with professional constituents in the community.

Vision

The College of Computing, Engineering, and Construction aspires to be nationally known for its outstanding degree programs, scholarship and service and seeks to contribute significantly to the economic vitality of the Northeast Florida region, the State and the Nation.

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Values

The College seeks to develop students with the technical, communications, and leadership abilities needed to navigate the challenges of the new knowledge-based economy and build a successful and prosperous future while developing a sense of community responsibility and global awareness. The faculty, staff and administration are committed to acting with integrity and employing ethical behavior in all of our dealings. The College strives to provide education that prepares our students to make significant contributions to their chosen professions, the northeast Florida region and beyond in an environment where each student is respected, valued and engaged..

Transformational Learning Opportunities

Transformation Learning Opportunities (TLO) are available for a variety of enriching experiences while pursuing a degree at UNF, including but not limited to, directed independent research, cooperative experiences, study abroad opportunities, and internships. With prior approval, some of these may also be used for academic credit.

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Laboratory and Computing Facilities

www.unf.edu/ccec/facilities/

The general campus computing environment, including wireless Internet access, email systems, general purpose student computer labs, most technology-enhanced classrooms, and central business systems is maintained by UNF Information Technology Services.

Specialized and advanced computing, engineering, and construction management laboratories housed within the College extend general

campus computing services by adding advanced facilities supporting the wide range of research and instruction that characterizes the College's degree programs.

The School of Computing (SoC) advanced laboratories are configured specifically to support upper-level and graduate instruction and research in robotics, data analytics, software development, mobile computing, cybersecurity, and communications/networking, utilizing Windows, Linux, and Mac operating systems environments. Courses in the School of Engineering (SoE) are supported by specialized laboratories, which are equipped with advanced computer systems, manufacturing machines, engineering instrumentation, and specialized software. These laboratories provide flexible environments suited for class work, senior design, and research projects.

The Construction Management program uses computing and materials laboratories designed to support and enhance the curriculum, capstone projects, and construction materials research. As a result of a general donation from the W.W. Gay Company, the Construction Management Department has a state-of-the-art electrical/mechanical laboratory for their programs. The facility includes 6 electrical training modules, 6 plumbing modules, and 30 psychrometers. The facility allows the Construction students to experience first-hand installation and design of residential-scale electrical and plumbing systems. Commercial scale mechanical systems (HVAC) are included for student-demonstrations.

The computing environments maintained by the College make use of the University's high-speed data network and Florida Lambda Rail, a high-speed, low-latency research network connecting the State's universities and research institutions.

In addition to UNF laboratories, the college has partnered with Johnson and Johnson to establish a state-of-the-art 3D printing research and development laboratory that is available for classes and research projects.

Materials Science and Engineering Research Facility (MSERF):
MSERF is a multi-user research center in the College of Computing Engineering and Construction that is dedicated to materials property characterization. The electron microscopes and various other testing methods housed in MSERF support research efforts in materials science and manufacturing processes for faculty across the disciplines of engineering, physics, chemistry and biology. The state of the art facility is specially designed and built to provide

optimal equipment performance and resolution down to the nano-scale.

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College of Computing, Engineering and Construction

Contact Information

Dean's Office

William Klostermeyer, Ph.D., Dean & Professor

Location: Skinner Jones Hall North (Building 4), Room 4201

Phone: (904) 620-1350

Website: www.unf.edu/ccec/

Mailing Address:

University of North Florida

Skinner Jones Hall North

1 UNF Drive, Building 4

Jacksonville, Florida 32224-7699

School of Computing

Director: Sherif A. Elfayoumy, Ph.D.

Location: John E. Mathews Jr Building (Building 15)

School of Computing, Room 3201

Phone: (904) 620-2985

Fax: (904) 620-2988

Web Address: www.unf.edu/ccec/computing/

School of Engineering

Director: Osama Jadaan, Ph.D.

Location: Skinner Jones Hall North (Building 4)

School of Engineering, Room 3201

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Phone: (904) 620-1390

Fax: (904) 620-1391

Web Address: www.unf.edu/ccec/engineering

Construction Management Department

Chair: Maged Malek, Ph.D., AM., ASCE

Location: Skinner Jones Hall North (Building 4)

Construction Management, Room 1202

Phone: (904) 620-2683

Fax: (904) 620-2573

Web Address: www.unf.edu/ccec/construction



College of Computing, Engineering and Construction Academic Advising

College of Computing, Engineering, and Construction Advising:
Skinner Jones Hall Building (Building 4/Room 4204)

- Jaime Oliver, M.S., Director of Advising

School of Computing Advising Office:

John E. Mathews Jr. Building (Building 15/Room 3201)

- Elise Marshall, M.S., Computing Lead Academic Advisor & Associate Instructor
- Larry Snedden, M.S., Academic Advisor & Instructor
- Julia Velezon, Academic Advisor
- Asai Asaithambi, Ph.D., Graduate Director and Professor

School of Engineering Advising Office:

Skinner Jones Hall North (Building 4)

- Sue Levin, MSPH., Academic Advisor, Mechanical Engineering (Room 3302)
- Alan Harris, Ph.D., Graduate Director for Electrical Engineering and Associate Professor (Room 3307)
- John Nuszowski, Ph.D., Graduate Director for Mechanical Engineering and Associate Professor (Room 2211)
- Osama Jadaan, Ph.D., Graduate Advisor for School of Engineering and Professor of Mechanical Engineering (Room

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Construction Management Advising Office:

Skinner Jones Hall North (Building 4)

- Lou Broder, M.Ed., Academic Advisor (Room 1211)
- Michele Lamarsh, MSE, Academic Advisor & Instructor (Room 1209)

Academic Advising in the College of Computing, Engineering, and Construction is provided by professionals in their respective fields, some of whom are members of our teaching faculty. These individuals have the academic qualifications to be professional advisors and in some cases to teach in their academic units. With this background, they are uniquely able to provide well-informed academic advice and career guidance for our students.

Students should meet with an academic advisor concerning their program requirements as early as possible; preferably before registration for their first semester at UNF. Freshman students will be advised by an advisor in UNF's First Year Advising Office. Students will be advised by a CCEC advisor from their major once they complete their first year at UNF or upon entering UNF as a transfer student. Each student must review a degree evaluation plan (program of study) with his or her academic advisor in the college on a regular basis (i.e., at least once a year) to ensure a plan for timely graduation. Official degree evaluations are prepared after the Office of Admissions has evaluated a student's final transcripts.

Contact information for CCEC Advisors can be found at

www.unf.edu/ccec/advising.

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College of Computing, Engineering and Construction Undergraduate Academic Policies

The College of Computing, Engineering, and Construction adheres to all academic policies and regulations of the University. In addition, each academic unit has policies which apply to all undergraduate students in their majors.

- School of Computing's [academic policies](#)
- School of Engineering's [academic policies](#)
- Construction Management's [academic policies](#)

Starting Summer 2021, students with fewer than 60 earned college credits that intend to major in a degree program offered by the School of Engineering or the School of Computing will start as a [Pre-Engineering](#) or [Pre-Computing](#) major, respectively. Upon successfully completing the required pre-major courses, students will matriculate to their major by informing their academic advisor of their major preference as long as they meet that major's minimum GPA requirement.

The following policies apply to all undergraduate students in the College of Computing, Engineering, and Construction.

Dual Degrees at UNF

Students desiring to obtain two baccalaureate degrees, one from CCEC and one from another UNF college, must meet the requirements for both degrees, earn a minimum of 150 credit hours, and have the approval of both colleges. The application for graduation must indicate both degrees.

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Double Majors

Double majors within the same degree are not permitted in this college.

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Multiple Minors

Undergraduate students pursuing a degree in this college are permitted to pursue more than one minor in their program of study. Official declaration of the minor(s) is necessary to ensure the minor(s) will be recorded on the degree evaluation, and university transcripts. Students must meet with their academic advisor to discuss the minor(s) selected. Students majoring in computer science, information technology, electrical engineering, civil engineering, mechanical engineering or building construction management are not required to select a minor.

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College of Computing, Engineering and Construction Accreditation Statement

CCEC Accreditation

Accreditation is a significant achievement for technical programs like ours. Accreditation assures that a program has met quality standards set by the profession. To employers, graduate schools, licensure, certification, and registration boards, graduation from an accredited program signifies adequate preparation for entry into the profession.

Computing

The Computer Science Program, the Information Systems Program, the Information Science Program, and the Information Technology Program are accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>.

Engineering

The Electrical Engineering Program, the Civil Engineering Program, and the Mechanical Engineering Program are accredited by the Engineering Accreditation Commission (EAC) of ABET, <http://www.abet.org>.

Construction Management

The Construction Management Program is accredited by the [American Council for Construction Education](http://www.acce.org) (ACCE).

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College of Computing, Engineering and Construction Undergraduate Degrees and Majors

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- [Building Construction - Residential, BS](#)
- [Civil Engineering, BS](#)
- [Civil Engineering - Coastal and Port Engineering, BS](#)
- [Computer Science, BS](#)
- [Computing & Info Sciences - Data Science, BS](#)
- [Electrical Engineering - Engineering, BSEE](#)
- [Information Science, BS](#)
- [Information Systems, BS](#)
- [Information Technology, BS](#)
- [Mechanical Engineering, BS](#)

Summary Program Descriptions:

- [Building Construction Program](#)
- [Civil Engineering Program](#)
- [Computer Science Program](#)
- [Computing & Info Sciences - Data Science Program](#)
- [Information Systems Program](#)
- [Information Science Program](#)
- [Information Technology Program](#)
- [Electrical Engineering Program](#)
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The College of Computing, Engineering and Construction (CCEC) prepares students for professional responsibilities and creative achievement in the fields of Computer Science, Information

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Systems, Information Science, Information Technology, Electrical, Mechanical, and Civil Engineering and Construction Management. Undergraduate degrees offered are the Bachelor of Science in Computer Science, the Bachelor of Science in Information Systems, the Bachelor of Science in Information Science, the Bachelor of Science in Information Technology, the Bachelor of Science in Electrical Engineering, the Bachelor of Science in Civil Engineering, the Bachelor of Science in Mechanical Engineering, and the Bachelor of Science in Building Construction.

Most of the college's graduates either enter the growing computing, construction, and engineering job market or continue in advanced studies at UNF and other institutions of higher learning.

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Building Construction Program

The Building Construction program consists of management-oriented technical curricula built on a balanced program of studies drawn from building construction, computer concepts, management, Architecture, and general education requirements.

A graduate of this program can expect to find employment in the residential, commercial, heavy civil, or industrial construction industry. Typical employment positions include estimator, assistant project manager, assistant superintendent, field engineer, project manager or construction company manager.

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Civil Engineering Program

Civil engineers design the built environment — the structures, roads, water supply systems, and much more — that surrounds us. The profession is broad and encompasses several technical areas including structures, transportation, geotechnics, water resources and environmental protection.

Employment opportunities are plentiful in design, construction, management, teaching, and research. Employers include consulting firms, industrial companies, and government agencies and non-governmental organizations. The UNF Office of Career Services provides information on companies seeking civil engineering graduates for permanent positions or current students for

employment in cooperative education positions.

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Computer Science Program

This program is modeled according to the recommendations of the ACM (Association for Computing Machinery) and the IEEE-CS (Computer Society of the Institute for Electrical and Electronics Engineers). It focuses on studying the theoretical foundations of the computing field and system-level programming. Students study the intricacies and design principals of sophisticated computing systems such as compilers, operating systems, algorithm analysis and design, and artificial intelligence. The Computer Science program has a significant component of math and science courses.

Graduates of the program will be prepared to create new technologies that apply to a wide variety of application areas. Systems engineer and systems programmer are typical titles for the first job of the program graduates.

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Computing & Info Sciences - Data Science Program

The Data Science program has a primary emphasis on studying methods for managing and analyzing large datasets. It also has a significant component of math and science courses. With courses focused on statistics, database systems, algorithm design and analysis, and data analytics graduates of the program will be able to design, implement, and use methods for the discovery of patterns and prediction of future trends from datasets.

Graduates of the program will be prepared to gather, manipulate, transform, and analyze data to informing decision making. Typical first job titles include data scientist, and data analyst.

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Electrical Engineering Program

Electrical engineers harness electrical energy for the benefit of humankind. The profession is broad and encompasses products valued by society in many technical areas from communications to electric power and energy use to those for our current “Information Age.”

Employment opportunities range over product design, development, manufacturing, sales, management, teaching, and research. Employers include industrial companies, consulting firms, and government agencies and non-governmental organizations. The UNF Office of Career Services provides information on companies seeking electrical engineering graduates for permanent positions or current students for employment in cooperative education positions.

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Information Systems Program

This program follows the curriculum recommendations of the Association of Information Technology Professionals (AITP). The Information Systems students study the development of computer software applications to meet business needs. The curriculum of this program focuses on courses related to application programming, database design, Internet programming technologies, data analytics, and systems analysis and design. Students also study several business administration courses and are required to participate in a two-semester capstone project where they develop software systems for community partners.

Web developer, programmer, and business analyst are typical titles for the first job of the program graduates.

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Information Science Program

This program follows the curriculum recommendations of the Association of Information Technology Professionals (AITP). The Information Science students study the development of computer software applications to meet the needs of a variety of organizations; thus, this major requires a minor (public health and criminal justices are examples of possible minors). This program's curriculum focuses on the development of software systems, including application programming, database design, Internet programming technologies, data analytics, and systems analysis

and design. Students are required to participate in a two-semester capstone project where they develop software systems for community partners.

Web developer, programmer, and business analyst are typical titles for the first job of the program graduates.

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Information Technology Program

This program has a primary emphasis on cybersecurity and the administration of computing systems. With courses focused on computer networks, cloud computing, cybersecurity systems, intrusion detection, forensics, systems administration, and IT project management, graduates of the program will be able to analyze, design, secure, and maintain computing infrastructures.

Typical first job titles for graduates of the program include cybersecurity engineer, network engineer, and IT specialist.

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Mechanical Engineering Program

Mechanical engineering is concerned with energy and its transformations and the design of objects and structures that move. Mechanical engineers are responsible for conceiving, designing, manufacturing, testing, and marketing devices and systems that alter, transfer, transform and utilize the energy form that ultimately causes motion.

Employment opportunities range over product design, development, manufacturing, sales, management, teaching, and research. Employers include industrial companies, consulting firms, and government agencies and non-governmental organizations. The UNF Office of Career Services provides information on companies seeking mechanical engineering graduates for permanent positions or current students for employment in cooperative education positions.

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Accelerated Mechanical Engineering BS / MS Program

Mechanical Engineering BS/MS Accelerated Program

Admission to the accelerated program allows student to register for graduate level courses while an undergraduate student, but does not grant automatic admission into the graduate program. The graduate courses taken as part of the program can count towards both the undergraduate and graduate degrees according to the below rules.

A student interested in the accelerated program shall submit an application for the accelerated program to the School of Engineering prior to the registration period of the term in which the student wishes to register for a graduate level course.

It is highly recommended that students interested in the accelerated program meet with an advisor to learn how the program may affect financial aid and tuition rates.



College of Computing, Engineering and Construction Undergraduate Minors

The College of Computing, Engineering, and Construction offers the following university-wide minors.

- [Computing](#)
- [Construction Management](#)
- Note: Majors in the School of Computing are restricted from taking the Computing minor.

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College of Computing, Engineering and Construction Undergraduate Certificates

- [Coastal Port Engineering Certificate](#)
- [BCM International Certificate](#)

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College of Computing, Engineering and Construction Graduate Degrees

Links to Programs of Study:

- [Civil Engineering - MSCE](#)
- [Coastal and Port Engineering, MSCE](#)
- [Computing & Info Sciences - Computer Science \(Non-Thesis\), MS](#)
- [Computing & Info Sciences - Computer Science \(Thesis\), MS](#)
- [Computing & Info Sciences - Cybersecurity \(Non-Thesis\), MS](#)
- [Computing & Info Sciences - Cybersecurity \(Thesis\), MS](#)
- [Computing & Info Sciences - Data Science \(Non-Thesis\), MS](#)
- [Computing & Info Sciences - Data Science \(Thesis\), MS](#)
- [Computing & Info Sciences - Information Systems \(Non-Thesis\), MS](#)
- [Computing & Info Sciences - Information Systems \(Thesis\), MS](#)
- [Construction Management, MS](#)
- [Electrical Engineering, MSEE](#)
- [Mechanical Engineering, MSME](#)

Summary Program Descriptions:

- [Computer Science Program](#)
- [Cybersecurity Program](#)
- [Data Science Program](#)
- [Information Systems Program](#)
- [Master of Science in Civil Engineering](#)
- [Master of Science in Electrical Engineering](#)
- [Master of Science in Mechanical Engineering](#)
- [Master of Science in Coastal and Port Engineering](#)

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graduate degrees in the fields of Computer Science, Cybersecurity, Data Science, Information Systems, Civil Engineering, Electrical Engineering, and Mechanical Engineering. The College partners with the Coggin College of Business to support an M.B.A. concentration in Construction Management.

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The College's M.S. programs are designed to be the next academic step for graduates of undergraduate computing and engineering programs accredited by ABET or construction management degree programs accredited by ACCE. Students will be engaged in a rigorous academic program and will work with exceptional faculty members on research projects designed to respond to current challenges in the respective disciplines. Upon completion of CCEC masters' degrees, graduates are prepared to continue their graduate education at the doctoral level or to obtain advanced positions in industry.

Computer Science Program (MS)

The Computer Science Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to provide research-oriented advanced studies in computing (breadth) with a focus (depth) on computer science. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as cloud computing, machine learning, and advanced computer networks. The computer science depth includes courses such as design & analysis of algorithms, advanced artificial intelligence, and parallel computing. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of computer science.

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Cybersecurity Program (MS)

The Cybersecurity Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to

provide research-oriented advanced studies in computing (breadth) with a focus (depth) on cybersecurity. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as applied cryptography, advanced computer networks, and cloud computing. The cybersecurity depth includes courses such as internet of things, internet security, wireless network security, and secure software development. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of cybersecurity.

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Data Science Program (MS)

The Data Science Program for the M.S. in Computer and Information Sciences is built on a computing foundation (core) to provide research-oriented advanced studies in computing (breadth) with a focus (depth) on Data Science. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as data mining, user experience design, data visualization, and information retrieval. The data science depth includes courses such as data analytics, machine learning, and programming for data science. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of data science.

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Information Systems Program (MS)

The Information Systems Program for the M.S. in Computer and

Information Sciences is built on a computing foundation (core) to provide research-oriented advanced studies in computing (breadth) with a focus (depth) on Information Systems. To enroll in the program, students have to have completed a bachelor's degree that included courses in procedural and object-oriented programming, data structures, applied discrete mathematics, databases, and computer networks. The core courses include research methods, information assurance, and a practicum experience. The breadth includes courses such as software quality assurance, software requirement engineering, IT management, and data analytics. The information systems depth includes courses such as engineering of software, web engineering, and interface design and implementation. Students can choose between a Thesis option and a Non-Thesis option. Both options entail working under the direct supervision of a computing graduate faculty to produce research outcomes that demonstrate mastery of information systems.

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[Construction Management Program \(MS\)](#)

The program of study consists of 30 credits. This program is intended to build upon the BS Construction Management, Engineering, or Business degree and prepare recipients for effective roles in the construction industry. All programs of study must be approved by the program graduate director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the program director. Three program of study options are available: course work option, research-based thesis option, or executive project-based thesis option.

[Accelerated Mechanical Engineering Program \(BS / MS\)](#)

Admission to the accelerated program allows student to register for graduate level courses while an undergraduate student, but does not grant automatic admission into the graduate program. The graduate courses taken as part of the program can count towards both the undergraduate and graduate degrees according to the below rules.

A student interested in the accelerated program shall submit an application for the accelerated program to the School of Engineering prior to the registration period of the term in which the student

wishes to register for a graduate level course.

It is highly recommended that students interested in the accelerated program meet with an advisor to learn how the program may affect financial aid and tuition rates.

Accelerated program admission requirements

A minimum program GPA of 3.2 at time of application is required for admission into program

A signature from potential faculty thesis advisor is required for admission into program

All course pre-requisites for each course must be met prior to registering for the course(s), with the exception of holding graduate standing

Students are not required to take the GRE for admission into the accelerated program.

Additional accelerated program details

Up to 9 credit hours of graduate level course work may be used towards technical electives at the undergraduate level.

A grade of C or higher must be earned in the graduate level course(s) to satisfy technical elective requirements for undergraduate students.

Up to 9 credit hours of graduate level course work completed while in undergraduate status at UNF may be used towards the MSME degree.

A grade of B or higher in the course(s) must be earned if the course(s) is to count towards the graduate program of study.

Grades earned in courses while in undergraduate status do not count towards graduate level GPA.

Admission into the Mechanical Engineering accelerated BSMS program does NOT automatically grant admission into the Mechanical Engineering Master of Science program at UNF. Student need to submit a separate application to the graduate program and meet the same admission requirements, including GRE requirements, as students not accepted into the

accelerated BSMS program. UNF graduates with a GPA of 3.5 or higher are exempt from the GRE admission criteria.

Master of Science in Civil Engineering (MSCE)

The program of study consists of 30 credit hours. All programs of study must be approved by the program graduate director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the program director. All programs of study must contain at least 18 credits of 6000-level courses (including thesis).

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Master of Science in Electrical Engineering (MSEE)

The program of study consists of 30 credit hours. All programs of study must be approved by the program graduate director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the program director. All programs of study must contain at least 18 credit hours of 6000-level courses (including thesis).

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Master of Science in Mechanical Engineering (MSME)

The program of study consists of 30 credits. All programs of study must be approved by the program graduate director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the program director. All programs of study must contain at least 18 credits of 6000-level courses (including thesis).

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Master of Science in Coastal & Port Engineering (MS)

The program of study consists of 30 credits. This program is intended to build upon the BS Engineering degree and prepare recipients for effective roles as coastal and water resource

engineers. All programs of study must be approved by the program graduate director before the end of the second semester of graduate study. Programs of study may be modified with the approval of the program director. All programs of study must contain at least 15 credits of 6000-level courses (including thesis).

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CCEC Distance Learning

Any Time, Any Place

R. Elaine Poppell, *Sr. Broadcast Technologist*, rpoppell@unf.edu

(904) 620-1876

Email: cec-dl@unf.edu

Overview of CCEC Distance Learning

Courses are recorded live in a classroom environment, and web cast over the Internet for on-demand streaming of recorded lectures. Distance Learning students may choose to watch live, or watch later, and have unlimited access to video lectures anytime, any place. Faculty also have access to their distance learning lectures so that they may review content and teaching style. For some courses, students may be required to participate on campus for special projects or class exams. Check the course syllabus for the dates and times when on-site attendance is necessary.

Each distance learning class is the equivalent of an on-campus section of the same course, and like on-campus students, Distance Learning students receive full access to campus resources. Distance Learning students must also meet stated prerequisites where applicable, and adhere to assignment/project deadlines.

Freedom and Flexibility

CCEC Distance Learning at UNF provides students with the highest quality 'e-Learning' experience possible. Distance Learning offers freedom and flexibility in educational opportunities. Successful DL students are self-motivated, goal-oriented, and disciplined in keeping a study schedule and completing coursework. Taking this active role in education helps students become resourceful at using new technologies, which results in a tremendous advantage in the

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workplace. Distance Learning provides students and working professionals a convenient way to earn a degree or continue their academic development.

Distance Learning Fee

A fee of \$30 per credit hour will be assessed for students enrolling in UNF distance learning sections to help supplement the additional costs involved in delivering these classes.

For more information, visit <http://www.unf.edu/ccec/dl/>

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College of Computing, Engineering and Construction Student Groups and Organizations

Faculty from the College sponsor student chapters in the disciplines. These organizations provide students with important professional contact groups in Jacksonville and throughout the national computing community. See the units' web pages for more information.

School of Computing

- Association for Computing Machinery (ACM)
- Osprey Security (OSEC)
- Computer Society of the Institute of Electrical and Electronics Engineers (IEEE-CS)
- Society of Women Advancing Technology and Computing (SWAT)
- Upsilon Pi Epsilon Honor Society for the Computing Sciences (UPE)
- Gaming and Application Development (GAD)
- Artificial Intelligence Research Organization (AIRO)

School of Engineering

- American Society of Civil Engineers (ASCE)
- Institute of Electrical and Electronics Engineers (IEEE)
- American Society of Mechanical Engineers (ASME)
- Society of Women Engineers (SWE)
- Society of American Military Engineers (SAME)
- Coasts, Oceans, Ports and Rivers Institute (COPRI)
- American Society of Highway Engineers (ASHE)
- Society of Automotive Engineers (SAE)

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- Florida Engineering Society (FES)
- National Society of Black Engineers (NSBE)
- Society of Asian Scientists and Engineers (SASE)
- Society of Hispanic Professional Engineers (SHPE)
- Eta Kappa Nu Honor Society (HKN)
- Society of Automotive Engineers (SAE)
- Space Hardware Club
- Eta Kappa Nu (HKN)
- Florida Structural Engineers Association (FSEA)
- Florida Engineering Society (FES)
- Osprey Robotics – Osprey Miners and Osprey Divers

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Construction Management

- National Association of Home Builders (NAHB)
- American Building Contractors (ABC)
- Design-Build Institute of America (DBIA)
- Sigma Lambda Chi (SLX) Honor Society
- Women in Construction (WiC)

College of Computing, Engineering and Construction Other Educational Opportunities

Transformational Learning Experiences

Opportunities are available for a variety of enriching experiences while pursuing a computing degree at UNF, including but not limited to, study abroad courses and terms, directed independent research, cooperative experiences, and internships. Directed independent studies and cooperative experiences may also be used for academic credit with prior approval of the School.

Short-Term International Experiences

We understand that many students taking the rigorous course of studies required to earn of the degrees in CCEC often do not have the time necessary to take advantage of the University's Study Abroad Programs. In response, we have created short-term *international experience* opportunities to expand your experience and opportunities in the global economy that range from 10 days to three weeks, including sites in Spain, France, Italy and China.

Honors in Computing

The Honors Program at UNF is designed for the student who is intellectually mature and seeks the challenge of academic work different from the traditional course of study. It offers students a close collegial relationship with the University's top professors and with each other. There are two types of honors programs at the University of North Florida. The first is a lower-level program open to freshmen and sophomores offered by the Hicks Honors College. The second is the "Honors in the Major" program open to students in the School of Computing. A student does not have to be in the lower level Hicks Honors College to enroll in the "Honors in Computing" program. The "Honors in Computing" program offers two tracks in Leadership and Research and special recognition on the student's transcript. The Leadership track requires a minimum of 90 leadership hours and the research track requires a minimum of 60 leadership hours and completing six credits of CIS4910 Computing Honors

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Research.

Admission is competitive and limited to students with a cumulative GPA of 3.2 or better. More information on additional admission requirements and procedures for applying to the program can be obtained from a School of Computing Academic Advisor.

Accelerated Computing BS-MS Program

The School of Computing offers a unique opportunity for qualified students to seek both the bachelor and master's degrees in an accelerated program of study for all its programs (Computer Science, Information Systems, Information Science, Information Technology, and Data Science). Qualified students will be able to take six credits of graduate-level courses as part of their undergraduate studies, which will also apply toward their future graduate studies. Interested and qualified students must submit an application for the accelerated program to the School of Computing to the registration period of the term in which the student wishes to register for a graduate level course. It is highly recommended that students interested in the accelerated program meet with an advisor to learn how the program may affect financial aid and tuition rates.

Accelerated Engineering BS-MS Program

The School of Engineering offers a unique opportunity for students who are intellectually mature to seek both the bachelor and master's degrees in Mechanical Engineering (ME) in an accelerated program of study. Admission to the accelerated program allows student to register for graduate level courses while an undergraduate student, but does not grant automatic admission into the graduate program. The graduate courses taken as part of the program can count towards both the undergraduate and graduate degrees according to the below rules.

A student interested in the accelerated program shall submit an application for the accelerated program to the School of Engineering prior to the registration period of the term in which the student wishes to register for a graduate level course.

It is highly recommended that students interested in the accelerated program meet with an advisor to learn how the program may affect financial aid and tuition rates.

Major: Computer Science

Degree: Bachelor of Science

Informational Text

The Bachelor of Science in Computer Science requires 120 total credits that include a minimum of 54 upper-level credits.

School of Computing Policies

- All courses must be completed with a grade of C or better unless noted otherwise.
- Once enrolled at UNF, all remaining prerequisite courses and major/minor requirements must be completed at UNF.
- Satisfactory Progress Policy
 - The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs.
 - Students who do not successfully complete a prerequisite or core requirement for a School of Computing major on the first attempt due to earning a grade of D, F, W, WP, or WF will be granted one chance to repeat the course.
 - Students who do not successfully complete the aforementioned course on the second attempt will be blocked from registering for courses offered by the School of Computing in future semesters.
 - This policy applies whether or not the student has declared a major in a School of Computing program.
- Exit Requirements
 - Proficiency in a high-level programming language.
 - Proficiency in oral communication. To demonstrate satisfactory oral communication skills, students must deliver up to two presentations in an upper-level course offered by the School of Computing. If the first presentation is satisfactory, the second presentation will be waived.

Prerequisites (25 credits)

Computer Science Prerequisites (7 Courses - 25 Credits)

COP2220 Programming I (3 Credits)

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

PHY2048 Calculus-Based Physics I (4 Credits)

- PHY2048L Calculus Physics I Lab (1) must be taken
- PHY2048C satisfies both the lecture and lab requirement

PHY2049 Calculus-Based Physics II (3 Credits)

- PHY2049L Calculus Physics II Lab (1) must be taken
- PHY2049C satisfies both the lecture and lab requirement

SCIENCE 6 credits of add'l science

Select two science courses for science majors.

Appropriate course prefixes include

- APB
- AST
- BCH
- BOT
- BSC
- CHM
- CHS
- ESC
- GLY
- ISC
- MCB
- PCB
- PHY
- PHZ
- PSC
- ZOO

UNF courses that satisfy this requirement include

- AST2002 Astronomy (3)
- BSC1010C General Biology I (4)
- BSC1011C General Biology II (4)
- CHM2045 General Chemistry I (3)
- CHM2046 General Chemistry II (3)
- ESC2000 Earth Science

UNF courses that cannot be used include

- BSC1005C Principles of Biology (4)
- BSC1930 Current Applications in Biology (2)

- BCH3023C Bioorganic Chemistry (4)
- CHM1025 Introduction to Chemistry (2)
- PHY1020 Introduction to Physics (2)
- PHY2053 Algebra-based Physics I (3)
- PHY2054 Algebra-based Physics II (3)

Consult with an academic advisor before taking any other science course than those listed here.

Requisites (3 credits)

Computer Science Requisites: (1 Course - 3 Credits)

SELECT Any public speaking course

SPC4064 Public Speaking for Professionals is recommended.

Core Requirements (18 credits)

Computing Common Core (6 Courses - 18 Credits)

COT3100 Computational Structures (3 Credits)

COP3503 Programming II (3 Credits)

COP3530 Data Structures (3 Credits)

CIS3253 GW-Legal Ethical Iss in Comput (3 Credits)

COP3703 Introduction to Databases (3 Credits)

CNT4504 Computer Networks (3 Credits)

Major Requirements (32 credits)

Computer Science Major Requirements: (10 Courses - 32 Credits)

CDA3100 Computer Arch. and Org. (4 Credits)

COT3210 Theory of Computation (3 Credits)

COP3404 Intro to Systems Software (3 Credits)

CEN4010 Software Engineering (3 Credits)

COP4610 Operating Systems (3 Credits)

COP4620 Constr of Language Translators (3 Credits)

CAP4630 Intro To Artificial Intelligen (3 Credits)

COT4400 Design and Analysis of Algori (3 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

Major Electives (9 credits)

Computer Science Major Electives: (3 Courses - 9 Credits)

SELECT 9 Credits of the following:

- Any upper (3000-4000) level Computing course (prefix CAP, CDA, CEN, CIS, CNT, COP, or COT) not used to fulfill other major requirements may be used to satisfy this requirement.
- A maximum of 6 credit hours of CIS3949 Experiential Studies may be taken. No more than 3 credit hours of CIS 3949 may be used to satisfy major or minor electives.
- A maximum of 6 credit hours of CIS4900 Directed Independent Study may be taken. No more than 3 credit hours CIS 4900 may be taken with the same professor.
- Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing (3 Credits) and CEN6074 Information Assurance (3 Credits) to satisfy up to 6 credits of the required 9 major elective credits.

Exit Requirement

Computer and Information Sciences Oral Exit Requirement: All computing majors must deliver up to two spoken presentations in upper-level computing courses for the evaluation of presentation skills. If the first presentation is satisfactory, then the second evaluated presentation will be waived.

Electives (120 credits)

In order to graduate with a bachelor's degree, 120 total credit hours must be earned.

ANY-LEVEL Free Electives For 120 Hours

Electives (54 credits)

In order to graduate with a bachelor's degree, 54 upper-level

hours must be earned.

UPPERLEVEL Free Electives From UpperLevel

Major: Computing & Info Sciences

Concentration: Data Science

Degree: Bachelor of Science

Informational Text

The Bachelor of Science in Computing & Information Sciences requires 120 total credits that include a minimum of 54 upper-level credits.

School of Computing Policies

- All courses must be completed with a grade of C or better unless noted otherwise.
- Once enrolled at UNF, all remaining prerequisite courses and major/minor requirements must be completed at UNF.
- Satisfactory Progress Policy
 - The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs.
 - Students who do not successfully complete a prerequisite or core requirement for a School of Computing major on the first attempt due to earning a grade of D, F, W, WP, or WF will be granted one chance to repeat the course.
 - Students who do not successfully complete the aforementioned course on the second attempt will be blocked from registering for courses offered by the School of Computing in future semesters.
 - This policy applies whether or not the student has declared a major in a School of Computing program.
- Exit Requirements
 - Proficiency in a high-level programming language.
 - Proficiency in oral communication. To demonstrate satisfactory oral communication skills, students must deliver up to two presentations in an upper-level course offered by the School of Computing. If the first presentation is satisfactory, the second presentation will be waived.

Prerequisites (11 credits)

Data Science Prerequisites (3 Courses - 11 Credits)

COP2220 Programming I (3 Credits)

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

Requisites (14 credits)

Data Science Requisites: (4 Courses - 14 Credits)

ENC2210 (GW) Technical Writing (3 Credits)

SELECT Any public speaking course

SPC4064 Public Speaking for Professionals is recommended.

SCIENCE: Select one of the following

three two-semester sequences:

BSC1010 General Biology I (4 Credits)

BSC1011 General Biology II (4 Credits)

Or

CHM2045 General Chemistry I (3 Credits)

CHM2045L General Chemistry I Lab (1 credit) must be taken

CHM2046 General Chemistry II (3 Credits)

CHM2046L General Chemistry II Lab (1 credit) must be taken

Or

PHY2048 (GM) Calculus-based Physics I (4 credits)

PHY2048 Calculus Physics I Lab (1 credit) must be taken

PHY2048C satisfies both the lecture and lab requirement

PHY2049 (GM) Calculus-based Physics II (4 credits)

PHY2049 Calculus Physics II Lab (1 credit) must be taken

PHY2049C satisfies both the lecture and lab requirement

Core Requirements (18 credits)

Computing Common Core (6 Courses - 18 Credits)

COP3503 Programming II (3 Credits)

COP3530 Data Structures (3 Credits)

CIS3253 GW-Legal Ethical Iss in Comput (3 Credits)

COP3703 Introduction to Databases (3 Credits)

CNT4504 Computer Networks (3 Credits)

SELECT 1 of the following 2 courses

COT3100 Computational Structures (3 Credits)

MAD3107 Discrete Mathematics (3 Credits)

Major Requirements (33 credits)

Data Science Major Requirements: (10 Courses - 33 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

STA3163 (GM) Statistical Methods I (4 Credits)

STA3164 (GM) Statistical Methods II (3 Credits)

STA4321 (GM) Probability and Statistics (4 Credits)

CAP4784 Introduction to Data Analytics (3 Credits)

CAP4770 Data Mining (3 Credits)

COT4400 Design and Analysis of Algori (3 Credits)

SELECT ONE

of the following 6 courses (3 credits):

- COT4560 Applied Graph Theory (3 credits)
- COT4111 Computational Structures II (3 credits)
- COT4461 Computational Biology (3 credits)
- MAD4301 Graph Theory (3 credits)
- MAD4203 Combinatorics (3 credits)
- MAD4505 Discrete Biomathematics (3 credits)

SELECT1 of the following two courses

(3 credits):

- STA4502 (GM) Non-parametric Methods in Statistics (3 credits)
- STA4504 (GM) Categorical Data Analysis (3 credits)

SELECT ONE of the following four courses

(3 credits):

- STA4945 Capstone Experience in Statistics (3 credits)
 - CIS4900 Directed Independent Study (3 credits)
 - MAS4932 Capstone Experience in Mathematics (3 credits)
 - MAT4906 Directed Independent Study (3 credits)
-)

Major Electives (9 credits)

Data Science Major Electives: (3 Courses - 9 Credits)

SELECT 9 Credits of the following:

Elective options include

- Any upper-level Computing course not used to fulfill other requirements (prefix CAP, CDA, CEN, CIS, CNT, COP, or COT)
- Any 4000-level Statistics course not used to fulfill other major requirements (prefix STA).
- MAP4231 Operations Research (3 credits), MAT4931 Special Topics in Mathematical Science (3 credits).
- A maximum of 6 credit hours of CIS4900 Directed Independent Study, MAT4906 Directed Individual Studies or STA4906 Directed Individual Studies may be taken. No more than 3 credit hours CIS 4900/MAT4906/STA4906 may be taken with the same professor.
- Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing (3 Credits) and CEN6074 Information Assurance (3 Credits) to satisfy up to 6 credits of the required 9 major elective credits.

Exit Requirement

Computer and Information Sciences Oral Exit Requirement: All computing majors must deliver up to two spoken presentations in upper-level computing courses for the evaluation of presentation skills. If the first presentation is satisfactory, then the second

evaluated presentation will be waived.

Electives (120 credits)

In order to graduate with a bachelor's degree, 120 total credit hours must be earned.

ANY-LEVEL Free Electives For 120 Hours

Electives (54 credits)

In order to graduate with a bachelor's degree, 54 upper-level hours must be earned.

UPPERLEVEL Free Electives From UpperLevel

Major: Information Science

Degree: Bachelor of Science

Informational Text

The Bachelor of Science in Computing & Information Sciences requires 120 total credits that include a minimum of 54 upper-level credits.

School of Computing Policies

- All courses must be completed with a grade of C or better unless noted otherwise.
- Once enrolled at UNF, all remaining prerequisite courses and major/minor requirements must be completed at UNF.
- Satisfactory Progress Policy
 - The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs.
 - Students who do not successfully complete a prerequisite or core requirement for a School of Computing major on the first attempt due to earning a grade of D, F, W, WP, or WF will be granted one chance to repeat the course.
 - Students who do not successfully complete the aforementioned course on the second attempt will be blocked from registering for courses offered by the School of Computing in future semesters.
 - This policy applies whether or not the student has declared a major in a School of Computing program.
- Exit Requirements
 - Proficiency in a high-level programming language.
 - Proficiency in oral communication. To demonstrate satisfactory oral communication skills, students must deliver up to two presentations in an upper-level course offered by the School of Computing. If the first presentation is satisfactory, the second presentation will be waived.

Prerequisites (12 credits)

Information Science Prerequisites: (4 Courses - 12 Credits)

COP2220 Programming I (3 Credits)

CGS1570 Microcomputer Applica Software (3 Credits)

MAC2233 (GM)Calculus for Business (3 Credits)

-. MAC2311 Calculus I is an acceptable substitute.

STA2023 (GM) Elem Statistics-Business (3 Credits)

STA2023 is preferred. STA2122 may be used.

Requisites (3 credits)

Information Science Requisites: (1 Course - 3 Credits)

SELECT Any public speaking course

SPC4064 Public Speaking for Professionals is recommended.

Core Requirements (18 credits)

Computing Common Core (6 Courses - 18 Credits)

COT3100 Computational Structures (3 Credits)

COP3503 Programming II (3 Credits)

COP3530 Data Structures (3 Credits)

CIS3253 GW-Legal Ethical Iss in Comput (3 Credits)

COP3703 Introduction to Databases (3 Credits)

CNT4504 Computer Networks (3 Credits)

Major Requirements (19 credits)

Information Science Major Requirements: (6 Courses - 19 Credits)

COP3855 Web Systems Development (4 Credits)

CDA4010 User Interface Design (3 Credits)

COP4813 Internet Programming (3 Credits)

CAP4784 Introduction to Data Analytics (3 Credits)

CIS4327 Information Syst Sr Project I (3 Credits)

CIS4328 Information Syst Sr Project II (3 Credits)

Major Electives (9 credits)

Information Science Major Electives: (3 Courses - 9 Credits)

SELECT 9 Credits of the following:

- Any upper (3000-4000) level Computing course (prefix CAP, CDA, CEN, CIS, CNT, COP, or COT) not used to fulfill other major requirements may be used to satisfy this requirement.
- A maximum of 6 credit hours of CIS3949 Experiential Studies may be taken. No more than 3 credit hours of CIS 3949 may be used to satisfy major or minor electives.
- A maximum of 6 credit hours of CIS4900 Directed Independent Study may be taken. No more than 3 credit hours CIS 4900 may be taken with the same professor.
- Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing (3 Credits) and CEN6074 Information Assurance (3 Credits) to satisfy up to 6 credits of the required 9 major elective credits.

Exit Requirement

Computer and Information Sciences Oral Exit Requirement: All computing majors must deliver up to two spoken presentations in upper-level computing courses for the evaluation of presentation skills. If the first presentation is satisfactory, then the second evaluated presentation will be waived.

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Electives (120 credits)

In order to graduate with a bachelor's degree, 120 total credit hours must be earned.

ANY-LEVEL Free Electives For 120 Hours

Electives (54 credits)

In order to graduate with a bachelor's degree, 54 upper-level hours must be earned.

UPPERLEVEL Free Electives From UpperLevel

Major: Information Systems

Degree: Bachelor of Science

Informational Text

The Bachelor of Science in Information Systems requires 120 total credits that include a minimum of 54 upper-level credits. School of Computing Policies

- All courses must be completed with a grade of C or better unless noted otherwise.
- Once enrolled at UNF, all remaining prerequisite courses and major/minor requirements must be completed at UNF.
- Satisfactory Progress Policy
 - The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs.
 - Students who do not successfully complete a prerequisite or core requirement for a School of Computing major on the first attempt due to earning a grade of D, F, W, WP, or WF will be granted one chance to repeat the course.
 - Students who do not successfully complete the aforementioned course on the second attempt will be blocked from registering for courses offered by the School of Computing in future semesters.
 - This policy applies whether or not the student has declared a major in a School of Computing program.
- Exit Requirements
 - Proficiency in a high-level programming language.
 - Proficiency in oral communication. To demonstrate satisfactory oral communication skills, students must deliver up to two presentations in an upper-level course offered by the School of Computing. If the first presentation is satisfactory, the second presentation will be waived.

Prerequisites (24 credits)

Information System Prerequisites: (8 Courses - 24 Credits)

COP2220 Programming I (3 Credits)

ACG2021 Prin of Financial Accounting (3 Credits)

ACG2071 Prin Managerial Accounting (3 Credits)

CGS1100 Computer Applications for Busi (3 Credits)

ECO2013 Principles of Macroeconomics (3 Credits)

ECO2023 Principles of Microeconomics (3 Credits)

MAC2233 (GM)Calculus for Business (3 Credits)

- . MAC2311 Calculus I is an acceptable substitute.

STA2023 (GM) Elem Statistics-Business (3 Credits)

STA2023 is preferred. STA2122 may be used.

Requisites (3 credits)

Information Systems Requisites: (1 Course - 3 Credits)

SELECT Any public speaking course

SPC4064 Public Speaking for Professionals is recommended.

Core Requirements (18 credits)

Computing Common Core (6 Courses - 18 Credits)

COT3100 Computational Structures (3 Credits)

COP3503 Programming II (3 Credits)

COP3530 Data Structures (3 Credits)

CIS3253 GW-Legal Ethical Iss in Comput (3 Credits)

COP3703 Introduction to Databases (3 Credits)

CNT4504 Computer Networks (3 Credits)

Major Requirements (28 credits)

Information Systems Major Requirements: (9 Courses - 28 Credits)

COP3855 Web Systems Development (4 Credits)

CDA4010 User Interface Design (3 Credits)

COP4813 Internet Programming (3 Credits)

CAP4784 Introduction to Data Analytics (3 Credits)

CIS4327 Information Syst Sr Project I (3 Credits)

CIS4328 Information Syst Sr Project II (3 Credits)

ISM4011 Intro Management Info Systems (3 Credits)

MAN3025 Principles of Management (3 Credits)

FIN3403 Financial Management (3 Credits)

Major Electives (12 credits)

Information Systems Major Electives: (4 Courses - 12 Credits)

SELECT 9 Credits of the following:

- Any upper (3000-4000) level Computing course (prefix CAP, CDA, CEN, CIS, CNT, COP, or COT) not used to fulfill other major requirements may be used to satisfy this requirement.
- A maximum of 6 credit hours of CIS3949 Experiential Studies may be taken. No more than 3 credit hours of CIS 3949 may be used to satisfy major or minor electives.
- A maximum of 6 credit hours of CIS4900 Directed Independent Study may be taken. No more than 3 credit hours CIS 4900 may be taken with the same professor.
- Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing (3 Credits) and CEN6074 Information Assurance (3 Credits) to satisfy up to 6 credits of the required 9 major elective credits.

SELECT 3 credits of the following:

- BUL3130
- MAN3504
- MAR3023

Exit Requirement

Computer and Information Sciences Oral Exit Requirement: All computing majors must deliver up to two spoken presentations in upper-level computing courses for the evaluation of presentation skills. If the first presentation is satisfactory, then the second

evaluated presentation will be waived.

Electives (120 credits)

In order to graduate with a bachelor's degree, 120 total credit hours must be earned.

ANY-LEVEL Free Electives For 120 Hours

Electives (54 credits)

In order to graduate with a bachelor's degree, 54 upper-level hours must be earned.

UPPERLEVEL Free Electives From UpperLevel

Major: Information Technology

Degree: Bachelor of Science

Informational Text

The Bachelor of Science in Information Technology requires 120 total credits that include a minimum of 54 upper-level credits.

School of Computing Policies

- All courses must be completed with a grade of C or better unless noted otherwise.
- Once enrolled at UNF, all remaining prerequisite courses and major/minor requirements must be completed at UNF.
- Satisfactory Progress Policy
 - The School of Computing enforces the "one repeat" rule for all prerequisite and core courses offered by the School for its major programs.
 - Students who do not successfully complete a prerequisite or core requirement for a School of Computing major on the first attempt due to earning a grade of D, F, W, WP, or WF will be granted one chance to repeat the course.
 - Students who do not successfully complete the aforementioned course on the second attempt will be blocked from registering for courses offered by the School of Computing in future semesters.
 - This policy applies whether or not the student has declared a major in a School of Computing program.
- Exit Requirements
 - Proficiency in a high-level programming language.
 - Proficiency in oral communication. To demonstrate satisfactory oral communication skills, students must deliver up to two presentations in an upper-level course offered by the School of Computing. If the first presentation is satisfactory, the second presentation will be waived.

Prerequisites (15 credits)

Information Technology Prerequisites: (5 Courses - 15 Credits)

COP2220 Programming I (3 Credits)

CGS1570 Microcomputer Applica Software (3 Credits)

MAC2233 (GM)Calculus for Business (3 Credits)

- . MAC2311 Calculus I is an acceptable substitute.

STA2023 (GM) Elem Statistics-Business (3 Credits)

STA2023 is preferred. STA2122 may be used.

SELECT Any public speaking course

Core Requirements (18 credits)

Computing Common Core (6 Courses - 18 Credits)

COT3100 Computational Structures (3 Credits)

COP3503 Programming II (3 Credits)

COP3530 Data Structures (3 Credits)

CIS3253 GW-Legal Ethical Iss in Comput (3 Credits)

COP3703 Introduction to Databases (3 Credits)

CNT4504 Computer Networks (3 Credits)

Major Requirements (24 credits)

Information Technology Major Requirements (8 Courses - 24 Credits)

CIS3526 IT Project Management (3 Credits)

COP4640 Operating Systems Environments (3 Credits)

CIS4360 Intro to Computer Security (3 Credits)

CIS4364 Intrusion Detection (3 Credits)

CIS4366 Computer Forensics (3 Credits)

CNT4406 Network Security/Management (3 Credits)

CEN4083 Intro to Cloud Computing (3 Credits)

CIS4325 Intro to Sys Admin (3 Credits)

Major Electives (9 credits)

Information Technology Major Electives: (3 Courses - 9 Credits)

SELECT 9 Credits of the following:

- Any upper (3000-4000) level Computing course (prefix CAP, CDA, CEN, CIS, CNT, COP, or COT) not used to fulfill other major requirements may be used to satisfy this requirement.
- A maximum of 6 credit hours of CIS3949 Experiential Studies may be taken. No more than 3 credit hours of CIS 3949 may be used to satisfy major or minor electives.
- A maximum of 6 credit hours of CIS4900 Directed Independent Study may be taken. No more than 3 credit hours CIS 4900 may be taken with the same professor.
- Students admitted to the accelerated BS-MS program may take the graduate-level courses CIS6913 Research Methods in Computing (3 Credits) and CEN6074 Information Assurance (3 Credits) to satisfy up to 6 credits of the required 9 major elective credits.

Exit Requirement

Computer and Information Sciences Oral Exit Requirement: All computing majors must deliver up to two spoken presentations in upper-level computing courses for the evaluation of presentation skills. If the first presentation is satisfactory, then the second evaluated presentation will be waived.

Electives (120 credits)

In order to graduate with a bachelor's degree, 120 total credit hours must be earned.

ANY-LEVEL Free Electives For 120 Hours

Electives (54 credits)

In order to graduate with a bachelor's degree, 54 upper-level hours must be earned.

UPPERLEVEL Free Electives From UpperLevel

Major: Computing & Info Sciences

Concentration: Computer Science (Thesis)

Degree: Master of Science

Informational Text

The MS-CIS, Computer Science concentration (Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Thesis course for at least two semesters, which would require the student to conduct an in-depth study of a research problem leading to the composition of a Master's Thesis that summarizes the student's findings. The student must defend her/his thesis in a presentation that is open to the general public and evaluated by a faculty committee.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before

completion 15 credit hours in the program. 5. Special Topics in Computing (CIS6930) may be approved by the Graduate Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

COT6405 Design and Analysis of Algo (3 Credits)

CAP6635 Adv. Artificial Intelligence (3 Credits)

SELECT ONE of the following

- COP6616 Parallel Computing (3)
- COP6611 Advanced Operating Systems (3)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- CEN6086 Cloud Computing (3)
- CAP6610 Machine Learning (3)
- CNT6730 Advanced Computer Networks (3)
- CNT6130 Software Defined Networking (3)
- CNT6707 Network Arch Client/Server Computing (3)
- CIS6930 Special Topics in Computing (3)

Thesis (6 credits)

Enroll in CIS 6970 Thesis for at least two terms. More enrollments may be allowed to fulfill the thesis requirements, but only six credits are applicable to the degree. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor.

The student conducts an in-depth study of a research problem leading to a Master's Thesis that summarizes the student's findings. The student defends the Thesis in a presentation that is open to the general public and evaluated by a faculty committee.

Major: Computing & Info Sciences
Concentration: Computer Science (Non-Thesis)
Degree: Master of Science

Informational Text

The MS-CIS, Computer Science concentration (Non-Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Research Experience I & II courses. During the Research Experience, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before completion 15 credit hours in the program.
5. Special Topics in Computing (CIS6930) may be approved by the Graduate

Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

COT6405 Design and Analysis of Algo (3 Credits)

CAP6635 Adv. Artificial Intelligence (3 Credits)

SELECT ONE of the following

- COP6616 Parallel Computing (3)
- COP6611 Advanced Operating Systems (3)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- CEN6086 Cloud Computing (3)
- CAP6610 Machine Learning (3)
- CNT6730 Advanced Computer Networks (3)
- CNT6130 Software Defined Networking (3)
- CNT6707 Network Arch Client/Server Computing (3)
- CIS6930 Special Topics in Computing (3)

Research Core Requirements (6 credits)

Enroll in CIS6917 Research Experiences I and CIS 6918 Research Experiences II with a faculty member for three credits each in two semesters. During the Research Experience, the student will collaborate with a Computing faculty member on a research project. Before the end of the second of the two semesters, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency to fulfill the Research Experience requirement.

CIS6917 Research Experiences I (3 Credits)

CIS6918 Research Experiences II (3 Credits)

Major: Computing & Info Sciences

Concentration: Cybersecurity (Thesis)

Degree: Master of Science

Informational Text

The MS-CIS, Cybersecurity concentration (Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Thesis course for at least two semesters, which would require the student to conduct an in-depth study of a research problem leading to the composition of a Master's Thesis that summarizes the student's findings. The student must defend her/his thesis in a presentation that is open to the general public and evaluated by a faculty committee.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before

completion 15 credit hours in the program. 5. Special Topics in Computing (CIS6930) may be approved by the Graduate Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

CNT6167 Internet of Things (3 Credits)

CNT6407 Internet Security (3 Credits)

SELECT ONE of the following:

- CNT6519 Wireless Network Security (3)
- CEN6079 Secure Software Development (3)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- CIS6371 Applied Cryptography (3)
- CNT6008 Advanced Computer Networks (3)
- CNT6105 Software Defined Networking (3)
- CEN6086 Cloud Computing (3)
- CNT6707 Network Arch Client/Server Computing (3)
- CIS6930 Special Topics in Computing (3)

Thesis (6 credits)

Enroll in CIS 6970 Thesis for at least two terms. More enrollments may be allowed to fulfill the thesis requirements, but only six credits are applicable to the degree. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor.

The student conducts an in-depth study of a research problem leading to a Master's Thesis that summarizes the student's findings. The student defends the Thesis in a presentation that is open to the general public and evaluated by a faculty committee.

Major: Computing & Info Sciences

Concentration: Cybersecurity (Non-Thesis)

Degree: Master of Science

Informational Text

The MS-CIS, Cybersecurity concentration (Non-Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Research Experience I & II courses. During the Research Experience, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before completion 15 credit hours in the program.
5. Special Topics in Computing (CIS6930) may be approved by the Graduate

Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

CNT6167 Internet of Things (3 Credits)

CNT6407 Internet Security (3 Credits)

SELECT ONE of the following:

- CNT6519 Wireless Network Security (3)
- CEN6079 Secure Software Development (3)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- CIS6371 Applied Cryptography (3)
- CNT6008 Advanced Computer Networks (3)
- CNT6105 Software Defined Networking (3)
- CEN6086 Cloud Computing (3)
- CNT6707 Network Arch Client/Server Computing (3)
- CIS6930 Special Topics in Computing (3)

Research Core Requirements (6 credits)

Enroll in CIS6917 Research Experiences I and CIS 6918 Research Experiences II with a faculty member for three credits each in two semesters. During the Research Experience, the student will collaborate with a Computing faculty member on a research project. Before the end of the second of the two semesters, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency to fulfill the Research Experience requirement.

CIS6917 Research Experiences I (3 Credits)

CIS6918 Research Experiences II (3 Credits)

Major: Computing & Info Sciences

Concentration: Data Science (Thesis)

Degree: Master of Science

Informational Text

The MS-CIS, Data Science concentration (Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Thesis course for at least two semesters, which would require the student to conduct an in-depth study of a research problem leading to the composition of a Master's Thesis that summarizes the student's findings. The student must defend her/his thesis in a presentation that is open to the general public and evaluated by a faculty committee.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before

completion 15 credit hours in the program. 5. Special Topics in Computing (CIS6930) may be approved by the Graduate Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

CAP6768 Data Analytics (3 Credits)

CAP6610 Machine Learning (3 Credits)

COP6284 Programming for Data Science (3 Credits)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- CAP6777 Data Mining (3)
- CAP6100 User Experience Design (3)
- MAN6931 Data Visualization (3)
- CAP6776 Information Retrieval and Text Mining (3)
- CIS6930 Special Topics in Computing (3)

Thesis (6 credits)

Enroll in CIS 6970 Thesis for at least two terms. More enrollments may be allowed to fulfill the thesis requirements, but only six credits are applicable to the degree. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor.

The student conducts an in-depth study of a research problem leading to a Master's Thesis that summarizes the student's findings. The student defends the Thesis in a presentation that is open to the general public and evaluated by a faculty committee.

CIS6970 Thesis: Computer Science (3 Credits)

Major: Computing & Info Sciences

Concentration: Data Science (Non-Thesis)

Degree: Master of Science

Informational Text

The MS-CIS, Data Science concentration (Non-Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Research Experience I & II courses. During the Research Experience, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before completion 15 credit hours in the program.
5. Special Topics in Computing (CIS6930) may be approved by the Graduate

Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

CAP6768 Data Analytics (3 Credits)

CAP6610 Machine Learning (3 Credits)

COP6284 Programming for Data Science (3 Credits)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- CAP6777 Data Mining (3)
- CAP6100 User Experience Design (3)
- MAN6931 Data Visualization (3)
- CAP6776 Information Retrieval and Text Mining (3)
- CIS6930 Special Topics in Computing (3)

Research Core Requirements (6 credits)

Enroll in CIS6917 Research Experiences I and CIS 6918 Research Experiences II with a faculty member for three credits each in two semesters. During the Research Experience, the student will collaborate with a Computing faculty member on a research project. Before the end of the second of the two semesters, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency to fulfill the Research Experience requirement.

CIS6917 Research Experiences I (3 Credits)

CIS6918 Research Experiences II (3 Credits)

Major: Computing & Info Sciences
Concentration: Information Systems (Thesis)
Degree: Master of Science

Informational Text

The MS-CIS, Information Systems concentration (Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Thesis course for at least two semesters, which would require the student to conduct an in-depth study of a research problem leading to the composition of a Master's Thesis that summarizes the student's findings. The student must defend her/his thesis in a presentation that is open to the general public and evaluated by a faculty committee.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before

completion 15 credit hours in the program. 5. Special Topics in Computing (CIS6930) may be approved by the Graduate Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

CEN6016 Engineering of Software (3 Credits)

CEN6036 Software Architecture (3 Credits)

CAP6100 User Experience Design (3 Credits)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- ISM6021 Information Technology Management (3)
- CAP 6768 Data Analytics (3)
- CEN6070 Software Quality Assurance and Testing (3)
- CEN6001 Software Requirements Engineering (3)
- CIS6930 Special Topics in Computing (3)

Thesis (6 credits)

Enroll in CIS 6970 Thesis for at least two terms. More enrollments may be allowed to fulfill the thesis requirements, but only six credits are applicable to the degree. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor.

The student conducts an in-depth study of a research problem leading to a Master's Thesis that summarizes the student's findings. The student defends the Thesis in a presentation that is open to the general public and evaluated by a faculty committee.

CIS6970 Thesis: Computer Science (3 Credits)

Major: Computing & Info Sciences

Concentration: Information Sys. (Non-Thesis)

Degree: Master of Science

Informational Text

The MS-CIS, Information Systems concentration (Non-Thesis), requires a total of 30 graduate credit hours, of which 24 credit hours must be earned through coursework. The student must enroll in the graduate Research Experience I & II courses. During the Research Experience, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency.

An undergraduate degree in the chosen area or equivalent, or completion of the following background subjects at the undergraduate level is required for entry into the graduate program.

- Procedural and Object-Oriented Programming
- Data Structures
- Applied Discrete Mathematics
- Databases
- Computer Networks

Grades of "B" or above are expected in any undergraduate preparatory course work taken at UNF.

Conditions for the Masters:

1. A GPA of 3.0 or better must be maintained. A GPA below 3.0, receiving a grade below 'C+' in two courses, or receipt of 'D' or 'F' in one course will result in suspension from the program.
2. No more than 6 credit hours taken outside of the School can be included in the degree.
3. No more than 6 credit hours of 5000-level courses can be applied to the degree.
4. Students must declare thesis/non-thesis option before completion 15 credit hours in the program.
5. Special Topics in Computing (CIS6930) may be approved by the Graduate

Director to substitute any of the program courses.

Core Requirements (9 credits)

CIS6913 Research Methods in Computing (3 Credits)

CIS6372 Information Assurance (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Concentration Requirements (9 credits)

CEN6016 Engineering of Software (3 Credits)

CEN6036 Software Architecture (3 Credits)

CAP6100 User Experience Design (3 Credits)

Breadth Requirement (6 credits)

SELECT TWO of the following:

- ISM6021 Information Technology Management (3)
- CAP 6768 Data Analytics (3)
- CEN6070 Software Quality Assurance and Testing (3)
- CEN6860 Software Requirements Engineering (3)
- CIS6930 Special Topics in Computing (3)

Research Core Requirements (6 credits)

Enroll in CIS6917 Research Experiences I and CIS 6918 Research Experiences II with a faculty member for three credits each in two semesters. During the Research Experience, the student will collaborate with a Computing faculty member on a research project. Before the end of the second of the two semesters, the student is required to submit a manuscript to a journal or conference proceedings or submit a grant proposal to an external funding agency to fulfill the Research Experience requirement.

CIS6917 Research Experiences I (3 Credits)

CIS6918 Research Experiences II (3 Credits)

Major: Civil Engineering

Degree: Bachelor of Science

Prerequisites (27 credits)

CHM2045+L Gen Chemistry I + Lab (3+1)

(CHS1440 may be substituted for CHM2045)

MAC2311 (GM) Calculus I (4 Credits)

(Students must complete pre-calculus at the college level with a "C" or higher to take Calculus I. MAC2281 may be substituted for MAC2311)

MAC2312 (GM) Calculus II (4 Credits)

(MAC2282 may be substituted for MAC2312)

MAC2313 (GM) Calculus III (4 Credits)

(MAC2283 may be substituted for MAC2313)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

(MAP2283 may be substituted for MAP2302)

PHY1041 Physics for Engineers I (3 Credits)

PHY2048L Calculus-Based Physics I Lab (1 Credit)

(PHY2048C may be substituted for the lecture and the lab)

(PHY2043 may be substituted for the lecture)

PHY2042 Physics for Engineers II (3 Credits)

PHY2049L Calculus-Based Physics II Lab (1 Credit)

(PHY2049C may be substituted for the lecture and the lab)

(PHY2044 may be substituted for the lecture)

Foundation (14 credits)

Civil Engineering Foundation: (5 courses - 14 credit hours including natural science elective)

EGN1001C Introduction to Engineering I (2 Credits)

EGN3311 Statics (3 Credits)

STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

ENC3246 Prof. Comm: Engineering (3 Credits)

SELECT one of the following:

Additional natural sciences:

- BSC1010C General Biology
- BSC3057 Introduction to Environmental Studies
- ESC2000/2000L Earth Science & Lab
- GLY2010 Physical Geology (PHY2290 prior to 2015)

Core Requirements (16 credits)

Civil Engineering Core: (5 courses - 16 credit hours)

CES3100 Analysis of Structures (3 Credits)

CES3104 Mechanics Of Materials (3 Credits)

CGN3322C Civil Engineering Geomatics (4 Credits)

CWR3201 Fluid Mechanics (3 Credits)

EGN3321 Dynamics (3 Credits)

Major Requirements (36 credits)

Civil Engineering Major Requirements: (12 courses - 36 credit hours)

CEG3011C Geotechnical Engineering (4 Credits)

CES4702C Design of Reinforced Concrete (3 Credits)

CGN3501C Civil Engineering Materials (4 Credits)

CGN4151 Engineering Management (3 Credits)

CGN4803 Senior Capstone Design I (2 Credits)

CGN4804 Senior Capstone Design II (3 Credits)

CGN4935 FE Exam Review Seminar (1 Credit)

CWR3561 Numerical Methods and Computng (3 Credits)

CWR4001 Intro to Coastal and Port Eng (3 Credits)

CWR4202C Hydraulic Engineering (4 Credits)

ENV3001C Environmental Engineering (3 Credits)

TTE4004 Transportation Engineering (3 Credits)

Technical Electives (12 credits)

Civil Engineering Technical Electives (4 Courses, 12 Credits)

SELECT 12 credits from below

- CEG3111 Foundation Engineering (3)
- CEG4101 Analysis and Design of Foundation Systems (3)
- CEG4104 Analysis and Design of Earth Retaining Systems (3)
- CEG4302 Applied Engineering Geology (3)
- CES3605 Design of Steel Structures (3)
- CES4102 Matrix Structural Analysis (3)
- CES4321 Introduction to Bridge Engineering (3)
- CES4711 Prestressed Concrete (3)
- CGN3930 Special Topics in Civil Engineering (1-3)
- CGN4430 Risk Assessment (3)
- CGN4905 Directed Individual Study (1-3)
- CGN4931 Special Topics in Civil Engineering (1-3)
- CGN4949 Co-Op Work Experience (0-1)
- CGN4824 Principles of Land Development (3)
- CWR4024 Coastal and Estuarine Hydrodynamics (3)
- CWR4006 Coastal Processes (3)
- CWR4010 Field Methods (3)
- CWR4121 Groundwater Flow and Containment Transport (3)
- CWR4550 Water Wave Mechanics (3)
- CWR4600 Major River Systems of Florida (3)
- ENV4012 Adv. Environmental Engineering (3)
- TTE4201 Adv. Transportation Engineering (3)
- TTE4203 Highway Geometric Design (3)
- TTE4276 Intelligent Transportation Systems (3)
- TTE4314 Traffic Operations (3)
- Other 4000-level courses with prefixes CEG, CES, ENV, TTE, CWR, and CGN may be approved by a faculty advisor.
(XSUB4000)

Electives

No additional hours should be necessary to reach 120 hrs. If necessary, select additional courses to attain a total of 120 hours.

This area may include hours at any level (1000-4000).

ANY-HOURS FREE ELECTIVES (1000-4000)

Major: Electrical Engineering

Degree: BS in Electrical Engineering

Prerequisites (26 credits)

CHM2045 General Chemistry I (3 Credits)

- CHS1440 may be substituted for CHM2045.

MAC2311 (GM) Calculus I (4 Credits)

- Students must complete pre-calculus at the college level with a "C" or higher to take Calculus I.
- MACx281 may be substituted for MAC2311.

MAC2312 (GM) Calculus II (4 Credits)

- MACx282 may be substituted for MAC2312.

MAC2313 (GM) Calculus III (4 Credits)

- MACx283 may be substituted for MAC2313.

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

- MAPx305 may be substituted for MAP2302.

PHY2048C Calculus-based Physics I (4 Credits)

- PHY2048 and PHY2048L may be substituted for the lecture and the lab.
- PHYx041 may be substituted for the lecture.

PHY2049+L Calc-Based Phys II + L (3+1)

- PHY2049C may be substituted for the lecture and the lab.
- PHYx044 or PHYx042 may be substituted for the lecture.

Foundation (16 credits)

Electrical Engineering Foundation (5 Courses - 16 Credits)

COP2220 Programming I (3 Credits)

EEN1001 Introduction to Engineering I (2 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

STA4321 (GM)Probability and Statistics (4 Credits)

ENC3246 Prof. Comm: Engineering (3 Credits)

Core Requirements (48 credits)

Electrical Engineering Core (19 Courses - 48 Credits)

EEL3013 Modeling and Sim in EE (3 Credits)

EEE3308 Microelectronics I (3 Credits)

EEE4309 Microelectronics II (3 Credits)

EEE4309L Electronics Lab (1 Credit)

EEL3111 Circuit Analysis I (3 Credits)

EEL3112 Circuit Analysis II (3 Credits)

EEL3117L Electrical Circuits Laboratory (1 Credit)

EEL3135 Signals and Systems (3 Credits)

EEL3216 Introduction to Power Systems (3 Credits)

EEL3472 Electromagnetic Fields Applic (3 Credits)

EEL3701 Intro to Digital Systems (3 Credits)

EEL3701L Intro to Digital Systems Lab (1 Credit)

EEL4514 Communication Systems (3 Credits)

EEL4514L Communication Systems Lab (1 Credit)

EEL4657 Linear Control Systems (3 Credits)

EEL4657L Linear Control Systems Lab (1 Credit)

EEL4744C Microcontroller Applications (4 Credits)

EEL4914 Senior Capstone Design I (3 Credits)

EEL4915 Senior Capstone Design II (3 Credits)

Technical Electives (15 credits)

Electrical Engineering Technical Electives (15 Credits)

SELECT 15 credits from the following:

- EEL4081 Topics on Rehabilitation Engineering (3 Credits)
- EEL4220 Electric Machines (3 Credits)
- EEL4241 Power Electronics (3 Credits)
- EEL4283 Introduction to Renewable Energy (3 Credits)
- EEL4440 Optical Fiber Communications (3 Credits)
- EEL4580 Wireless and Mobile Communications (3 Credits)
- EEL4610 State-Space Control Systems (3 Credits)
- EEL4712 Digital Design (3 Credits)
- EEL4712L Digital Design Lab (1 Credit)
- EEL4713C Introduction to Instrumentation (4 credits)
- EEL4750 Intro to Digital Signal Processing (3 Credits)
- EEL4750L Digital Signal Processing Lab (1 Credit)
- EEL4829 Digital Image Processing (3 Credits)
- EEL4905 Undergraduate Supervised Research (1-3 Credits; Repeatable to a maximum of 6 Credits)
- EEL4949 Co-Op Experience (0-1 Credits, Repeatable to a maximum of 3 Credits)
- EEL4930 Special Topics in Electrical Engineering (1-3 Credits)
- EEL4931 Special Topics in Electrical Engineering (1-4 Credits)
- Any other 4000-level courses with either an EEE or EEL prefix
- Students may take no more than 6 credit hours at either 3000 or 4000 level from Physics, Mathematics, Computing or Engineering to count towards technical elective credit hours

Electives

No additional hours should be necessary to reach 120 credit hours. If necessary, select additional courses to attain a total of 120 hours. This area includes hours at any level (1000-4000).

ANYLEVEL credits for 120 total hours.

Major: Mechanical Engineering

Degree: Bachelor of Science

Prerequisites (27 credits)

CHM2045+L Gen Chemistry I + Lab (3+1)

(CHS1440 may be substituted for CHM2045)

MAC2311 (GM) Calculus I (4 Credits)

(Students must complete pre-calculus at the college level with a "C" or higher to take Calculus I. MAC2281 may be substituted for MAC2311)

MAC2312 (GM) Calculus II (4 Credits)

(MAC2282 may be substituted for MAC2312)

MAC2313 (GM) Calculus III (4 Credits)

(MAC2283 may be substituted for MAC2313)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

(MAP2283 may be substituted for MAP2302)

PHY1041 Physics for Engineers I (3 Credits)

PHY2048L Calculus-Based Physics I Lab (1 Credit)

(PHY2048C may be substituted for the lecture and the lab)

(PHY2043 may be substituted for the lecture)

PHY2042 Physics for Engineers II (3 Credits)

PHY2049L Calculus-Based Physics II Lab (1 Credit)

(PHY2049C may be substituted for the lecture and the lab)

(PHY2044 may be substituted for the lecture)

Foundation (17 credits)

Mechanical Engineering Foundation (6 Courses - 17 Credits)

COP2220 Programming I (3 Credits)

EEL3111 Circuit Analysis I (3 Credits)

EGN1001C Introduction to Engineering I (2 Credits)

EGN3311 Statics (3 Credits)

STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

ENC3246 Prof. Comm: Engineering (3 Credits)

Core Requirements (18 credits)

Mechanical Engineering Core (6 Courses - 18 Credits)

EGN3203 Modern Computational Methods (3 Credits)

EGN3321 Dynamics (3 Credits)

EGN3331 Strength of Materials (3 Credits)

EML3100 Thermodynamics I (3 Credits)

EML4551 Senior Capstone Design I (3 Credits)

EML4552 Senior Capstone Design II (3 Credits)

Major Requirements (31 credits)

Mechanical Engineering Major Requirements (12 Courses - 31 Credits)

EMA3010 Intro to Materials Science (3 Credits)

EML3015 Fluids (3 Credits)

EML3101 Thermodynamics II (3 Credits)

EML3535C Modern Engineering CAD (2 Credits)

EML4004L Thermal Sciences Lab II (1 Credit)

EML4140 Heat Transfer (3 Credits)

EML4301C Control of Machinery (3 Credits)

EML4304L Thermal Sciences Lab I (1 Credit)

EML4312 Model/Analysis Dynamic Systems (3 Credits)

EML4320C Integrated Design/Manufacture (3 Credits)

EML4501 Machine Design (3 Credits)

Technical Electives (12 credits)

Mechanical Engineering Technical Electives (12 Credits)

SELECT 12 credits from the list below

- EML3553 Project Engineering (3 Credits)
- EML4414 Heat Power Engineering (3 Credits)
- EML4544 Materials and Handling I (3 Credits)
- EML4601 HVAC Systems (3 Credits)
- EML4622 Clean and Renewable Energy Technology (3 C)
- EML4804 Mechatronics (3 Credits)
- EML4806 Robotics Engineering (3 Credits)
- EML4905 Directed Independent Study (1-3 Credits)
- EML4911 Supervised Undergraduate Research (1-3 Credits)
- EML4421 Internal Combustion Engines (3 Credits)
- EML4930 Special Topics: Mech Engineering (1-3 Credits)
- EML4949 Co-Op Work Experience (0-1 Credits, Repeatable to a maximum of 3 Credits)
- EGN4042 Problem Solving and Continuous Improvement Methods in Engineering (3 Credits)
- MAS3105 Linear Algebra (4 Credits)
- EMA4502 Materials Characterization (3 Credits)
- EMA4704 Materials Selection (3 Credits)
- EGS3065 Professional Issues in Engineering
- Any other 3000 or 4000 level courses with either an EML, EGN, or EMA prefix
- Students may take no more than 6 credit hours at either 3000 or 4000 level from Chemistry, Physics, Mathematics, Computing, Civil Engineering, or Electrical Engineering to count towards technical elective credit hours
- Mechanical Engineering Graduate Level Courses (1-9 Credits)*

Up to 9 credit hours of graduate level course work may be used towards technical electives at the undergraduate level. Students wishing to take graduate credits while in undergraduate status must receive approval from the School of Engineering Director prior to registering for the graduate level course(s).

Electives

No additional hours should be necessary. If necessary, select additional courses to attain a total of 120 hours. This area may include hours at any level (1000-4000).

ANY-HOURS FREE ELECTIVES (1000-4000)

Major: Civil Engineering

Degree: MS in Civil Engineering

Major Requirements

The Civil Engineering Master's Degree (MSCE) consists of a minimum of thirty credit hours.

Students in the Civil Engineering Major may select either a thesis or a non-thesis option. Students in the Coastal and Port Engineering major must complete a thesis.

All programs of study must be approved by the School of Engineering Graduate Program Director prior to the end of the second semester of graduate study. UNF Conditions for the Degree:

1. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, the student will be placed on Academic Probation.
2. At least 18 hours of coursework at the 6000-level must be applied to the degree.
3. All coursework for a graduate or post-baccalaureate professional degree must be completed within six years of a master's degree-seeking student being admitted to a graduate program. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

School of Engineering Conditions for the Degree:

1. All coursework must be completed with a grade of "C" or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. No more than 6.0 hours of transfer coursework can be applied to the degree. However, a student may transfer up to 12.0 hours from online graduate classes taken within the Florida State University System, provided the total of all transfer courses does not exceed 12 credit hours.
4. A student may not receive 5000-level credit for a cross-listed 4000/5000-level course previously completed at the 4000-level. Exceptions to this rule may be considered with documented evidence of significant and appropriate differences in content between the courses.

Major Requirements (6 credits)

Required Courses for the Civil Engineering Major

EGN6456 Advanced Engineering Analysis (3 Credits)

An approved graduate mathematics course may be substituted for this course. See the list of approved electives in the School of Engineering office.

EGN6457 Adv. Res. Methods for Engineer (3 Credits)

Major Electives (12 credits)

electives or other Civil Engineering electives as approved by the Graduate Advisor.

SELECT 12 credit hours of electives

- CGN6125 Legal Considerations in Engineering and Construction (3)
- CEG5304 Applied Engineering Geology (3)
- CEG6016 Adv Geotechnical Engineering (3)
- CEG6018 Applied Computational Geotechnics (3)
- CEG6118 Advanced Foundation Engineering (3)
- CEG6320 Drilled Shafts in Rock (3)
- CEG6806 Ground and Site Improvement (3)
- CES5326 Bridge Engineering (3)
- CES5706 Advanced Reinforced Concrete (3)
- CES6144 Matrix Structural Analysis (3)
- CES6715 Prestressed Concrete (3)
- CES6116 Finite Element (3)
- CGN5010 Math Methods for Engineers (3)
- CGN 5320 Adv. GIS Applications in Civil Eng. (3)
- CGN6875C Adv Concrete Materials/Methods (3)
- CGN5406 Risk Assessment (3)
- CWR5545 Water Resources Systems (3)
- CWR5305 Stormwater Management (3)
- CWR6005 Introduction to Coastal Engineering (3)
- CWR6150 Engineering Hydrology (3)
- CWR6236 River Engineering/Sediment Transport (3)
- CWR5128 Advanced Groundwater Flow and Containment Transport (3)
- CWR6605 Major River Systems of Florida (3)
- CWR5007 Coastal Processes (3)
- CWR5008 Intro to Coastal and Port Engineering (3)
- CWR5015 Field Methods (3)
- CWR5025 Water Wave Mechanics (3)

- CWR5824 Coastal & Estuarine Hydrodynamics (3)
- CWR5830 Port & Harbor Engineering (3)
- CWR5531 Numerical Modeling of Coastal Systems (3)
- CWR6560 Adv Numerical Modeling of Coast Systems (3)
- ENV5640 Design of Water Qual Mgmt Facilities (3)
- ENV6510 Aquatic Chemical Processes (3)
- ENV6511 Biological Treatment Systems (3)
- ENV6519 Physical/Chemical Treatment Systems (3)
- TTE5805 Advanced Highway Geometric Design (3)
- TTE5255 Traffic Signal Systems (3)
- TTE5205 Operational Anal of Trans Facilities (3)
- TTE6272 Intelligent Transportation Systems (3)
- TTE6315 Highway Safety Analysis (3)
- CGN5932 Special Topics in Civil Engineering (variable 1 to 3 credit hours) can be repeated up to 6 credits
- CGN6933 Special Topics in Civil Engineering (variable 1 to 3 credit hours) can be repeated up to 6 credits
- CGN6900 Supervised Graduate Research (3) can be repeated up to 6 credit hours.

Culminating Experience (12 credits)

Select sufficient hours of Non-Civil Engineering Electives at the graduate level to earn a total of 30 credits in the program. Civil Engineering electives may be used to satisfy this requirement.

- Thesis Option: Select up to 6 credits of Non-Civil Engineering Electives in addition to thesis requirements. Electives must be approved by the Graduate Advisor.
- Non-Thesis Option: Select up to 12 credits of Non-Civil Engineering Electives. A list of approved electives is available in the School of Engineering.

THESIS Option:

Take CGN6970 for 1 to 6 credits in addition to two approved electives for an additional 6 credits. CGN6970 may be repeated for up to 6 credits.

NONTHESIS Option:

Take 12 credits of approved electives.

Major: Coastal and Port Engineering

Degree: MS in Civil Engineering

Major Requirements

The Civil Engineering Master's Degree (MSCE) consists of a minimum of thirty credit hours.

Students in the Civil Engineering Major may select either a thesis or a non-thesis option. Students in the Coastal and Port Engineering major must complete a thesis.

All programs of study must be approved by the School of Engineering Graduate Program Director prior to the end of the second semester of graduate study. UNF Conditions for the Degree:

1. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, the student will be placed on Academic Probation.
2. At least 18 hours of coursework at the 6000-level must be applied to the degree.
3. All coursework for a graduate or post-baccalaureate professional degree must be completed within six years of a master's degree-seeking student being admitted to a graduate program. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

School of Engineering Conditions for the Degree:

1. All coursework must be completed with a grade of "C" or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. No more than 6.0 hours of transfer coursework can be applied to the degree. However, a student may transfer up to 12.0 hours from online graduate classes taken within the Florida State University System, provided the total of all transfer courses does not exceed 12 credit hours.
4. A student may not receive 5000-level credit for a cross-listed 4000/5000-level course previously completed at the 4000-level. Exceptions to this rule may be considered with documented evidence of significant and appropriate differences in content between the courses.

Major Requirements (6 credits)

CGN5406 Risk Assessment (3 Credits)

EGN6457 Adv. Res. Methods for Engineer (3 Credits)

Culminating Experience (6 credits)

Take CGN6970 Civil Engineering Thesis for a total of 6 credits.
There is no "non-thesis" option in this major.

CGN6970 CE Master's Thesis (1-6 Credits)

Major Electives (18 credits)

CHOOSE Four Required Electives (12)

- CWR5008 Intro to Coastal & Port Engineering (3)
- CWR5824 Coastal & Estuarine Hydrodynamics (3)
- CWR5015 Advanced Field Methods (3)
- CWR5531 Numerical Modeling of Coastal Systems (3)
- CWR5830 Port & Harbor Engineering (3)
- CWR5025 Water Wave Mechanics (3)
- CWR6150 Engineering Hydrology (3)
- CGN6335 Advanced Oceanography & Meteorology (3)

TAKE Additional Electives (6)

- Any required elective course not taken as a required elective
- CGN 5320 Adv. GIS Applications in Civil Eng. (3)
- CWR5007 Coastal Processes (3)
- CWR5545 Water Resources (3)
- CWR6560 Advanced Numerical Modeling of Coastal Systems (3)
- CWR6605 Major River Systems of Florida (3)
- CWR5820 Coastal Structures (3)
- CWR5526 Computational Fluid Dynamics (3)
- CWR5241 Sediment Transport (3)
- CWR6285 Turbulence (3)
- CWR6026 Nonlinear Waves (3)
- CGN6900 Independent Study (3)

Major: Mechanical Engineering

Degree: MS in Mechanical Engineering

Major Requirements (12 credits)

The Mechanical Engineering Master's Degree consists of a minimum of 30 credits.

This is a research-based program that includes a thesis requirement.

UNF Conditions for the Degree:

For more details on the below and additional conditions, refer to the UNF Graduate School's webpage at <http://www.unf.edu/graduateschool/>

1. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, probation will result.
2. At least 18 credits of coursework at the 6000-level must be applied toward the degree.
3. All coursework for a graduate or post-baccalaureate professional degree must be completed within six years of a master's degree-seeking student being admitted to a graduate program. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

School of Engineering Conditions for the Degree:

1. All coursework must be completed with a grade of 'C' or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. No more than 6 credits of transfer coursework can be applied to the degree. However, a student may transfer up to 12 credits from online courses through the Florida State University System (SUS) provided the transfer courses do not exceed 12 credits.
4. A student may not receive 5000-level credit for a cross-listed 4000/5000-level course previously completed at the 4000-level. Exceptions to this rule may be considered with documented evidence of significant and appropriate differences in content between the courses.

Mechanical Engineering Program Milestones

1. Formation of Thesis Committee: Should occur no later than the end of the term in which the student takes "Fundamentals of Graduate Research in Mechanical Engineering."
2. Successful Defense of Thesis Proposal: Required prior to taking EML6972 Mechanical Engineering Master's Thesis. Failing to successfully defend a proposal will hinder the student from taking EML6972 without the permission of the thesis committee. Failure to successfully complete the thesis proposal will result in one of three outcomes:
 - a. The student will be required to make minor modifications to the proposal. This will not require the student to re-defend the proposal and will allow the student to take EML6972 Mechanical Engineering Thesis for one semester without successfully defending the proposal.
 - b. The student will be required to complete major modifications to the proposal. This will require the student to re-defend the proposal and the student cannot register for EML6972 Mechanical Engineering Thesis until successfully defending the proposal. A second unsuccessful attempt at defending the thesis proposal will result in automatic dismissal from the program.
 - c. The thesis proposal may be rejected outright. This results in the student's dismissal from the program.
3. Successful Defense of Thesis: Required to earn the Master of Science in Mechanical Engineering. Failure to successfully defend the master's thesis results in one of two outcomes:
 - a. The student will be required to make minor modifications to the thesis. This will not require the student to re-defend the thesis. The student will resubmit the written thesis to the committee for approval prior to graduating.
 - b. The student will be required to make major modifications to the thesis and re-defend the thesis. A second unsuccessful defense of the thesis results in an inability to graduate.

EML6900 Supervised Graduate Research (1-6 Credits)

EML6900 Supervised Graduate Research hours can be substituted for other mechanical engineering graduate elective courses or approved non-mechanical engineering elective courses. All substitutions require the approval of the thesis committee.

EML6910 Fundamental Grad Research (3 Credits)

EML6912 Intern. Grad. Research in ME (3 Credits)

Culminating Experience (6 credits)

EML6972 ME Master's Thesis (1-6 Credits)

Major Electives (12 credits)

Select a minimum of 12 credits from the below options. All electives must be approved by the Graduate Faculty Advisor.

At the discretion of the thesis committee, students may use up to 6 additional credit hours of Mechanical Engineering graduate electives towards the degree. These can be substituted for up to 6 credits of the EML6900 Supervised Graduate Research requirement.

Mechanical engineering elective courses may also be selected from online courses offered by the Florida State University System (SUS) within the limitations discussed above, and must be approved by the Graduate Faculty Advisor.

CHOOSE 12 credits of electives

- EML5808 Robotics Engineering (3)
- EML6809 Intelligent Planning of Robotic Systems (3)
- EML5315 Advanced Control System Theory (3)
- EML6311 Modern Control Engineering (3)
- EML5508 Finite Element Modeling and Analysis (3)
- EML5211 Introduction to Continuum Mechanics (3)
- EGN6333 Advanced Mechanics of Materials (3)
- EML5105 Classical & Statistical Thermodynamics (3)
- EML5131 Combustion Phenomena (3)
- EML6451 Energy Conversion (3)
- EML5403 Fuel Cells (3)
- EML6417 Solar Energy Devices (3)
- EML5606 Air Conditioning and Refrigeration (3)
- EML5932 Special Topics in Mech Engineering (1-3)
- EML6933 Special Topics in Mech Engineering (1-3)

Technical Electives

No other electives are required for this degree. At the discretion and approval of the thesis committee, students may use up to 6 credits of non-Mechanical Engineering electives towards the degree. These credits can be substituted for the EML6900 Supervised Graduate Research requirement. Graduate Credit Hours Completed Prior to Admission into MSME Program

Up to 12 credit hours of graduate level course work completed while in undergraduate status at UNF may be used towards the MSME degree. A grade of B or higher in the course(s) must be earned if the course(s) is to count towards the graduate program of study.

Undergraduate students require approval by the School of Engineering Director prior to registering for graduate level course(s).

NO OTHER electives are required.

Major: Civil Engineering
Concentration: Coastal and Port Engineering
Degree: Bachelor of Science

Prerequisites (27 credits)

CHM2045+L Gen Chemistry I + Lab (3+1)

(CHS1440 may be substituted for CHM2045)

MAC2311 (GM) Calculus I (4 Credits)

(Students must complete pre-calculus at the college level with a "C" or higher to take Calculus I. MAC2281 may be substituted for MAC2311)

MAC2312 (GM) Calculus II (4 Credits)

(MAC2282 may be substituted for MAC2312)

MAC2313 (GM) Calculus III (4 Credits)

(MAC2283 may be substituted for MAC2313)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

(MAP2283 may be substituted for MAP2302)

PHY1041 Physics for Engineers I (3 Credits)

PHY2048L Calculus-Based Physics I Lab (1 Credit)

(PHY2048C may be substituted for the lecture and the lab)

(PHY2043 may be substituted for the lecture)

PHY2042 Physics for Engineers II (3 Credits)

PHY2049L Calculus-Based Physics II Lab (1 Credit)

(PHY2049C may be substituted for the lecture and the lab)

(PHY2044 may be substituted for the lecture)

Foundation (14 credits)

Civil Engineering Foundation: (5 courses - 14 credit hours including natural science elective)

EGN1001C Introduction to Engineering I (2 Credits)

EGN3311 Statics (3 Credits)

STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

ENC3246 Prof. Comm: Engineering (3 Credits)

SELECT one of the following:

Additional natural sciences:

- BSC1010C General Biology
- BSC3057 Introduction to Environmental Studies
- ESC2000/2000L Earth Science & Lab
- GLY2010 Physical Geology (PHY2290 prior to 2015)

Core Requirements (16 credits)

Civil Engineering Core: (5 courses - 16 credit hours)

CES3100 Analysis of Structures (3 Credits)

CES3104 Mechanics Of Materials (3 Credits)

CGN3322C Civil Engineering Geomatics (4 Credits)

CWR3201 Fluid Mechanics (3 Credits)

EGN3321 Dynamics (3 Credits)

Major Requirements (36 credits)

Civil Engineering Major Requirements: (12 courses - 36 credit hours)

CEG3011C Geotechnical Engineering (4 Credits)

CES4702C Design of Reinforced Concrete (3 Credits)

CGN3501C Civil Engineering Materials (4 Credits)

CGN4151 Engineering Management (3 Credits)

CGN4803 Senior Capstone Design I (2 Credits)

CGN4804 Senior Capstone Design II (3 Credits)

CGN4935 FE Exam Review Seminar (1 Credit)

CWR3561 Numerical Methods and Computing (3 Credits)

CWR4001 Intro to Coastal and Port Eng (3 Credits)

CWR4202C Hydraulic Engineering (4 Credits)

ENV3001C Environmental Engineering (3 Credits)

TTE4004 Transportation Engineering (3 Credits)

Technical Electives (15 credits)

SELECT 15 credits from below

- CGN3930 Special Topics in Civil Engineering (1-3)
- CGN4430 Risk Assessment (3)
- CGN4905 Directed Individual Study (1-3)
- CGN4931 Special Topics in Civil Engineering (1-3)
- CGN4949 Co-Op Work Experience (0-1)
- CWR4024 Coastal and Estuarine Hydrodynamics (3)
- CWR4006 Coastal Processes (3)
- CWR4010 Field Methods (3)
- CWR4121 Groundwater Flow and Containment Transport (3)
- CWR4550 Water Wave Mechanics (3)
- CWR4600 Major River Systems of Florida (3)
- CWR4009 Oceanography/Meteorology (3)
- Other 4000-level courses with prefixes CWR and CGN may be approved by a faculty advisor. (XSUB4000)

Electives

No additional hours should be necessary to reach 120 hrs. If necessary, select additional courses to attain a total of 120 hours. This area may include hours at any level (1000-4000).

ANY-HOURS FREE ELECTIVES (1000-4000)

Major: Coastal Port Eng. Certificate

Degree: Undergraduate Certificate

Certificate Requirements (19 credits)

(7 courses - 19 credits)

Coastal and Port Engineering Certificate: Conditions for the Certificate:

1. All coursework must be completed at UNF.
2. All coursework must be completed with a grade of "C" or better.
3. Must be enrolled in an Engineering BS program.

REQUIRED Courses (10 credits)

- CWR4001 Intro to Coastal and Port Engineering (3)
- CWR4010 Field Methods (3)
- CGN4803 Senior Capstone I (1)
- CGN4804 Senior Capstone II (3)

SELECT-ONE of the following (3 Credits):

Select at least one of the following courses:

- STA3032 Engineering Statistics (3)
- CWR4006 Coastal Processes (3)

SELECT-TWO courses from the following:

Select an additional 2 courses (6 credits) from:

- TTE4004 Transportation Engineering (3)
- TRA4202 Logistics Systems Management (3)
- CWR4550 Water Wave Mechanics (3)
- CWR4600 Major River Systems of Florida (3)
- CWR4006 Coastal Processes (3)
- STA3032 Engineering Statistics (3)
- (3)
- CGN4430 Risk Assessment (3)
- Internship in Coastal or Port Engineering
- Other electives may be taken if approved by Program Director

Major: Electrical Engineering

Degree: MS in Electrical Engineering

Major Requirements

The Electrical Engineering master's degree consists of a minimum of 30 credit hours and includes a thesis.

UNF Conditions for the Degree:

For more details on the below and additional conditions, refer to the UNF Graduate School's webpage at <http://www.unf.edu/graduateschool/>

- A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
- At least 18 credits of coursework at the 6000-level must be applied toward the degree.
- All coursework for a graduate or post-baccalaureate professional degree must be completed within six years of a master's degree-seeking student being admitted to a graduate program. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

School of Engineering Conditions for the Degree:

- All coursework must be completed with a grade of B or better.
- A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
- No more than 6 credits of transfer coursework can be applied to the degree, with the following exception: the student may transfer no more than 12 credits if at least 6 credits come from online courses from within the Florida State University System.
- A student may not receive 5000-level credit for a cross-listed 4000/5000-level course previously completed at the 4000-level.
- Before completing EEL 6971 Master's Thesis Proposal Defense, the student is required to conduct an oral Thesis Proposal Defense with his/her thesis committee. The student cannot enroll in EEL 6972 Master's Thesis without first successfully defending his/her thesis proposal.
- Prior to graduation, the student is required to submit a peer-reviewed publication on which the student is a co-author.

Major Electives (12 credits)

All elective course must be approved by the student's thesis advisor prior to enrollment.

SELECT 12 Credits of Electives

- Any EEE / EEL prefix courses at either the 5000 or 6000 level
- 5000 or 6000 level courses from Computing, Engineering, Mathematics, Physics, or online graduate courses from the Florida State University System as approved by the student's thesis advisor

Culminating Experience (18 credits)

TAKE Thesis Proposal Courses

Every Electrical Engineering Master's student is required to complete 6 credits of Master's Thesis Proposal courses. Successful completion of these thesis proposal courses is contingent upon the student submitting a written thesis proposal and conducting an oral defense of that proposal to a thesis committee. A thesis proposal form signed by the committee as well as a passing grade in EEL6971 Master's Thesis Proposal Defense is required to enroll in EEL6972 Master's Thesis.

- EEL6970 Master's Thesis Proposal Development (3)
- EEL6971 Master's Thesis Proposal Defense (3)

THEN TAKE Master's Thesis Courses

Every Electrical Engineering student is required to complete 12 credit hours of Master's Thesis courses. Once a student enrolls in Master's Thesis credits, continuous enrollment is required until the student successfully submits a written thesis document according to the requirements of UNF's Graduate School and conducts an oral defense of that thesis.

- EEL6972 Master's Thesis (1-6)



College of Education and Human Services Overview

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Vision

The vision of the College of Education and Human Services is to be a premier college that is globally recognized for innovative programs and practices, impacts our fields through high quality teaching, scholarship, and service, and prepares graduates who are transformative leaders in their professions.

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Mission

The mission of the College of Education and Human Services is to:

- Collaborate with local, regional, national, and international stakeholders to promote transformational learning experiences;
- Establish and nurture partnerships with local institutions and agencies to address the needs of our community, which is inclusive of urban areas;
- Develop and offer rigorous programs of study that promote high standards;
- Use evidence-based practices to prepare effective practitioners who exhibit a professional disposition;
- Contribute to the knowledge base in our disciplines through quality scholarship; and
- Model and foster a commitment to professional growth, critical

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and creative thinking, and reflective practice.

Values

The College of Education and Human Services values:

- Integrity that informs ethical behavior and professional excellence;
- Active engagement in efforts to promote equity and social justice;
- Respect for others demonstrated by caring, compassion, and cultural sensitivity; and
- Intellectual curiosity that leads to professional scholarship and innovation.

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Accreditation

The Teacher Education Unit at the University of North Florida is accredited by:

- National Council for Accreditation of Teacher Education (NCATE)/ Council for the Accreditation of Educator Preparation (CAEP)
1140 19th St NW, Suite 400 Washington, DC 22036

Programs in Education are accredited and approved by the following:

- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Florida Department of Education (FDOE)

Programs in Sport Management are accredited and approved (with notes) by the following:

- Commission on Sport Management Accreditation (COSMA)

Programs in ASL/English Interpreting are accredited by the following:

- Commission on Collegiate Interpreter Education (CCIE)

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College of Education and Human Services

Contact Information

Location: Building 57

Phone: (904) 620-2520

Email: coehs@unf.edu

Mailing Address:

University of North Florida

College of Education and Human Services

1 UNF Drive, Building 57

Jacksonville, 32224-7699

Dean's Office

Location: Building 57, Room 3600

Jennifer Kane, Interim Dean and Associate Dean for Academic Affairs

jkane@unf.edu

Dan Dinsmore, Associate Dean for Research and Faculty Development

daniel.dinsmore@unf.edu

Inger McGee, Director of Assessment & Research

inger.mcgee@unf.edu

The College of Education and Human Services has long valued its role in the preparation of teaching professionals. The ever-broadening, increasingly diverse needs of society, however, have created a continuing demand not only for qualified teachers, but for

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other professionals as well. To help meet this demand, the college has expanded its programs. Students may now choose from career paths in teaching in the K-12 school settings, careers in sport leadership, English/American sign language interpreting or disability services. The college's theme, "Partnering to Make the World a Better Place," exemplifies the mission to prepare and renew professionals who are equipped to live in pluralistic societies, capable of creating learning communities which focus on continued improvement of the teaching and learning process. Emphasis is placed on application of theory to practice with nearby schools and agencies serving as laboratories for learning.



College of Education and Human Services Office of Academic Support and Information Services

Web

Address: http://www.unf.edu/coehs/oasis/Academic_Advising.aspx

[Cathy O'Farrell](#), Director

Academic Advising

[Randall Crawford](#), Academic Advisor, Secondary Education, Sport Management

[Daniel Ross](#), Academic Advisor, Elementary Education, Early Childhood Education

[Hailey Sackett](#), Academic Advisor, Elementary Education, Exceptional Student Education, Deaf Education, ASL/English Interpreting

Undergraduate

The Office of Academic Support and Information Services (OASIS) provides individualized academic advisement to all students in the College. During the initial advising conference, the advisor will help the student (1) select the major which will lead the student to achieving career goals, (2) evaluate the student's lower-division course work to determine whether prerequisites for the major have been met, (3) plan a tentative program of study for the student to follow which will lead to graduation in the desired major, and (4) provide the student with a copy of this tentative program. The tentative program will be finalized when the student is fully admitted to the college.

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Students are encouraged to visit the Office of Academic Support and Information Services to meet with an academic advisor as early as possible so that a program of study may be prepared. This will provide students with a well-defined set of program requirements and enable them to progress in an efficient manner toward the completion of a degree. The Office of Academic Support and Information Services is located in Petway Hall, Suite 1300, (904) 620-3934.

***Academic advising is provided to all students in the college. Students' failure to seek advisement has historically resulted in scheduling problems, incomplete certification requirements, and delayed program completion. The College is not responsible for problems due to students' failure to consult with advisors.*

Graduate

Graduate students are expected to meet as soon as possible with their assigned faculty advisor to determine appropriate course work for their desired major. During the initial advising conference, the faculty advisor will help the student (1) select the major which will lead the student to achieving career goals, (2) evaluate the student's baccalaureate level course work to determine whether prerequisites for the major have been met, (3) plan a tentative program of study for the student to follow which will lead to graduation in the desired major, and (4) provide the student with a copy of this tentative program. The tentative program will be finalized when the student is fully admitted to the college.

Students are provided with the names, telephone numbers and office location of their faculty advisor in their acceptance letter. Students with specific questions or concerns about university policies or regulations may visit the Office of Academic Support and Information Services located in Petway Hall, Suite 1300, (904) 620-3934.

Clinical Logistics

All undergraduate and graduate programs in the College of Education and Human Services involve a variety of clinical experiences.

All students enrolled in College of Education and Human Services courses requiring clinical experiences in schools or require the student to complete requirements at a school are mandated by state

law to have a Level 2 background check (including fingerprints) done by the school district prior to being permitted on elementary and secondary school campuses. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office Academic Support and Information Services for information regarding fingerprinting procedures.

Students participating in teacher education internships must submit an application for internship no later than the fourth Friday of the semester preceding the semester of internship (excluding summer terms). Each semester the College reviews all internship applications to assure the student has met all requirements for internship, including:

1. Current status as a student in good academic standing (2.5 Cumulative GPA);
2. Completion of all lower division general education and prerequisite courses with grades of “C” or higher;
3. Completion of all college and program required courses with grades of “C” or higher;
4. Completion of mandatory criminal background checks and official fingerprinting in consonance with the policies of local school districts and state mandates.
5. Documentation of completion of Professional Education Exam (PED) and respective Subject-Area Exam (SAE)

All student-teaching internships are considered full-time experiences. Students must adhere to the professional work responsibilities expected of all teachers in the schools in which internship experiences are held.

Please contact the Office of Academic Support and Information Services (located in Petway Hall, Suite 1300, 904-620-3934) for more information on fingerprinting, internship, and other clinical experiences.

Recruitment and Outreach

[Jade Yuen](#), Coordinator of Recruitment and Outreach

The College of Education and Human Services (COEHS) has a dedicated coordinator for recruitment and outreach for the Northeast Florida Region. This person is responsible for being at recruitment events in the community as well as our local state and community

colleges. The coordinator also participates and presents college information at college fairs, local high school teacher academies, open houses, and many other events in the Northeast Florida Community.

Career Services

[Patti Palmer](#), Coordinator of Career and Employer Services

The College of Education and Human Services is committed to making sure that students have a clear career path once they graduate. Our Career and Employer Services Coordinator is in the Academic Support and Information Services office to help a student navigate a path to earning their dream job or continuing their education. Mock interviews, resume critiques and workshops, and other services are provided to make sure the College produces successful graduates.



College of Education and Human Services Undergraduate Academic Policies

Undergraduate Admission into Teacher Education Programs

Students seeking admission into a state approved teacher education program within the College of Education and Human Services must have completed a minimum of 60 semester hours from UNF or other regionally accredited educational institution(s). An Associate of Arts degree (AA) from one of Florida's State Colleges or SUS schools satisfies General Education and Gordon Rule requirements. In addition a minimum grade of "C" in all lower and upper level classes is required for the major including all General Education and prerequisite course work. Students must have a minimum grade point average (GPA) of a 2.5 or higher in all course work taken at UNF as well as from all previously attended institutions. Students must present passing scores on all four parts of the [General Knowledge Test \(GK\)](#) in order to be considered for admission into the College of Education and Human Services Teacher Education programs. GK scores must be submitted before a decision can be made.

Probation/Suspension

An admitted undergraduate education major who fails to earn a cumulative or term average of 2.5 after completing a cumulative total of 15 or more credits will be placed on academic probation and referred to an academic advisor. Academic probation is a warning. If both the term and cumulative GPA fall below 2.5 during the next term of enrollment, the student will be eligible for suspension. If suspended, the student will be dropped from any courses for which

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they are currently registered and denied the opportunity to re-enroll. The student should contact the Office of Academic Support and Information Services located in Building 57 Suite 1300, (904) 620-3934.



College of Education and Human Services Undergraduate Degree Requirements

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- [Teacher Certification](#)
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- [Pre-Internship](#)
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- [General Education and College Prerequisites](#)
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- [Teacher-Certification-Only](#)

Admission Requirements

Applicants must meet minimum requirements for admission to undergraduate programs as established by State of Florida rule and University of North Florida policy.

All programs presuppose that students have sufficient academic background to pursue the professional courses provided in the College of Education and Human Services. For specific requirements, refer to programs of study for each major.

Special Requirements for Admission to Bachelor of Arts in Education Programs leading to Teacher Certification

The Florida Board of Education requires that applicants for undergraduate teacher education programs meet the admissions

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requirements stated below to be directly admitted into any undergraduate teacher education program offered by the College of Education and Human Services:

1. Students who have completed a minimum of 60 semester hours or who have earned an Associate of Arts degree from a Florida public educational institution with a cumulative GPA of 2.5 or better and who have passing scores on all four parts of the General Knowledge (GK) Test.
2. Students who have completed a bachelor's degree from a regionally accredited institution with a minimum GPA of 2.5 and who have passing scores on all four parts of the GK Test.

Transferring student, students changing majors, or student who have not presented passing scores on all parts of the GK will not be admitted into the College of Education and Human Services and will not be permitted to take upper level education classes.

Students not meeting the minimum GPA admissions requirements for the College of Education and Human Services may apply for admission under the College's Exceptions Policy.

An official copy of the GK Test scores must be sent to the Office of Academic Support and Information Services in the College of Education and Human Services, Building 57, Suite 1300.

Additional information regarding admission is available from the Office of Academic Support and Information Services at (904) 620-3934.

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Graduation Requirements

Requirements for the Bachelor of Arts in Education degree are as follows:

1. Satisfactory completion of the minimum number of credits required by the program of study, of which at least 48 credits must be earned at the upper-level.
2. Satisfactory completion of the last 30 upper-level credits in the degree program in residence at UNF.
3. Satisfactory completion of all field experience and internship requirements.
4. Successful completion of all critical task assignments for the

given major.

5. Passing scores on all parts of the (a) General Knowledge Test, (b) Professional Education Examination (PED) and (c) Subject Area Examination (SAE) components of the Florida Teacher Certification Exam (FTCE).** It is required that students arrange to take the PED and the SAE portions of the FTCE in the semester prior to the semester in which they plan to enroll in their student teaching internship. Internship cannot be completed without successful completion of all parts of the FTCE.
6. Grades lower than “C” at either the lower division or upper division level will not be applied toward the completion of the degree requirements.

Students progressing toward a Bachelor of Arts in Education degree are required to maintain a minimum overall GPA of 2.5.

* Note: Middle Grade Math/Science majors must pass the SAE for both Middle Grades Math 5-9 AND Middle Grades Science 5-9.

** Not applicable for students who are in programs that do not lead to certification in teaching. A student in a teacher education program who fails to meet the FTCE requirement will not receive a passing grade in internship and will not be eligible to graduate.

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Teacher Certification

Students in programs leading to teacher certification will be eligible for a State of Florida professional teaching certificate in their specializations if they successfully complete the academic, field/clinical experiences, and professional testing requirements.

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Directed Independent Studies

The intent of an independent study is to allow a student to pursue a selected topic in greater depth under the direction of a College of Education and Human Services faculty member. Regularly offered courses typically involve classroom interaction and for this reason are not offered as independent studies. Students who qualify for an independent study or need additional information should contact the individual professor. Independent study courses are not available for students enrolled in the pre-kindergarten/primary concentration.

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Field/Clinical Experiences

The College of Education and Human Services is committed to providing teacher education students with a wide variety of field-based, clinical experiences. Because of this commitment, all teacher education students will participate in at least one urban field experience in the Duval County Public Schools.

All students enrolled in College of Education and Human Services courses that require a field or clinical component and/or are taught at a school site are mandated by state law to be fingerprinted and receive background clearance before entering the school. Please note that individual school districts may require clearances even if the student has already received clearance from another district. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office of Academic Support and Information Services at (904) 620-3934 for information regarding fingerprinting procedures.

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Pre-Internship

Pre-internship field experiences are required for all undergraduate teacher education students, or certification students, seeking to complete an internship experience. Prerequisite and/or corequisite courses must be completed prior to or along with the pre-internship experiences in all programs of study leading to teacher certification. Students should consult with an academic advisor to assure that prerequisites are satisfied when enrolling in these courses. Field Lab I must precede Field Lab II, and the two field courses may not be taken in the same semester. All pre-internship field courses must be successfully completed with a grade of "C" or better prior to internship. Each course is conducted as an inquiry-oriented seminar designed around common themes faced by beginning teachers, and all course experiences and assignments are linked to the Florida Educator Accomplished Practices. The courses link theory and practice through the development of a teaching portfolio needed for internship. Each course requires the students to participate in a minimum 60-hour field component. Students should meet with their advisor to plan the semester in which to enroll in each pre-internship field course.

All students must meet the fingerprinting and background check requirements.

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Internship

Teacher education students seeking a Bachelor of Arts in Education degree in the College of Education and Human Services must complete an internship as a college requirement. A 2.5 GPA, as well as completion of all prerequisites, program requirements, documentation of attempting the Professional and Subject Area exams and First Aid/CPR and fingerprint eligibility are required to enroll in internship. The student should consult the Office of Academic Advising regarding clearance for internship. Interns are assigned to public schools in UNF's service region to make program supervision possible. Placing an intern requires advanced planning by the College of Education and Human Services and the public schools. For this reason, it is the student's responsibility to see that application for internship is filed by the fourth Friday of the semester prior to the semester of enrollment for internship (excluding the summer terms).* Placement assignments are final and may not be changed.

Because of the heavy responsibilities and commitment involved in internship, a student is not permitted to enroll in any additional courses during the internship period. Any exceptions to this rule must be initiated at the time of application through the Office of Academic Support and Information Services and approved by the appropriate department chair and the dean.

Successful completion of internship requires fulfillment of all field-based experiences as specified in the College of Education and Human Services "Internship Handbook," including submission of a professional portfolio constructed according to the specified guidelines and in compliance with the Florida Educator Accomplished Practices for pre-professional educators. An additional requirement of internship is the successful completion of all parts of the Florida Teacher Certification Exam.

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General Education and College Prerequisites

The Florida Board of Education has established general education requirements applicable to all students enrolled in undergraduate programs leading to teacher certification. These requirements are more substantial than the University's general education requirements, and exact courses vary by program of study. Students should consult with an advisor to assure compliance with these requirements.**

* Internship is not offered in the summer term. Fall term applicants must apply for internship by the 4th week of the previous spring term.

** A grade of "C" or better must be obtained in all lower division and prerequisite courses required by the College of Education and Human Services, and an overall GPA of 2.5 or better must be maintained.

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Professional Education Minor

UNF students may select the Professional Education Minor offered by the College of Education and Human Services to satisfy the University minor requirements. The Professional Education Minor may meet some of the professional education requirements for alternative teacher certification in Florida. Students are not permitted to earn any grade lower than a "C" and may not have a cumulative grade point average of less than 2.5 in their education coursework. A Field based course with a minimum 60 hour field experience component in an approved school is included in the minor requirements. Students must complete a background check and fingerprinting prior to beginning field experience course work. Students should consult with an advisor in the College of Education and Human Services to obtain information about teacher certification in Florida.

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Teacher-Certification-Only

Students who have completed a bachelor's degree in a non-education field of study may pursue Florida teacher certification through "Teacher-Certification-Only" (TCO) studies. Please note that all TCO coursework must be taken at the graduate level (i.e., 5000 or 6000 level courses) unless graduate-level courses are not offered. TCO does not lead to the awarding of a degree or

certificate. Students interested in TCO should contact the COEHS
Office of Academic Support and Information Services.

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College of Education and Human Services Undergraduate Majors

- Elementary Education - Elementary Education (K-6), BAE
- English Education - English (6-12), BAE
- Math Education - Math (6-12), BAE
- Middle School Education - Math/Science Option, BAE
- Early Childhood Education- Early Childhood Development, BAE
- Early Childhood Education- Pre-K/Primary Licensure, BAE
- Science Education - Biology (6-12), BAE
- Science Education - Chemistry (6-12), BAE
- Science Education - Physics (6-12), BAE
- American Sign Language English Interpreting-Community Interpreting, BS
- Deaf Education, BAE
- Social Studies Education - Social Studies (6-12), BAE
- Special Education - Exceptional Student Education, BAE
- Sport Management, BS
- Sport Management - Marketing, BS
- Disability Services, BAE

Additional Information on:

- Majors
- Bachelor of Science in Sport Management
- Majors leading to Teacher Certification

The College of Education and Human Services has long valued its role in the preparation of school and human services professionals. The ever-broadening, increasingly diverse needs of society, however, have created a continuing demand for educators and other professionals who are equipped to make an impact on the children

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and adults with whom they work. To help meet this demand, the College continues to expand its programs. Students may now choose from career paths in general or special education with teaching options in school settings from pre-Kindergarten through secondary. Many of our field placements are located in challenged urban schools. The College also has degree options for individuals interested in careers in sport management, early childhood development (non-licensure) and ASL/interpreting.

The College envisions its faculty and students as active leaders and responsive partners in the study and enhancement of teaching and learning within diverse learning communities. The mission of the College of Education and Human Services is to:

- Collaborate with local, regional, national, and international stakeholders to promote transformational learning experiences;
- Establish and nurture partnerships with local institutions and agencies to address the needs of our community, which is inclusive of urban areas;
- Develop and offer rigorous programs of study that promote high standards;
- Use evidence-based practices to prepare effective practitioners who exhibit a professional disposition;
- Contribute to the knowledge base in our disciplines through quality scholarship; and
- Model and foster a commitment to professional growth, critical and creative thinking, and reflective practice.

Emphasis is placed on experiential learning experiences with nearby schools and agencies serving as laboratories for learning.

In accordance with the federal Higher Education Act (HEA), the College of Education and Human Services keeps annual records of the success of teacher education candidates on a series of state assessments known as the Florida Teacher Certification Examination (FTCE). HEA provisions require that these data, along with the institution's ranking among the other institutions with teacher education programs in the state, be made available in institutional catalogs. For the most recent reporting period, 100 percent of UNF students who completed the teacher education program obtained passing scores on the general knowledge, professional education portion and subject area portion of the FTCE.

Majors

The College of Education and Human Services offers majors in elementary education (K-6); pre-kindergarten through primary grades (age 3 through grade 3); early childhood development (non-licensure); middle school (grades 5-9) mathematics/science education; secondary specializations in selected majors; exceptional student education, (K-12) including deaf education, disability services and ASL/English interpreting and sport management.

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Bachelor of Science in Sport Management

The COSMA Accredited Sport Management program is reflective of the fast-paced and growing sports industry across the country. The program of study provides an academic foundation in sports management for application in a variety of sports settings. Students receive valuable career training through practicum and internship experiences in selected settings including: college recreation or athletic programs, community recreation agencies, sport organizations or business, sport facilities, and professional sports teams. Students interested in this degree program should contact Program Coordinator, [Dr. Kristi Sweeney](#), or an academic advisor in the College of Education and Human Services.

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Majors leading to Teacher Certification

Students enrolled in the College of Education and Human Services education degree programs that lead to teacher licensure must complete an undergraduate curriculum based on a specific program of studies, including field based courses and internship. Each teacher preparation program is designed to provide students with the knowledge, skills and professional practices essential for all educational personnel and fulfill Florida Department of Education certification requirements.

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College of Education and Human Services Undergraduate Certificate Programs

- [Computer Science High School Teacher Certification](#)
- [Deaf Education Post-Bac Certificate](#)
- [International Ed Certificate](#)

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College of Education and Human Services Undergraduate Minors

- [Amer Sign Lang/Deaf Studies](#)
- [Early Childhood](#)
- [Leadership](#)
- [Professional Education](#)
- [Sport Management](#)
- [Deaf Education](#)
- [Community Sport and Tourism](#)
- [Disability Services](#)
- [Fitness Management](#)
- [Learning Design & Technology](#)
- [Teaching English as a Second Language \(TESOL\)](#)

American Sign Language Minor

An American Sign Language (ASL) minor is designed to provide students with basic knowledge of the rich heritage of the language and culture of deaf people. It benefits students in a way that gives them an edge in employment opportunities such as teachers, interpreters, social workers, translators, criminal justice personnel, medical personnel, salespersons, and many more professional career opportunities. This ability to communicate with deaf people is often viewed as an asset by employers, particularly in the helping professions such as counselors and advisors. Theater and art students can benefit because of the inherent physical expressiveness of ASL. This is a language that can be passed on to children and to children's children as a skill to communicate with others in a unique way.

Early Childhood

A minor in early childhood education is offered to students who are interested in working in the field of early childhood (children ages 0-

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8). Currently, those interested in this field have available to them a teacher preparation program (B.A.E. in Pre-Kindergarten/Primary Licensure Education). However, the field of early childhood attracts a larger population than those interested in teaching. This minor is open to all UNF majors. The minor requires 18 hours with no grades less than a "C". Only 6 credits can be transferred in from another institution with the approval of the department. The remaining 12 hours must be taken at UNF.

Leadership

The leadership inter-disciplinary minor offers opportunities for personal and professional leadership development to all UNF students regardless of their major, enabling them to acquire the degree reflected on their academic transcript and an important add-on to complement any major. The minor requires 12 credit hours of coursework as well as documentation of co-curricular leadership learning. Students must maintain a GPA of 2.5 in the minor coursework. The program is grounded in the *Social Change Model (SCM)* of leadership development and challenges students to become effective, ethical and value-driven leaders with a commitment to excellence, accountability, and responsibility to the real world of the workplace and the global community. The program strives to empower students to be authentic self-directed learners through a highly engaged pedagogy and the practical application of community-based transformational learning components.

Professional Education

UNF students may select the professional education minor offered by the College of Education and Human Services to satisfy university minor requirements. The professional education minor meets minimum professional education requirements for alternative teacher certification in the state of Florida. Students must receive grades of "C" or better in all professional education coursework and may not have a cumulative Grade Point Average of less than a 2.5 in their education coursework. A minimum of 60 hour field experience (EDF 3945) in an approved school is included in the minor requirements. Students must complete a background check and fingerprinting prior to beginning any field experience course work. Students should consult with an academic advisor in the College of Education and Human Services to obtain information about teacher certification in Florida.

Sports Management

The sports industry is one of the largest industries in the United States. Sports Management is a highly competitive field with a host

of jobs available. Most of these jobs, however, require specialized skills within the field of sport. This minor will help prepare future practitioners to be leaders in the industry at the highest level of high school, collegiate, amateur and professional sports. It addresses the unique demands of management, marketing, accounting, finance, economics, communications and legal skills specific to the sport setting.

Deaf Education

The Deaf education minor offers a comprehensive and balanced perspective of students' varying communication modes (signed or spoken language), language and academic proficiency levels, use of hearing technology, family dynamics and culturally and linguistically diverse backgrounds.

Community Sport and Tourism

The program of study introduces the concepts, principles and practices of commercial recreation and tourism. The program provides a foundational overview of sports as a critical component of the US travel and tourism industry - particularly at the collegiate, amateur, youth and recreational levels. The minor engages students in the study of the management, programming and supervision of intramural and sport tournament/leagues in the leisure services delivery system.

Disability Services

The Minor in Disability Services is designed for undergraduate students who are interested in working with individuals with disabilities in non-teaching careers. According to the 2010 U.S. Census Bureau, about 56.7 million people or 19% of the population had a disability. With this population being prevalent in all communities and all facets of society, this minor includes information about how to work besides, supervise, advise, interact with, respect, and support individuals with disabilities. Incorporated in this minor are authentic experiences where students work closely with individuals with disabilities, their families, businesses, and community agencies. The Minor in Disability Services aligns well with majors in all UNF colleges. The minor requires a total of 15 credit-hours.

Fitness Management

The program of study is designed to prepare those interested in working in the fitness industry upon graduation. Students learn about the theory and practice of fitness management, proper

exercise instruction techniques, facility and risk management, as well as selected sport skills.

Learning Design and Technology

The Learning Design and Technology minor is for students pursuing all kinds of careers including education, health and wellness, government, business, and the industry as in all fields there is information that must be shared and people who need to be taught or trained. With this minor, you can get the technology skills, hard and soft, to be successful. Students with this minor will possess valuable advanced skills in applying technology concepts and tools to better communicate and share information. This minor is only four courses and will teach you skills & strategies for the integration of educational technology and training methods to successfully incorporate learning design into the jobs or career of your future.

Teaching Speakers of Other Languages (TESOL)

The academic minor in teaching English to speakers of other languages (TESOL) provides opportunities for undergraduate students to complete a sequence of courses that academically trains them for careers to teach English domestically and abroad. In these contexts, candidates will benefit from learning knowledge of language fundamentals paired with cultural and pedagogical TESOL training and teaching experiences. The minor is 15 credit hours.

College of Education and Human Services Graduate Academic Policies

- [Academic Integrity](#)
- [Graduate Transfer Credit](#)
- [Directed Independent Study](#)
- [Graduate Academic Standing](#)
- [Graduate Program Course Level](#)

Academic Integrity

Students are expected to adhere to the highest standards of integrity and professionalism. This expectation includes following the University Academic Integrity Code and the professional code of conduct in the College. Under the Academic Integrity Code, when misconduct is discovered, the instructor may take one or more actions, including recommending the student's dismissal from the program.

Graduate Transfer Credit

The catalog policies and regulations section provides information and a link to the official policy for [Graduate Transfer Credit](#).

Directed Independent Study

The purpose of a directed independent study is to allow a student to pursue an in-depth study of a topic under the direction of a College of Education and Human Services faculty member. Regularly offered courses typically involve classroom interaction and normally are not available as directed independent studies. Interested students should contact their faculty advisor to determine the feasibility of doing a directed independent study. Students must complete a Directed Independent Study contract. The contract must be approved by the faculty advisor and the department chair.

Graduate Academic Standing

The catalog policies and regulations section provides information and a link to the official policy for [Graduate Academic Standing](#).

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Graduate Program Course Level

The catalog policies and regulations section provides information and a link to the official policy for [Graduate Program Course Level](#).

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College of Education and Human Services Graduate Degree Requirements

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- [Doctor of Education in Educational Leadership Admission Requirements](#)
- [Master of Education Admission Requirements](#)
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- [Course Work Requirement](#)
- [Residence Requirement](#)
- [Fingerprinting Requirement](#)

Admissions

Applicants must meet minimum requirements for admission to graduate programs as established by the Florida Department of Education's Division of Colleges and Universities and the University of North Florida. Individual programs in the College have established admissions criteria beyond the minimum requirements. All applicants seeking admission to master's programs in the College should meet with an academic advisor prior to admission. Contact the Office of Academic Support and Information Services at (904) 620-3934 for additional information.

Component Cores

Master's programs range from a minimum of 30 hours to 60 hours (exclusive of prerequisites). Most master's students are required to take two core courses regardless of program of study pursued. Specific master's degree programs may require additional core courses for all students in the given program. Each student will be expected to demonstrate satisfactory performance on all elements of

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the core and major requirements.

Although minimum requirements for the degree programs have been established, actual requirements differ in each of the program areas. Wherever possible, flexibility has been maintained. Individual programs of study are developed in terms of the student's competency level and career goals.

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Doctor of Education in Educational Leadership Admission Requirements

Minimum criteria for admission to the program are the following:

- a master's degree earned from a regionally accredited institution;
- three years of successful teaching, administration, or related work in training and development
- demonstrated leadership or leadership potential;
- demonstrated academic ability and potential to complete the course work and a doctoral dissertation successfully;
- successful interview with and recommendation of the Doctoral Admissions Committee.

Applicants will be asked to submit transcripts of previous college work, including evidence of completion of a master's degree; writing samples; and acceptable scores on the Graduate Record Exam (GRE). Students are expected to receive a score of 153 on the verbal portion of the GRE and a 144 on the quantitative portion of the GRE. . International applicants must also submit a TOEFL score if they do not hold an academic degree from an English-speaking institution as well as a foreign credential evaluation from an approved NACES agency. *Note: All applications, transcripts, test scores, and supporting documents must be sent directly to The Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224.*

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Master of Education Admission Requirements

In addition to the University requirements for graduate admissions, the following items must be submitted to The Graduate School for consideration for admission to Master of Education programs:

1. For Professional Education in Elementary Education and for the Educational Leadership program with a concentration in School Leadership leading to Florida administrator certification, a professional Florida Teaching Certificate or its equivalent is required. Individuals not holding a professional certificate may be admitted into initial certification programs in Special Education/Exceptional Student Education K-12, Counselor Education/School Counseling K-12 providing the required prerequisites are taken as part of the degree process. Generally, persons holding temporary certificates do not meet this requirement; however, consideration may be given to students who are already teaching and working toward professional certification through a combination of teaching and course work.
2. Teacher certification is not required for students seeking the Disability Services, Applied Behavior Analysis, and ASL/English Interpreting in Special Education; or Advanced Teaching and Learning, Higher Education Administration, Technology, Training and Development in Educational Leadership and Athletic Administration.
3. Acceptable scores on the Graduate Record Exam (GRE) may be required depending upon the program. Acceptable scores may vary with each department. Consult the specific program for required GRE scores. Students who are admitted to the Special Education, Exceptional Student Education initial teacher certification programs must present passing scores on all parts of the General Knowledge (GK) test.
4. For all M.Ed. programs, three letters of recommendation citing academic and professional potential is required. Some programs may have additional requirements and/or use pre-established recommendation forms.

Students who fail to meet the College of Education and Human Services or special program/department requirements for admission may request a review of their qualifications by a program/department review committee and the dean of the College. Such requests must be in writing and include supporting evidence. These students may apply for consideration under the UNF/College exceptions policy. Contact the Office of Academic Support and Information Services for more information.

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Prerequisites for Master's Degree Majors

Prerequisites

Elementary Education

- A bachelor's degree from a regionally accredited college or university
- Minimum GPA of 3.0 in last 60 semester hours of baccalaureate degree.

A valid teaching certificate or its equivalent is required in the Literacy concentration.

Master of Arts in Teaching (MAT)

The Master of Arts in Teaching is a teacher prep inspired program that allows students to earn a MAT degree in under 18 months. It is designed for individuals who possess a baccalaureate degree and desire to teach secondary English, History, Math, Foreign Language, or Biology/Chemistry/Physics. There may be opportunities for financial aid and in some cases, full tuition coverage for College of Arts and Sciences graduates with degrees in STEM-related fields.

Students will complete school placements within Duval County Public Schools throughout the school year; thus, students will complete clinical, field experience hours all year long along with coursework. Courses within the program will be in the summer B schedule with the sequence culminating in summer A the following year: Summer B – Fall – Spring – Summer A.

Two letters of recommendation are required.

Special Education

- A bachelor's degree from a regionally accredited college or university
- Minimum GPA of 3.0 in last 60 semester hours of baccalaureate degree
- Appropriate experience as determined by the program faculty
- Appropriate ASL/English Interpreting prerequisites
- Passing scores on all parts of the General Knowledge

(GK) test for all initial certification programs

Counselor Education: School Counseling Concentration

- A bachelor's degree from a regionally accredited college or university
- Minimum GPA of 3.0 in last 60 semester hours of baccalaureate degree.
- GRE scores of 153 on the verbal portion and 144 on the quantitative portion of the test.
- Passing scores on all four parts of General Knowledge (GK) test if non-teacher educator.

Educational Leadership: School Leadership for Florida Administrator Certification

- A bachelor's degree from a regionally accredited college or university
- Minimum GPA of 3.0 in last 60 semester hours of baccalaureate degree
- Valid Florida Professional Teaching Certificate for school leadership concentration

Teacher-Certification-Only

Students who have completed a bachelor's degree in a non-education field of study may pursue teacher certification by completing "Teacher-Certification-Only" (TCO). All TCO coursework must be taken at the graduate level (i.e., 5000 and 6000 level courses) unless graduate-level courses are not offered. Enrollment of TCO students in undergraduate courses requires approval of an advisor and/or the appropriate department chair. TCO students must meet all criteria for admission to the College's undergraduate teacher education programs. TCO completion does not lead to the awarding of a degree. Students interested in TCO should contact the College's Office of Academic Support and Information Services for more information.

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Course Work Requirement

A minimum of 30 credits must be included in a master's degree program. No less than 60 percent of the total graduate hours must be at the 6000-level. At least fifty percent of the course work must be taken in the College of Education and Human Services. All

requirements for the degree must be completed within six years after being admitted to the program.

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Residency Requirement

Course work taken on campus, online through a UNF distance learning program or class, or through an off-campus cohort program is considered in-residence study for degree purposes, assuming the student is a fully admitted graduate student. At least 24 hours must be completed in residency.

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Fingerprinting Requirement

Fingerprinting is required for students enrolled in the School Counseling master's degree and the initial certification ESE K-12 programs and any other program if a student completes a practicum in a school setting. Florida state law requires that all persons engaging in any type of work with children at schools must be fingerprinted and cleared through official school district procedures. Students are advised that noncompliance with fingerprinting requirements or failure to receive clearance will result in the inability to complete course and program requirements. Contact the Office of Academic Support and Information Services at (904) 620-3934 for information regarding fingerprinting procedures.

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College of Education and Human Services Graduate Degrees

- [ASL/English Interpreting - General Practice, MS](#)
- [ASL/English Interpreting - Interpreting Pedagogy, MS](#)
- [Counselor Education - School Counseling, MED](#)
- [Educational Leadership - Athletic Administration, MED](#)
- [Ed Tech Training and Development, MS](#)
- [Elementary Education - Elementary STEM, MED](#)
- [Elementary Education - K-12 Reading Endorsement, MED](#)
- [Elementary Education - Reading and Advanced Literacy](#)
- [Higher Education Administration - Collegiate Athletics, MS](#)
- [Higher Education Administration - General Higher Education, MS](#)
- [Higher Education Administration - International Programs, MS](#)
- [Higher Education Administration - Non-Profit Management, MS](#)
- [Higher Education Administration - Student Affairs, MS](#)
- [Educational Leadership - School Leadership, MED](#)
- [Educational Leadership - EDS](#)
- [Educational Leadership, EDD](#)
- [Secondary Education, MAT](#)
- [Special Education - Applied Behavior Analysis, MED](#)
- [Special Education - Disability Services, MED](#)
- [Special Education - Exceptional Student Education, MED](#)

Additional Information on:

- [Master's Degree Program](#)
- [Master of Education Degree Program](#)
- [Master of Education in Elementary Education](#)
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- [Doctor of Education in Educational Leadership](#)

The College of Education and Human Services has long valued its role in the preparation of school and human services professionals. The ever-broadening, increasingly diverse needs of society have created a continuing demand not only for qualified educators, but also for other professionals who are equipped to make an impact on children and adults with whom they work. Graduate students may choose from a wide variety specialization concentrations. Within each major, one or more concentrations exist that enable students to design a strong professional program of study tailored to the student's specific goals.

Consistent with its commitment to accountability and to the success of graduate students during their time of matriculation, the College requires that students in all graduate programs be assessed at various transition points during their programs of study. At each transition point, faculty utilize specific data on student progress to make important decisions about continuation in the program. Transition point assessments are interspersed throughout a student's program and include measures such as formal evaluation of admission criteria; individual course assessments; formal faculty review of student performance at particular intervals within a program; program-required examinations, theses, or dissertations; completion of capstone courses; and formal review of student progress at the time of program completion. Information about transition points used within specific program of study may be obtained by contacting the department office in which the program is offered.

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Master's Degree Program

The programs leading to the Master of Education degree have as their primary objective the preparation of educators and human services professionals. Master's programs are offered in educational leadership school leadership/administrator certification as well as concentrations in higher education administration, advanced teaching and learning, educational technology leadership and athletic administration; elementary education with concentrations in professional education, literacy and TESOL as well as graduate certificates in early childhood and TESOL; secondary education with

a professional education concentration; special education with deaf education, disability services, applied behavior analysis, autism, and exceptional student education concentrations, a Master of Science degree in ASL/English interpreting; and the Master of Education in counselor education (school counseling concentration).

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Master of Education in Elementary Education

This Department of Teaching, Learning and Curriculum's graduate program assists learners in developing personal and professional competencies needed for successful instruction in today's public schools. This goal is achieved through programs emphasizing individually meaningful instruction, the use of innovative materials, and the application of theoretical concepts in laboratory and clinical experiences.

The department offers a wide array of graduate studies for teachers and other educational professionals. In meeting those diverse needs, the department offers three categories of studies at the graduate level.

Category I - Master's Degree Programs for Teachers with Professional Certificates

Programs for certificated teachers who desire to extend their professional skills and knowledge leading to the awarding of a Master of Education degree are the primary means for pursuing graduate study within the department. The central mission of these programs is to extend and enhance the instructional expertise of the professional teacher. These programs make provisions for "add-on" endorsements to the initial teaching certificate and expand the teacher's certified areas on instruction. The areas of M.Ed. in Elementary Education include the concentrations of P-12 TESOL and Literacy.

Category II - Master's Degree Programs for Uncertified Post-baccalaureate Students

These programs are for graduate students who do not hold professional teaching certificates but who wish to obtain a Master of Education degree. The areas of the M.Ed. in Education include the concentration of Professional Education with various options of specifications including: Prekindergarten/Primary, Elementary, P-12 TESOL, Technology, and Literacy.

Category III - Non-degree Studies that Lead to a Certificate

These studies are content focused programs that lead to certificates awarded by the University of North Florida. A baccalaureate degree from an accredited institution, either in education or a non-education field is required to pursue the certificates.

The Graduate Certificate in Early Childhood Education (ECE) emphasizes the professional preparation of students at the graduate levels for a range of careers in early childhood education (children 0-8) within diverse community contexts. The completion of six Early Childhood Education graduate courses provides preparation for working with young children and their families and communities. This program prepares candidates for a highly specialized role and offers a dynamic combination of state-of-the-art theoretical courses and practical application of learning in field education.

The Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL) provides students with advanced knowledge in the education of ELLs (English Language Learners) of any age. The completion of six TESOL graduate courses awards a candidate a TESOL certificate from the University of North Florida and qualifies a candidate to apply for ESOL (English for Speakers of Other Languages) endorsement to be added to his/her existing Florida teacher's certificate. Coursework covers the ESOL domains of linguistics, assessment, culture, methods, and curriculum.

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Master of Education in Early Childhood Leadership

The Early Childhood Educational Leadership Program is a graduate level program leading to a master's degree. The Master of Education program includes a specialization in Educational Leadership, Policy, and Advocacy specifically in the area of early childhood. This specialization is an interdisciplinary program designed for people who work or wish to work as a leader in the field of early childhood education. Information in this degree supports the development of

leadership skills to serve in positions within community, state, and national agencies, in both the public and private sector that focus on supporting the healthy development, growth, and education of families and children. This specialization provides grounding in social, historical, philosophical, developmental, educational, and international perspectives of leadership and early childhood education.

Master of Arts in Teaching: Secondary Education

The Master of Arts in Teaching is a teacher prep inspired program that allows students to earn a MAT degree in under 18 months. It is designed for individuals who possess a baccalaureate degree and desire to teach secondary English, History, Math, Foreign Language, or Biology/Chemistry/Physics. There may be opportunities for financial aid and in some cases, full tuition coverage for College of Arts and Sciences graduates with degrees in STEM-related fields.

Students will complete school placements within Duval County Public Schools throughout the school year; thus, students will complete clinical, field experience hours all year long along with coursework. Courses within the program will be in the summer B schedule with the sequence culminating in summer A the following year: Summer B- Fall - Spring - Summer A.

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Master of Education in Special Education

The graduate program in special education prepares graduate students to assume positions as professional practitioners who work with exceptional individuals. The majority of these practitioners become teachers in self-contained classes or resource rooms, while others serve in positions such as consulting teacher, behavior analyst, parent-infant specialist, or American Sign Language/English Interpreting. Practitioners may serve individuals with special needs ranging from preschool through adulthood. Additionally they may work with the families of individuals with special needs.

The graduate special education program offers five concentrations. The first concentration in exceptional student education is for students working toward initial state certification in special education. The second concentration is for students working toward

initial certification in deaf education (currently on hold). The third option is a concentration in disability services designed for students interested in serving individuals with disabilities in general education classes or non-educational settings. The fourth concentration is for students interested in specialization in applied behavior analysis, and the fifth concentration is in the area of autism while a Master of Science degree is also offered in ASL/English Interpreting.

Majors in special education consist of a minimum of 30 credits of graduate study. An individually designed program of study for each student is developed by the student in collaboration with his or her faculty advisor.

Admission into the Exceptional Student Education graduate program does not require the GRE but the GRE is required for other programs. A minimum undergraduate grade point average (GPA) of a 3.0 is also required. If the applicant's undergraduate GPA is less than a 3.0, a minimum score of 153 on the verbal portion and 144 on the quantitative portion of the GRE is required. Students not meeting minimum criteria for admission may be considered for admission under the UNF/College exceptions policy. The program makes special provisions for admitting students with disabilities. Admission also requires the submission of three letters of recommendation.

Note: All applications, transcripts, test scores, and supporting documents must be sent directly to The Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224.

All students enrolled in College of Education and Human Services courses that require a field or clinical component and/or are taught at a school site are mandated by state law to be fingerprinted and cleared prior to being permitted on elementary and secondary school campuses. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office of Academic Support and Information Services, (904) 620-3934, for information regarding fingerprinting procedures.

Special Education Concentrations

Exceptional Student Education Concentration The Exceptional Student Education concentration is designed for those students

seeking initial certification as teachers of students with exceptionalities. The program of study is designed to offer graduate students the preparation needed for Florida state certification in exceptional student education, K-12.

Disability Services Concentration The disability services concentration in special education is available for professionals who serve individuals with disabilities in special and general education and in settings other than schools. This concentration allows individuals to pursue graduate study in special education and in various cognate areas in education but does not lead to teacher certification. The program of study consists of a minimum of 36 credit hours and is individually designed.

Deaf Education Concentration The Deaf Education concentration is designed for those students seeking initial certification as teachers of students who are deaf or hard of hearing. The program of study is designed to offer graduate students the preparation needed for Florida state certification in Deaf Education, K-12. Students who have completed their undergraduate degree in Deaf Studies at UNF have already met the "pre-requisite "course requirements.

Applied Behavior Analysis Concentration The Applied Behavior Analysis (ABA) concentration is designed to prepare individuals to assume positions as professional clinical practitioners who work with exceptional individuals and are interested in behavioral assessment and appropriate interventions and in preparing for the BCBA or BCaBA examinations.

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Master of Education in Counselor Education

The SOAR School Counseling Program at the University of North Florida prepares counselors who have developed strong basic counseling, relational, and reflective skills; who demonstrate sufficient multicultural content knowledge, skills, and practices; who practice from a sound foundation of theoretical and research-based knowledge; who hold and maintain a strong counselor identity; and who possess and exhibit the personal and professional dispositions necessary to work effectively as school counselors.

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Master of Education in Educational Leadership

The College of Education offers several concentrations within the Master of Education (M.Ed) in Educational Leadership. This Degree is for professionals who desire to continue their studies in their respective fields of study.

Educational Leadership Concentrations

Athletic Administration The Athletic Administration track is designed for individuals who aspire to obtain careers in athletic administration at educational institutions. Today's athletic administrator must be well prepared to work in a diverse and challenging environment. As interscholastic and intercollegiate athletics continue to grow, so does the demand for trained professionals equipped with the necessary skills to provide positive leadership in those unique and specific educational settings.

Early Childhood Educational Leadership The Early Childhood Educational Leadership Program is a graduate level program leading to a Master's degree. The Master of Education program includes a specialization in Educational Leadership Policy, and Advocacy specifically in the area of early childhood. This specialization is an interdisciplinary program designed for people who work or wish to work as a leader in the field of early childhood education. Information in this degree supports the development of leadership skills to serve in positions within community, state, and national agencies, in both the public and private sector that focus on supporting the healthy development, growth, and education of families and children. This specialization provides grounding in social, historical, philosophical, developmental, educational, and international perspectives of leadership and early childhood education.

Educational Technology Training and Development The graduate degree in Educational Technology, Training and Development is a master's program that encourages students to improve their professional practice using learning theory, technology, and leadership skills.

School Leadership This concentration is a state-approved program that carries the endorsement for educational leadership needed by teachers who wish to move into administration in the public school system. The program consists of 39 semester

hours of core major and elective requirements. One year of teaching experience and a valid teaching certificate are required.

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Master of Science in ASL/English Interpreting

The ASL/English Interpreting master's degree is a Master of Science degree with concentrations in interpreting and pedagogy and is designed for those students seeking advanced preparation as sign language interpreters or instructors. The University of North Florida's interpreting programs are committed to upholding the National Interpreter Educational Standards as formulated by the Conference of Interpreter Trainers. The master's degree concentration is offered in a distance-friendly modality with online, three weekend-per-semester/online, and a five day summer session/online formats to accommodate students who do not live in northeast Florida. The program is developed in accord with current spoken and signed language research and target interpreters who aspire to become nationally certified.

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Master of Science in Higher Education Administration

This degree is designed for those seeking a career in Higher Education ranging from entry-level to mid-management, as well as all areas of college and university operations, including academic affairs, student services, enrollment management, financial aid, residence life, business affairs, physical plant, budget & finance, public safety, athletic administration, technology, development and grant writing.

Higher Education Administration Concentrations

General Higher Education Track: This is for students interested in administrative careers throughout the university. These can include, but are not limited to academic advising, enrollment services, development and alumni affairs, finance and administration, graduate studies, and technology.

Student Affairs This is for students interested in careers in student life. These can include, but are not limited to residence life, campus activities, Greek life, career services, student conduct and judicial affairs, campus recreation, diversity and cultural inclusion.

International Higher Education This is for students interested in careers directing or coordinating study abroad programs, international student recruitment, international student programming. Students earning the international higher education track are also prepared for careers at international universities or with third party study abroad providers

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Specialist in Educational Leadership (Ed.S)

The Purpose of the Ed.S in Educational Leadership is the development of leadership knowledge, theory, and practice situated around local community and organizational contexts. The program is designed to 1) support the development of student understanding of how change occurs for individuals, organizations, and communities; 2) deepen student practical, theoretical, and research knowledge regarding how leaders can work effectively with others to support those change processes; and 3) nurture student development of skills and practices needed to support and lead efforts for organizational and community change.

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Doctoral Program

The college offers a program of advanced graduate study leading to a Doctor of Education degree in Educational Leadership. The program includes course work in specific areas of study and requires satisfactory performance on a comprehensive examination and completion of a dissertation. Students are admitted to a doctoral cohort who complete the majority of their course work together. Admissions requirements and a description of the program of study are included below.

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Doctor of Education in Educational Leadership

The interdisciplinary Doctor of Education in Educational Leadership program supports the development of educational leaders, with a focus on providing the knowledge, vision, and commitment to the improvement of education through a variety of leadership roles. The program draws on the expertise of faculty from several departments and other instructional resources of the University.

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College of Education and Human Services Graduate Certificates

- [Applied Behavior Analysis](#)
- [Partner Ind Disability & Family](#)
- [Early Childhood Education](#)
- [Modified Program in Educational Leadership](#)
- [Elementary STEM](#)
- [Graduate TESOL Certificate](#)
- [International Ed. Certificate](#)
- [K-12 Reading Endorsement](#)
- [Reading and Advanced Literacy](#)
- [Advanced Secondary Instruction](#)
- [Sport Management](#)
- [Teacher Inquiry](#)
- [Teacher Leader and Mentor](#)
- [TESOL-EdTech](#)
- [Teacher Thinking and Decision Making](#)
- [Whole Child](#)

[Additional Information on Graduate Certificate Programs in the College of Education and Human Services](#)

[Graduate Certificate in Early Childhood Education](#)

The Graduate Certificate in Early Childhood Education (ECE) emphasizes the professional preparation of students at the graduate levels for a range of careers in early childhood education (children 0-8) within diverse community contexts. The completion of six Early Childhood Education graduate courses provides preparation for working with young children and their families and communities.

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This program prepares candidates for a highly specialized role and offers a dynamic combination of state-of-the-art theoretical courses and practical application of learning in field education. Note: Traditional forms of Financial Aid are not applicable to this certificate program.

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Graduate Certificate in Teachers of English to Speakers of Other Languages

The Graduate Certificate in Teachers of English to Speakers of Other Languages (TESOL) provides students with advanced knowledge in the education of English Language Learners (ELLs) of any age. The completion of six graduate TESOL graduate courses awards a candidate a TESOL certificate from the University of North Florida and qualifies a candidate to apply for the ESOL (English for Speakers of Other Languages) endorsement to be added to his/her existing Florida teacher's certificate. Coursework covers the ESOL domains of linguistics, assessment, culture, methods, and curriculum. Note: Traditional forms of Financial Aid are not applicable to this certificate program.

Graduate Certificate in Educational Leadership/School Leadership

The Graduate Certificate in Educational Leadership is open to certified teachers already holding a master's degree in another area but wish to pursue a principal's certificate via a modified school leadership program. Applicants must hold a master's degree from a regionally accredited institution, hold a valid teaching certificate issued by the state of Florida and must demonstrate prior successful completion of graduate work in courses including (1) educational research, (2) social foundations of education, and (3) educational technology (or will be required to complete appropriate courses as part of the program). Students must pass all parts of the Florida Educational Leadership Exam (FELE) prior to completing the program.

Graduate Certificate in Sport Management

The Sports Management Graduate Certificate program aims to prepare individuals seeking opportunities for employment in the fast-paced and growing sports industry. The program provides an academic foundation in sports management for application in a

variety of sport settings including intercollegiate athletic programs, college recreation, community recreation agencies, sport organizations or business, sport facilities, and professional sports teams. A baccalaureate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution with a GPA of 3.0 or higher in all work attempted in the last 60 credit hours of undergraduate study is required. In addition official transcripts from all institutions attended, a letter of intent, and a current resume are also required.

Graduate Certificate in Teacher Leadership and Mentoring

The Certificate in Secondary Teacher Leadership and Mentoring emphasizes the professional development of middle and high school teachers at the graduate level as teacher mentors. Completion of this certificate will prepare in-service teachers to become effective clinical mentors to support in-service novice colleagues. The program prepares candidates who desire to become successful teacher-leaders and mentors or district teacher coaches by integrating core UNF teacher education theories (e.g., explicit analysis of practice through personal practical theorizing, facilitation of research-supported teaching practices) and secondary classroom practices (e.g., accountability measures, top-down models of curriculum development).

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Major: Special Education
Concentration: Exceptional Student Education
Degree: Bachelor of Arts in Education

Prerequisites (3 credits)

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

Core Requirements (15 credits)

EDF3945 Field Laboratory I (2-4 Credits)

- offered: Fall, Spring

EDF3946 Field Laboratory II (2-4 Credits)

- offered: Fall, Spring

EDF3947 Field Laboratory 3 (2-4 Credits)

- offered: Fall, Spring

EEX4604 Clsrm and Beh Mgmt (3 Credits)

- offered: Spring only

EEX4345 Intro to Inquiry and Assessmnt (3 Credits)

- offered: Fall only

Major Requirements (33 credits)

EDF3151 Educational Psychology (3 Credits)

- offered: Fall, Spring, Summer

EEX3202 Psych/Soc Learners Exceptional (3 Credits)

- offered: Spring, Fall, Summer

EEX3250 Read Mthds:Learners Exception (3 Credits)

- offered: Fall Only

EEX3252 Lang Arts Learners Exceptional (3 Credits)

- offered: Spring Only

EEX4101 Language Development/Disorders (2-3 Credits)

- offered: Fall, Summer Only

EEX4270 H-L Practices 1 (3 Credits)

- offered: Spring only

EEX4271 H-L Practices 2 (3 Credits)

- offered: Summer only

EEX4272 H-L Practices 3 (3 Credits)

- offered: Fall only

EEX4484 Math Sci Except Lrnrs (3 Credits)

- offered: Fall Only

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

- offered: Fall, Spring, Summer

TSL4340 TESOL Methods and Curriculum (3 Credits)

- offered: Fall, Spring

Internships (12 credits)

All degree course work must be completed satisfactorily before enrolling into Internship. Fall internship applications are due the 4th Friday of the previous spring term. Spring internship applications are due the 4th Friday of the previous fall term.

EEX4861 Internship (3-12 Credits)

- offered: Fall, Spring

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable

required credit hours.

48HOURS 48 upper level hours

Major: Special Education
Concentration: Disability Services
Degree: Bachelor of Arts in Education

Prerequisites (3 credits)

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

Core Requirements (15 credits)

EDF3945 Field Laboratory I (2-4 Credits)

- offered: Fall, Spring

EDF3946 Field Laboratory II (2-4 Credits)

- offered: Fall, Spring

EDF3947 Field Laboratory 3 (2-4 Credits)

- offered: Fall, Spring

EEX4604 Clsrm and Beh Mgmt (3 Credits)

- offered: Spring only

EEX4345 Intro to Inquiry and Assessmnt (3 Credits)

- offered: Fall only

Major Requirements (27 credits)

LDR3003 Introduction to Leadership (3 Credits)

- offered: Fall, Spring, Summer

EEX3005 (CD) Intro to Disabilities (3 Credits)

- offered: Fall, Spring, Summer

EEX3754 Imp Dis Fam, Schls, & Comm (3 Credits)

- offered: Summer only

EEX3070 Inclusion Ind.w/Dis (3 Credits)

- offered: Spring only

LDR4340 Res. Dev. Comm. Org. (3 Credits)

- offered: Summer only

EEX3004 Disab and Comm Supp Agencies (3 Credits)

- offered: Summer only

EEX4024 Disability Laws & Pol (3 Credits)

- offered: Fall only

EEX4779 Dis Employ Comm Engmt (3 Credits)

- offered: Fall only

EEX4753 Cooperative Consultation (3 Credits)

- offered: Spring, Summer

Internships (12 credits)

All degree course work must be completed satisfactorily before enrolling into Internship. Fall internship applications are due the 4th Friday of the previous spring term. Spring internship applications are due the 4th Friday of the previous fall term.

EEX4861 Internship (3-12 Credits)

- offered: Fall, Spring

Electives (6 credits)

Two 3-credit elective classes are required and should be chosen from 3000 or 4000 courses in AMH, ANT, ASL, EEX, EHD, INT, LDR, REL, SYD, SYG, SYO or other courses selected in consultation with advisor.

CHOOSE two electives

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48

upper level credits out of a minimum 120 degree applicable
required credit hours.

48HOURS 48 upper level hours

Major: Deaf Education

Degree: Bachelor of Arts in Education

Prerequisites (14 credits)

A minimum "C" grade for all prerequisites is required.

ASL2140 American Sign Language I (4 Credits)

ASL2150 American Sign Language II (4 Credits)

ASL4131 American Sign Language III (3 Credits)

EDF1005 Intro to Teaching Profession (3 Credits)

Core Requirements (12 credits)

EEX4604 Clsrn and Beh Mgmt (3 Credits)

CLINICAL REQUIREMENT

- Select 9 credit hours from the following:
- EHD 3941 Deaf Ed Field Practicum I
- EHD 4940 Deaf Ed Field Practicum II
- EHD 4270 Deaf Ed Field Practicum III
- EHD 4943 Deaf Ed Service Learning Practicum (optional)

Major Requirements (36 credits)

EHD4013 Deafness and Diversity (3 Credits)

LAE3211 Literacy Instruct and Assessmt (3 Credits)

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

TSL4340 TESOL Methods and Curriculum (3 Credits)

LAE3210 Foundations of Literacy (3 Credits)

EHD4311 Psychology & Education Deaf (3 Credits)

EHD4261 Audiology Speech Science (3 Credits)

EHD4245 Lang. & Lit for DHH Students (3 Credits)

EHD4263 Teaching LSL DHH Student (3 Credits)

ASL4205 Teaching Bilingual DHH Student (3 Credits)

EHD4290 Diff Literacy DHH (3 Credits)

EHD4291 Curriculum & Instr. for DHH (3 Credits)

Internships (12 credits)

EHD4944 Deaf Education Internship (9 Credits)

EHD4942 Deaf Ed Literacy Practicum (3 Credits)

Major: ASL/English Interpreting
Concentration: Community Interpreting
Degree: Bachelor of Science

Informational Text

- Policies:
- Transferring ASL Classes: Students with ASL courses from another institution must be evaluated for appropriate placement (contact Michael.stultz@unf.edu for information)
- ENC 1101 Grade: If a 'B' or higher is not earned in ENC 1101 or its subsequent course, and additional writing course may be required
- Field Experience: Transfer students who are admitted without 100 hours of prior interpreting field experience will be required to take INT 2303 Interpreting Field Experience.

Prerequisites (27 credits)

- Grade of B or higher is required in ASL2140, ASL2150, INT1000, and ENC1101.

ASL2140 American Sign Language I (4 Credits)

ASL2150 American Sign Language II (4 Credits)

ENC1101 (GW) Audience and Purpose (3 Credits)

INT1000 Introduction to Interpreting (3 Credits)

INT2010 Discourse Analysis (3 Credits)

INT2113 English to ASL Sight Translation (3 Credits)

INT2204 Interpreting in Community Settings (3 Credits)

INT2303 Interpreting Field Experience (4 Credits)

Core Requirements (12 credits)

ASL3514 Deaf Culture (3 Credits)

ASL4131 American Sign Language III (3 Credits)

ASL4211 American Sign Language IV (3 Credits)

INT3011 Linguistics for Interpreters (3 Credits)

Major Requirements (48 credits)

ASL3226 Advanced ASL Proficiency (3 Credits)

INT3134 Applied Ethics in Interpreting (3 Credits)

INT3205 Cognitive Processing (3 Credits)

INT3270 Adv ASL Classifiers Interp (3 Credits)

INT3271 Interp. Consec. Dialogue (3 Credits)

INT3280 Mentor Cert Prep (3 Credits)

INT3950 (CD)Intro Serv Learning Interp (3 Credits)

INT3951 (CD)Serv Lrng Deaf Community (3 Credits)

INT4272 Interp. Simul. Dialogue (3 Credits)

INT4273 Interp. Simul. Monologue (3 Credits)

INT4404 Interpreting in Ed Settings (3 Credits)

INT4410 Interpreting for DeafBlind (3 Credits)

INT4455 Interpreting Diverse Pop (3 Credits)

INT4910 Research in Interpreting (3 Credits)

INT4947 Interp Pract Portfolio Pres (6 Credits)

Minor: Amer Sign Lang/Deaf Studies

Minor: Amer Sign Lang/Deaf Studies (23 credits)

Conditions to the Minor: A minimum of nine (9) hours under "Required Courses" must be taken at UNF.

PREREQS COURSES:

- ASL 2140 American Sign Language I
- ASL 2150 American Sign Language II

REQUIRED COURSES:

- ASL 3435 Fingerspell. & Numbering in ASL (Fall/Spg Only)
- ASL 3514 Deaf Culture (Fall/Spring Only)
- ASL 4131 American Sign Language III (Fall/Spring Only)
- ASL 4211 American Sign Language IV (Fall/Spring Only)
- ASL 3301 ASL Structure (Summer/Fall Only)

Minor: Deaf Education

Minor: Deaf Education (15 credits)

EHD3941 Deaf Ed Field Practicum I (3 Credits)

EHD4013 Deafness and Diversity (3 Credits)

EHD4245 Lang. & Lit for DHH Students (3 Credits)

EHD4291 Curriculum & Instr. for DHH (3 Credits)

EHD4311 Psychology & Education Deaf (3 Credits)

Minor: Disability Services

Minor: Disability Services (12 credits)

EEX3005 (CD) Intro to Disabilities (3 Credits)

EEX3070 Inclusion Ind.w/Dis (3 Credits)

EEX4753 Cooperative Consultation (3 Credits)

CHOOSE 1 of the following

- EEX 4024 Disability Laws and Policies (3 Credits)
- EEX 3754 Impact of Disabilities on Families Schools and Communities (3 Credits)
- EEX3004 Disab and Comm Supp Agencies (3 Credits)
- EEX4479 Dis Employ Comm Engmt (3 Credits)

Major: Deaf Ed Post-Bac Certificate
Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EHD4311 Psychology & Education Deaf (3 Credits)

EHD4263 Teaching LSL DHH Student (3 Credits)

EHD4293 Read Instru and Assess for DHH (3 Credits)

EHD4261 Audiology Speech Science (3 Credits)

EHD4013 Deafness and Diversity (3 Credits)

Major: International Ed. Certificate

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

NOTE: A GPA of 2.5 or higher is required for the successful completion of this certificate.

EDF2085 Intro to Diversity Educators (3 Credits)

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

SELECT_ One of the following:

- EEX 3202 Psy/Soc of Learners w/Exceptionalities or
- EEX 3202 (H) Psy/Soc of Learners w/Exceptionalities

SELECT One of the following:

- EDG 4410 Classroom Management & Communications or
- EEX 4616 Classroom Management of Learners w/Except.

CHOOSE A study abroad option:

- EEX 4861 Internship (3-12 credits)
- EDE 4943 Student Internship (3-12 credits)
- ESE 4943 Student Internship (3-12 credits)
- PET 4945L Student Teaching (3-12 credits)
- EEX/EDG/ESE 4905 (3 credits)

Major: Cert Partner Ind Disabil & Fam
Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EEX5053 Foundations Excep Ed and Serv (3 Credits)

EEX6402 Comm, Coll, Consult Spec Ed (3 Credits)

EEX6732 Facilitate Parent Interaction (3 Credits)

EEX6283 Soc,Pers,Car: Except Student (3 Credits)

EEX6841 Practicum in Special Education (3-9 Credits)

Major: Applied Behavior Analysis
Degree: Post-Baccalaureate Certificate

Certificate Requirements (18 credits)

EEX5612 Prin of Applied Beh Analy I (3 Credits)

EEX5617 Prin of Applied Beh Analy II (3 Credits)

EEX5619 ABA in Dev Disab and Autism (3 Credits)

EEX6301 Research in Special Education (1-3 Credits)

EEX6625 App Beh Anal Ed and Perf Mgmt (3 Credits)

EEX6996 Experimental: ESDE (0-12 Credits)

Major: Special Education
Concentration: Exceptional Student Education
Degree: Master of Education

Informational Text

PASSING SCORES FOR ALL PARTS OF THE GRADUATE RECORD EXAM (GRE) OR THE GENERAL KNOWLEDGE EXAM (GK) ARE REQUIRED FOR ADMISSION.

Prerequisites (17 credits)

- EDF6211 Advanced Ed'L Psychology (3 Credits)
- EEX3250 Read Mthds:Learners Exception (3 Credits)
- EEX4101 Language Development/Disorders (2-3 Credits)
- RED3310 Teaching Reading as a Process (3 Credits)
- TSL3080 ESOL Foundations: Culture/Lang (3 Credits)
- TSL4340 TESOL Methods and Curriculum (3 Credits)

Core Requirements (22 credits)

CLINICAL Field I & II and Internship

Two years teaching experience is required or students MUST complete clinical requirements, which include the following:

EDF 3945 Field Lab I, EDF 3946 Field Lab II, and EEX 6841 Practicum: Special Education.

- Field Lab I and II and Internship, by state law, require all students be cleared for fingerprinting and background checks prior to placement.
- Field Lab I and II require 5 hours/week for 10 weeks in school system.
- Internship is the very last semester. ALL coursework must be completed before internship.
- ALL parts of the Florida Teaching Certificate Exam (FTCE) are required for graduation. This includes all parts of the General Knowledge (GK), the Professional Education (PED), and the Subject Area Exam (SAE) for Exceptional Student Education

K-12.

EDF6480 Foundations of Ed Research (3 Credits)

EDF6607 Education in America (3 Credits)

EEX5053 Foundations Excep Ed and Serv (3 Credits)

Major Requirements (24 credits)

EEX5485 Math Sci Except Lnrs (3 Credits)

EEX5665 Classroom Management (3 Credits)

EEX6052 Curri and Instruction (3 Credits)

EEX6225 Competencies:Lab in Evaluation (3 Credits)

EEX6234 Teaching Mod/Severe Disability (3 Credits)

EEX6256 Language for Learning Impaired (3 Credits)

EEX6283 Soc,Pers,Car: Except Student (3 Credits)

EEX6402 Comm, Coll, Consult Spec Ed (3 Credits)

Major: Special Education
Concentration: Disability Services
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 Foundations of Ed Research (3 Credits)

EDF6607 Education in America (3 Credits)

- Students may choose, in consultation with the Program Sponsor, courses with the following prefixes:
EDF/EDA/EDG/EME/EDS.

Major Requirements (12 credits)

EEX5053 Foundations Excep Ed and Serv (3 Credits)

EEX6025 Issues/Trends Excep Ed/Service (3 Credits)

EEX6301 Research in Special Education (1-3 Credits)

EEX6402 Comm, Coll, Consult Spec Ed (3 Credits)

Major Electives (18 credits)

ELECTIVES Select 6 Graduate Courses

A minimum of 18 credit hours (5000-6000 Level) to be selected by the student in consultation with the Program Sponsor. Some possible choices of prefixes include:

- EED/EEX/EGI/EHD/ELD/EMR/SPA/EDG/EDF/EME/TSL/SDS/MHS/EDA

Major: Special Education
Concentration: Applied Behavior Analysis
Degree: Master of Education

Core Requirements (3 credits)

EDF6607 Education in America (3 Credits)

Major Requirements (33 credits)

EEX5053 Foundations Excep Ed and Serv (3 Credits)

EEX5612 Prin of Applied Beh Analy I (3 Credits)

EEX5617 Prin of Applied Beh Analy II (3 Credits)

EEX5619 ABA in Dev Disab and Autism (3 Credits)

EEX6025 Issues/Trends Excep Ed/Service (3 Credits)

EEX6301 Research in Special Education (1-3 Credits)

EEX6402 Comm, Coll, Consult Spec Ed (3 Credits)

EEX6625 App Beh Anal Ed and Perf Mgmt (3 Credits)

EEX6668 Behaviorism (3 Credits)

EEX6747 Ethics in ABA and Ed Settings (1-3 Credits)

EEX6841 Practicum in Special Education (3-9 Credits)

Major: ASL/English Interpreting

Concentration: General Practice

Degree: Master of Science

Major Requirements (30 credits)

INT5457 Interp Intercultural Contexts (3 Credits)

INT5805 Mentoring Int. Ed. (3 Credits)

INT5954 Service Learn DC (3 Credits)

INT6274 Adv ASL Concepts for Interp (3 Credits)

INT6276 Teaching Cognitive Processing (3 Credits)

INT6415 DeafBlind Interpreting (3 Credits)

INT6425 Legal Interpreting (3 Credits)

INT6435 Mental Health Interpreting (3 Credits)

INT6436 Healthcare Interpreting (3 Credits)

INT6911 Applied Research Interpret (3 Credits)

Major: Sport Management

Degree: Bachelor of Science

Informational Text

STUDENT MUST SEE AN ACADEMIC ADVISOR TO ADD A MINOR FROM THE LIST BELOW TO THEIR DEGREE PROGRAM!

- Choose 1 of the Minors listed below (12 Hours)
- Business Management
- Marketing
- Community Leadership
- Community Sport & Tourism
- Communication Studies
- Fitness Management
- NOTE: Students may also choose Mass Communication Minor which is a 15 required hours)

Prerequisites (9 credits)

ACG2021 Prin of Financial Accounting (3 Credits)

ECO2013 Principles of Macroeconomics (3 Credits)

SPM2000 Intro to Spt Mgmt (3 Credits)

Major Requirements (30 credits)

PET3473 Communication in Sport (3 Credits)

PET3493 Issues in Sport (3 Credits)

PET4464 Sport Finance (3 Credits)

PET4476 Sport Law (3 Credits)

SPB3603 Diversity in Sport (3 Credits)

SPM3044 Governance and NCAA Compliance (3 Credits)

SPM3104 Sport Facility Management (3 Credits)

SPM3306 Sport Marketing (3 Credits)

SPM4516 Dev and Fund in Sport (3 Credits)

SPM4703 Sport Business Analytics (3 Credits)

Required Business (3 credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

Field Experience (15 credits)

SPM3948C Sport Management Practicum (3 Credits)

SPM4941 Sport Management Internship (12 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Minor: Sport Management

Minor: Sport Management (15 credits)

- SPM 3306 Sport Marketing (Spring only)
- PET 3473 Communication in Sport (Spring only)
- SPM 3044 Sport Governance (Spring Only)
- PET 4464 Sport Finance (Fall only)
- PET 3493 Issues in Sport (Fall only)
- PET 4476 Sport Law (Fall only)
- SPM 3104 Sport Facility Management (Summer only)
- PET 4401 Administration of PE/Sport (Fall/Sprg/Summer)

SPM2000 Intro to Spt Mgmt (3 Credits)

SELECT FOUR OF THE COURSES BELOW:

- SPM 3306 Sport Marketing
- PET 4464 Sport Finance
- PET 3473 Communication in Sport
- PET 4401 Administration of PE/Sport
- PET 3493 Issues in Sport
- PET 4476 Sport Law
- SPM 3104 Sport Facility Management
- SPM 3044 Sport Governance

Minor: Leadership

Minor: Leadership (12 credits)

The Leadership Minor is available for all UNF undergraduate students, and allows students to distinguish themselves through personal, academic, and professional success. Students learn about the importance of leadership, and how to practice leadership approaches and skills to positively impact others. Through experiential learning, leadership prepares students to develop a deeper understanding of their personal values, leadership skills, strengths and goals, to frame the learning from their major coursework with the intentional study and practice of leadership. Students benefit from the opportunity to enhance their personal and professional life skills, building their motivation to be confident in striving for success in real workplace and community settings.

For more information go to www.unf.edu/taylor-leadership and visit the Taylor Leadership Institute.

Students can complete the Leadership Minor in 4 semesters or less.

*A UNF GPA of 2.0 or higher is required for the Leadership Minor.

LDR3003 Introduction to Leadership (3 Credits)

CHOOSE 2 electives

Interdisciplinary Leadership Electives - Students should choose two appropriate leadership electives approved by TLI and faculty teaching the courses.

LDR4263 Leadership Practicum (3 Credits)

Minor: Community Sport & Tourism

Minor: Community Sport & Tourism (12 credits)

LEI3004 Intro to Rec, Tourism & Events (3 Credits)

LEI3266 Outdoor Adventure Education (3 Credits)

LEI3341 Commercial Rec & Tourism (3 Credits)

LEI3438 Intramural & League Management (3 Credits)

Minor: Fitness Management

Minor: Fitness Management (12 credits)

PET3768C Exercise Instruction (3 Credits)

PET4416 Theo and Prac of Fit Man (3 Credits)

SPM3104 Sport Facility Management (3 Credits)

COMPLETE 3 total credit hours

Courses cannot be repeated

- PEL1121 Golf (1 credit)
- PEL1211 Softball (1 credit)
- PEL1321 Volleyball (1 credit)
- PEL1341 Tennis (1 credit)
- PEL1441 Racquetball (1 credit)
- PEL1621 Basketball (1 credit)
- PEM1104 Physical Conditioning (2 credits)
- PEM1131 Weight Training (2 credits)
- PEL2905 Selected Topics Activities: Variable tile (1-3 credits)

Minor: Learning Design and Technology

Minor: Learning Design and Technology (12 credits)

A grade of C or better is required for all minor courses. No more than 6 semester hours, or 2 courses of transfer credits may be used in the minor. Only 6 semester hours of lower level credit may be used. **A minimum of 9 semester hours must be upper level.**

GENERAL REQUIREMENT

EME2040 Introduction to Educational Technology for Learning Professionals (3 credits)

SELECT 3 Design &Technology Requirement

- EME3045 Technology Tools & Skills for Effective Communication (3 credits)
- EME3047 Technology Tools & Skills for Effective Presentation (3 credits)
- EME3048 Designing for learning platforms (3 credits)
- EME3044 Issues and Trends in Educational Technology (3 credits)

Major: Educational Leadership

Degree: Doctor of Education

Major Requirements (51 credits)

EDA7980 Doctoral Dissertation Research (1-12 Credits)

A minimum of 12 hours of dissertation is required.

EDA7190 Ldship for the Evolving Ldr (3 Credits)

Evolving Leader

EDA7192 Coll Lead Orgs and Comms (3 Credits)

Organizations and Communities

EDA7193 Ed Ldrship for Change (3 Credits)

for Change

EDA7194 Seminar in Educational Policy (3 Credits)

EDA7400 Quant Mtds in Education (3 Credits)

EDA7410 Qual Mtds in Education (3 Credits)

EDA7420 Fnds of Research in Education (3 Credits)

EDA7421 Res Design Sem 2: Prop Develo (3 Credits)

Proposal Development

EDA7426 Aca Wrt Frame Prob of Prac (3 Credits)

Framing Problems of Practice

EDA7979 Res Design Sem 1: Adv Meths (3-6 Credits)

Advanced Methods

EDF7215 Learning and Instruction (3 Credits)

EDF7545 Philosophy of Education (3 Credits)

EDF7635 Cultrl/Soc Foundation of Ed (3 Credits)

Cognate (9 credits)

COGNATE 9 HOURS REQUIRED

9 hours of 6000-7000 level courses may be used for cognate. Courses must be within the same discipline.

NOTE: Courses used in previous degree will not apply.

Executive Track

Applicants for the EdD program in Educational Leadership with expertise in educational leadership and advanced professional development training may be eligible for the Executive Track. Applicants for the Executive Track may have between 3 to 9 credits waived from the 60 credit program requirement based on these professional development experiences. Each application to the Executive Track will be reviewed on a case-by-case basis. Students applying to the Executive track must submit a letter of request describing the professional development training. Additionally, materials about the content and scope of the professional development training and proof of completion need to be submitted for to the faculty to review. This must be done on application to the program, or by the end of the second semester of coursework.

The doctoral teaching faculty committee will review each application and determine if professional development training experiences are recent, relevant, and sufficient to waive program coursework. Only professional development completed within the last 4 years will be eligible for being used in the Executive track. However, these professional development experiences cannot serve as a waiver for any core program requirements but can count as waivers towards cognate course credits. Applicants accepted into the Executive Track programs of study will vary between 51 to 57 total credits. This includes completing between 39 and 45 credits of course work and 12 credits of dissertation.

00001

Major: Educational Leadership

Degree: Specialist in Ed Leadership

Major Requirements (33 credits)

EDA7190 Ldship for the Evolving Ldr (3 Credits)

EDA7192 Coll Lead Orgs and Comms (3 Credits)

EDA7193 Ed Ldrship for Change (3 Credits)

EDA7194 Seminar in Educational Policy (3 Credits)

EDA7262 Ed Leader III:Org Theory & Des (3 Credits)

EDA7400 Quant Mtds in Education (3 Credits)

EDA7410 Qual Mtds in Education (3 Credits)

EDA7420 Fnds of Research in Education (3 Credits)

EDF7215 Learning and Instruction (3 Credits)

EDF7545 Philosophy of Education (3 Credits)

EDF7635 Cultrl/Soc Foundation of Ed (3 Credits)

Culminating Experience (3 credits)

- This course will consist of a student project supervised by graduate level faculty. The Doctoral Program Director will approve projects on a case by case basis

EDA7905 Individual Study and Research (1-3 Credits)

Major: Educational Leadership

Concentration: School Leadership

Degree: Master of Education

Core Requirements (6 credits)

EDA6061 Intro. to Ed. Ld. Soc. Justice (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- EDF 6480 Foundations in Education Research
- EDG 6911 Action Research in Education

*

Major Requirements (24 credits)

Students will take the EDA6945 Practicum in Educational Leadership for 3 credits and may take the course for 3-6 credits if they already possess a master's degree.

EDA6196 Leadership/Learning Organizat (3 Credits)

EDA6215 Developing School/Comm Resourc (3 Credits)

EDA6232 Law and Ethics in Edu Lead (3 Credits)

EDA6242 School Finance (3 Credits)

EDA6945 Practicum in Educatl Leadrshp (1-9 Credits)

EDG6625 Curriculum and Assessment Ld. (3 Credits)

EDS6050 Instructional Leadership (3 Credits)

EDS6130 Human Resource Deve in Educati (3 Credits)

Major: Higher Education Admin.
Concentration: General Higher Education
Degree: Master of Science

Core Requirements (6 credits)

EDH6069 Foundations of Higher Ed (3 Credits)

EDF6480 Foundations of Ed Research (3 Credits)

Major Requirements (18 credits)

EDH6405 Higher Education Law (3 Credits)

EDH6505 Higher Education Finance (3 Credits)

EDH6401 Higher Education Policy (3 Credits)

EDH6635 Org and Leadershp in Higher Ed (3 Credits)

EDH6020 Foundations of Student Affairs (3 Credits)

EDH6050 Diversity in Higher Ed. (3 Credits)

Major Electives (12 credits)

SELECT 9 hours from:

- EDH6025 Higher Education Advancement
- EDH 6415 Personnel Management in Higher Education
- EDH 6648 Outcomes Assessment in Higher Education
- EDH 6058 Comparative Higher Education
- EDH 6637 Campus Crisis Management
- EDH 6946 Practicum in Higher Education
- EDA 6191 Team Leadership & Development
- EDA 6302 Lifelong Learning & Professional Development
- EDH 6510 Grants Development & Program Design
- EDA 6271 Technology & Educational Leadership
- EME 6409 Interactive Distance Education
- EME 6601 Instructional Design & Applications
- SPM 5158 Intercollegiate Athletic Administration
- SPM 5605 Sport Governance & Compliance

SELECT 3 hours - consult with faculty

Major: Higher Education Admin.
Concentration: International Programs
Degree: Master of Science

Core Requirements (6 credits)

EDH6069 Foundations of Higher Ed (3 Credits)

EDF6480 Foundations of Ed Research (3 Credits)

Major Requirements (18 credits)

EDH6405 Higher Education Law (3 Credits)

EDH6505 Higher Education Finance (3 Credits)

EDH6401 Higher Education Policy (3 Credits)

EDH6635 Org and Leadershp in Higher Ed (3 Credits)

EDH6020 Foundations of Student Affairs (3 Credits)

EDH6050 Diversity in Higher Ed. (3 Credits)

Major Electives (12 credits)

EDH6058 Comparative Higher Ed (3 Credits)

EDH6946 Practicum in Higher Ed. Admin. (3 Credits)

EDH6250 Study Abroad HEA (3 Credits)

- Must be completed in UNF or other institutional International center; any approved elective if waived for previous full-time employment in international center

SELECT 3 hours - consult with faculty

Major: Higher Education Admin.

Concentration: Student Affairs

Degree: Master of Science

Core Requirements (6 credits)

EDH6069 Foundations of Higher Ed (3 Credits)

EDF6480 Foundations of Ed Research (3 Credits)

Major Requirements (18 credits)

EDH6405 Higher Education Law (3 Credits)

EDH6505 Higher Education Finance (3 Credits)

EDH6401 Higher Education Policy (3 Credits)

EDH6635 Org and Leadershp in Higher Ed (3 Credits)

EDH6020 Foundations of Student Affairs (3 Credits)

EDH6050 Diversity in Higher Ed. (3 Credits)

Major Electives (12 credits)

SELECT 9 hours from:

- EDH 6045 Student Development in Higher Education
- EDH 6031 Leadership of Student Affairs
- EDH 6946 Practicum in Higher Education
- EDH 6510 Grants Development & Program Design
- EDH 6058 Comparative Higher Education
- EDH 6041 College Student Counseling
- EDH6637 Campus Crisis Management
- EDH 6648 Outcomes Assessment in Higher Education
- EDH 6416 Career Services in Higher Education
- SPM 5158 Intercollegiate Athletic Administration

SELECT 3 hours - consult with faculty

Major: Higher Education Admin.

Concentration: Collegiate Athletics

Degree: Master of Science

Core Requirements (6 credits)

EDH6069 Foundations of Higher Ed (3 Credits)

EDF6480 Foundations of Ed Research (3 Credits)

Major Requirements (18 credits)

EDH6405 Higher Education Law (3 Credits)

EDH6505 Higher Education Finance (3 Credits)

EDH6401 Higher Education Policy (3 Credits)

EDH6635 Org and Leadership in Higher Ed (3 Credits)

EDH6020 Foundations of Student Affairs (3 Credits)

EDH6050 Diversity in Higher Ed. (3 Credits)

Major Electives (12 credits)

SPM5158 Intercollegiate Athletic Admin (3 Credits)

SELECT TWO OF THE FOLLOWING:

- SPM5206 Ethics and Issues in Sport (3 credits)
- SPM5308 Marketing and Promotions in Sport (3 credits)
- SPM5506 Sport Finance (3 credits)
- SPM5605 Sport Governance and Compliance (3 credits)
- SPM6106 Sport Facility and Risk Management (3 credits)

ELECTIVE chosen with advisor

Major: EdTech, Training & Dev

Degree: Master of Science

Core Requirements (6 credits)

SELECT ONE FROM THE FOLLOWING:

- EDF 6607 Education in America (3 credits)OR
- EDF 6687 Multi. & Urban Found. in Ed. (3 Credits) OR
- EDH 6069 Foundations of Higher Ed. (3 Credits) OR
- EME 6442 Curriculum and Instruction for Adult Learning (3 Credits)

SELECT_ ONE FROM THE FOLLOWING:

- EDF 6480 Foundations in Education Research (3 credits) OR
- EDG 6911 Action Research in Education (3 credits)

Major Requirements (12 credits)

EME6601 Instruct Design/Applications (3 Credits)

EME6061 Ed Tech Portfolio (0 Credits)

SELECT 1 FROM THE FOLLOWING:

- EDA 6271 Technology for Educational Leaders (3 credits) OR
- EME 5403 Technology in Education (3 credits)

SELECT one from the following

- EDH 6510 Grants Development & Project Design (3 credits)
OR
- EDG 6285 Fundamentals of Program Evaluation (3 credits) OR
- EDG 6287 Princ. of Sch Account. & Assess (3 credits)

SELECT one from the following:

- EME6344 Lifelong learning/Prof Develop (3 credits) OR
- EME6678 Effective Training Design & Development (3 credits)

Major Electives (12 credits)

SELECT_ 4 FROM THE FOLLOWING LIST:

- EEX 5767 Assistive and Instructional Tech for Students with Autism (3 credits)

- EME 6046 Technology and Literacy (3 credits)
- EME 6050 Enhance Instructional Technology (3 credits)
- EME 6052C Technology, Education, and Culture (3 credits)
- EME 6055 Trends & Issues in Technology, Education and Training (3 credits)
- EME 6405 Educational Web Design (3 credits)
- EME 6409 Interactive Distance Education (3 credits)
- EME 6418 Educational Multimedia (3 credits)
- EME 6441 Technology for Special Populations (3 credits)
- EME 6609 Universal Design for Learning (UDL) Diversity and Inclusion Practices for Training and Development (3 credits)
- EME699x Educational Technology Experimental/Special Topics Courses (3 credits)
- EME 7415 Education Design Multimedia (3 credits)
- Or AN ELECTIVE selected in consultation with an Educational Technology faculty advisor.

Major: Educational Leadership
Concentration: Athletic Administration
Degree: Master of Education

Prerequisites (3 credits)

SPM6008 Foundations of Sport Mgt (3 Credits)

Core Requirements (6 credits)

Minimum of B grades required

EDF6480 Foundations of Ed Research (3 Credits)

EDF6607 Education in America (3 Credits)

Major Requirements (30 credits)

"B" grade is required

SPM5206 Ethics and Issues in Sport (3 Credits)

SPM5308 Mkt and Promo in Sport (3 Credits)

SPM5506 Sport Finance (3 Credits)

SPM5605 Sport Gov and Compl (3 Credits)

SPM6106 Sport Facility and Risk Mgt (3 Credits)

EDS6130 Human Resource Deve in Educati (3 Credits)

EDA6232 Law and Ethics in Edu Lead (3 Credits)

EDA6191 Team Leadership (3 Credits)

EDG6285 Fundamentals of Program Eval (3 Credits)

SPB6946 Practicum in Ath Admin (3 Credits)

Major: Counselor Education
Concentration: School Counseling
Degree: Master of Education

Prerequisites (6 credits)

Required Pre-Professional Competencies for Florida School Counseling Certification

Completion of this state-approved and CACREP (Council for the Accreditation of Counseling and Related Educational Program) accredited preparation program provides students with the required competencies in ESOL and Reading competencies for Florida Department of Education Certification in School Counseling. Admitted students are provided advisement if previous coursework is approved to establish ESOL and Reading competencies.

TSL6700 ESOL for School Counselors (3 Credits)

RED6334 Content Area Reading (3 Credits)

Core Requirements (6 credits)

EDF6495 Rsrch and Assess in Sch Cnsl (3 Credits)

EDF6607 Education in America (3 Credits)

Major Requirements (45 credits)

MHS5005 Introduction to Guidance (3 Credits)

MHS6407 Theories of Counseling (3 Credits)

MHS6421 Counseling Children/Adolescent (3 Credits)

MHS6482 Person/Life Span Development (3 Credits)

MHS6530 Group Work for Schl Counseling (3 Credits)

MHS6600 Seminar:Consultation Skills (3 Credits)

MHS6780 Lgl,Eth,Prof School Counseling (3 Credits)

SDS6000 School Family: Mng Student Beh (3 Credits)

SDS6014 Org/Adm of School Counseling (3 Credits)

SDS6310 College and Career Readiness (3 Credits)

SDS6466 Crisis/Disaster Management (1 Credit)

SDS6820 Supervised Field Exp I (1 Credit)

SDS6821 Supervised Field Exp II (1 Credit)

SDS6830 Internship Couns/Coordination (3 Credits)

SDS6831 Internship: Mngmt Res (3 Credits)

SDS6832 Intrnshp: College/Career Ready (3 Credits)

SDS6940 Practicum in School Counseling (3 Credits)

Undergraduate Courses

Brooks College of Health

HSC4934: Interdisciplinary Health Studies

Capstone

3

Description: The interdisciplinary capstone provides students an opportunity to apply their knowledge and abilities, as well as hone skills in preparation for employment or graduate study in healthcare. Capstone projects may take many different forms including community-based internships, independent research projects, study abroad experience, or other projects under the direction of the program director.

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Undergraduate Courses

Nursing

HSC3628: Healthcare Issues in Worldwide Communities **3**

Description: This course provides students with real life skills and experiences in the community working with populations that can be translated directly into practice in other communities around the world. Students will work in multidisciplinary teams to address an identified need of a given population and formulate solutions from a variety of health perspectives.

NSP3196: Core Concepts in End of Life Nursing Care **1**

Description: This nursing elective is designed in connection with the End of Life Nursing Education Consortium (ELNEC) and was developed to train students on fundamental palliative care skills. This course provides students with the knowledge and skills required to offer this specialized care while positively impacting the lives of patients and families facing serious illness and of the end of life.

NSP3486: AIDS: A Health Perspective **3**

This course provides a comprehensive view of the spectrum of HIV infection from a multidisciplinary perspective. Faculty from the College of Health and invited experts in the community will present content relevant to: risk, prevention, testing, counseling and treatment. Ethical/legal, psychosocial and health care values are also addressed.

NSP4495: Identification of Emergency Situations **3**

Description: During this course, the student will review emergency

situations that occur in the acute care setting. The course is designed to highlight emergency identification and rapid response protocols. Rapid Response interventions, collaborative communication and ACLS protocols will be emphasized. In addition, current case studies and simulation exercises will be utilized with course material. ACLS certification will be offered as part of the course and will be given at completion of the course.

NSP4955: Culture and Health Care in Ireland

1

Prerequisite: At least a junior standing and an interest in health care. A nine-day international travel program to Ireland for UNF students. Focus is on the Irish health care system, arts and culture. This international study course will provide UNF students and members of the health care community the opportunity to spend one week in Ireland visiting cultural sites, attending presentations related to health care delivery in Ireland, and observing selected health care settings. This is a Pass/Fail course.

NUR2930: Special Topics in Nursing

v. 1-4

Electives on various issues related to nursing. Topics will vary and may include: AIDS: A Health Care Perspective, Introduction to Professional Nursing, etc. May be repeated up to 15 credits with different course content.

NUR3028L: Fundamental Nursing

Concepts and Practice

v. 4-5

Corequisites: NUR 3065L, NUR 3128, and NUR 3619

Description: This course includes nursing concepts that are foundational to professional nursing practice. The focus is on the development of knowledge and psychomotor skills required to provide safe, effective person-centered care for individuals across the lifespan. This course provides the opportunity to use the nursing process in collaborative partnerships with individuals, families, and communities in a variety of environments of care. The learner will participate in clinical activities as a provider of culturally sensitive, evidence-based nursing care.

**NUR3065L: Health Assessment of
Individuals Across the Lifespan**

3

Co-requisites: NUR 3028L, NUR 3619, and NUR 3128

Description: This course includes information required for the health assessment of the individual throughout the lifespan. The focus is on the development of a collaborative partnership with the individual and the assessment of biological, psychological, environmental, and sociocultural systems with emphasis on sociocultural and developmental variations. The emphasis is on knowledge and skills required to critically evaluate health assessment data.

NUR3082: Perspectives in Chronicity

3

Prerequisite: NUR 3065L, NUR 3166, NUR 3619

Description: This course includes information on the concept of chronicity from the lived perspective of individuals and families experiencing a chronic condition. Emphasis is on factors that affect the optimal health and well-being of vulnerable populations, individuals and families. Special emphasis on evidence-based models of care and implications for collaborative nursing practice will also be included.

NUR3082L: Perspectives in Chronicity:

Nursing Practice

1

Prerequisite: NUR 3065L, NUR 3166, NUR 3619, and NUR 3825

Co-requisite: NUR 3167, NUR 4826, NUR 4827, and NUR 3082

Description: The learner will participate in clinical activities in the practice of chronic care and health promotion focusing on vulnerable individuals and families in the community.

**NUR3128: Pharmacology Concepts for
Nursing Practice**

2

Co-requisite: NUR 3028L, NUR 3065L, NUR 3536

Description: This course includes information about pharmacotherapeutic agents used in the treatment of illness and the promotion, maintenance and restoration of wellness in individuals across the lifespan. The focus is on principles of

pharmacokinetics, pharmacodynamics and pharmacogenetics. Emphasis is on concepts of safe medication administration and monitoring the effects of pharmacotherapeutic agents.

NUR3166: Introduction to Nursing Science v. 2-3

Prerequisite: NUR 3028L

Description: This course includes information related to research and evidence-based practice processes. The focus is on a brief the history of nursing science, sources of clinical nursing problems, and components of primary research reports. Emphasis is on skill development in searching and sorting evidence for rapid critical appraisal toward integrating research evidence into best practices.

NUR3172: Foundations of Therapeutic

Touch

1

Description: This course introduces the learner to the essential knowledge and skills regarding the theory and evidence-based practice of TT. Therapeutic Touch students learn to connect with healing partners at an energetic level, establish a helping relationship, and attain consent from the healing partner to participate in TT. Learners examine how essential elements of the TT practice assist individuals who are experiencing a variety of health challenges. Teaching approaches include lecture, videos, demonstration of TT by the instructor, and return demonstration by the student, journaling, documentation of results utilizing TT specialty notes, and dialogue with instructor and students.

NUR3219C: Chronic and Rehabilitative

Nursing Concepts and Practice

v. 4-5

Prerequisite: NUR 3028L

Description: This course includes information required for the care of adults with chronic diseases and conditions. The focus is on the use of the nursing process in collaborative partnership with adults who are experiencing physical illness or disease, in the inpatient and outpatient setting. Emphasis is on professional nursing roles and responsibilities in designing, managing, and evaluating culturally sensitive care for adults in order to maintain, restore, and optimize their level of functioning. The course will focus on

rehabilitative and chronic care conditions.

NUR3255C: Medical-Surgical Nursing

Concepts and Practice

v. 5-6

Prerequisite: NUR 3166, NUR 3531C, NUR 3219C, and NUR 3825

Co-requisite: NUR 4168, NUR 4491C, and NUR 4826

Description: This course includes information required for the care of adults with complex clinical conditions. The focus is on the use of the nursing process in collaborative partnership with adults who are hospitalized with acute care physical illness or disease. Emphasis is on professional nursing roles and responsibilities in designing, managing, and evaluating culturally sensitive care for complex adults in order to maintain, restore, and optimize their level of functioning.

NUR3531C: Psych Mental Health Nursing

Concepts and Practice

3

Prerequisites: NUR 3028L

Description: This course includes information on factors that affect the optimal health and well being of vulnerable individuals, families, and communities. The focus is on the use of the nursing process in collaborative partnerships with individuals with physical or mental illness, disease, or disability. Emphasis is on professional nursing roles and responsibilities in designing and managing care. The learner will participate in clinical activities as a provider of direct and indirect culturally sensitive, evidence-based nursing care.

NUR3619: Family/Community Assessment

v. 3-4

Co-requisite: NUR 3065L, NUR 3028L, and NUR 3128

Description: This course includes information required for the assessment of health indicators in culturally diverse, healthy families and communities and the identification of community resources and assets. The focus is on recognition of multiple influences on families and populations as they adapt to everyday life---events. The nursing process is used to examine the relationship between these influences and family and community

functioning. The emphasis is on the role of the professional nurse in engaging families and communities in health promotion, risk reduction and disease prevention.

NUR3805: Socialization to Professional

Nursing

2

Description: This course includes information on the profession of nursing and introduces the student to the heritage of nursing. The focus is on the contemporary image of the nursing profession in its varied roles within the health care system. The philosophical and theoretical bases of nursing as a profession are explored. The emphasis is on nursing as a vital component of health care and on initial socializing of students into the professional role.

NUR3816: Professional Nursing Concepts

3

Prerequisites: NUR 3028L

Description: This course includes information on the historical and contemporary social forces that influence the profession of nursing. The focus is on understanding the healthcare system and the varied roles of nursing within that system. The philosophical, theoretical, legal, and ethical bases of professional nursing practice are examined. Principles of leadership and management are explored. Emphasis is on development and application of collaborative and interpersonal skills for working with interprofessional teams.

NUR3825: Concepts of Professional

Nursing

3

Prerequisites: NUR 3028L

Description: This course includes information on the historical and contemporary social forces that influence the profession of nursing. The focus is on understanding the healthcare system and the varied roles of nursing within that system. The philosophical and theoretical bases of nursing as a profession are explored. The emphasis is on facilitating internalization of the core values of nursing.

NUR4077: Human Communication in

Palliative Nursing

1

Description: This course includes information required for nurses to provide effective, therapeutic and culturally competent care through human communication. Emphasis is on physical, spiritual, social and end of life aspects of human communication. Students explore the impact of their values on patient care, learn assertive communication and conflict resolution techniques, develop skills in building nurse-client and interdisciplinary relationships, and examine communication issues in health education and aspects of ethical and legal issues.

NUR4093: Perioperative Nursing Core

Course

3

Prerequisites: NUR 3229 and NUR 3219C

Description: This course is focused on providing education to Registered Nurses who are either new graduates, have been previously employed in non-OR nursing positions or nursing students who have finished their second semester of nursing school. This program will provide all students with basic knowledge and clinical skills necessary to function independently in an entry level perioperative nursing position. The course consists class, lab skill practice and observational experiences in an operating room. Clinical experiences (which will be developed on an individual basis) are designed to familiarize the student with the various surgical specialties and to develop the relevant clinical skills to apply the nursing process to the care of a patient undergoing elective or emergency surgical intervention.

NUR4168: Research Translation

1

Prerequisites: NUR 3166

Description: This course includes information required to begin to bridge the research-practice gap. The focus is on components of and rapid critical appraisal of systematic reviews and guidelines for evidence-based practice. Emphasis is on the role of the baccalaureate nurse in evidence-based nursing practice.

NUR4177: Incorporating moral resilience into nursing practice

1

Description: This course will address the topic of moral distress, compassion fatigue, incivility and moral resilience as it relates to nursing practice through a variety of teaching methods. In addition, students will learn moral resilience techniques and apply these techniques to nursing practice.

NUR4256C: Complex Nursing Concepts and Practice

v. 5-6

Prerequisites: NUR 3255C

Description: This course includes information required for the care of adults with complex clinical conditions. The focus is on the use of the nursing process in collaborative partnership with adults who are hospitalized with acute care physical illness or disease. Emphasis is on professional nursing roles and responsibilities in designing, managing, and evaluating culturally sensitive care for complex adults in order to maintain, restore, and optimize their level of functioning. This course has 3 credits for lecture and 3 credits for lab

NUR4351C: Pediatric Nursing Concepts and Practice

3

Prerequisite: NUR 3255C

Description: This course includes information on factors that affect the optimal health and well being of children. The focus of this course is the use of the nursing process in collaborative partnership with children. Emphasis is on professional nursing roles and responsibilities in designing and managing culturally sensitive care for children in order to maintain, restore, and optimize their level of functioning. The learner will participate in clinical activities as a provider of culturally sensitive, evidence-based nursing care.

NUR4491C: Maternity and Women's Health Nursing Concepts and Practice

3

Prerequisite: NUR 3219C

Description: This course includes information on factors that affect the optimal health and well being of women. The focus of this course is the use of the nursing process in collaborative

partnership with women across the lifespan. Emphasis is on professional nursing roles and responsibilities in designing and managing culturally sensitive care for women in order to maintain, restore, and optimize their level of functioning. The learner will participate in clinical activities as a provider of culturally sensitive, evidence-based nursing care.

NUR4635: Community Partnerships **3**

Prerequisite: NUR 3082, and NUR 3082L and NUR 3619

Description: This course includes information on the importance of partnerships in promoting community health. The focus is on collaborative planning, implementation, and evaluation of culturally sensitive, evidence-based health promotion and prevention interventions with individuals and populations.

NUR4635L: Community Nursing Practice **2**

Prerequisite: NUR 3082, and NUR 3082L and NUR 3619

Description: Students use evidence and theories from a variety of disciplines in the provision of culturally sensitive care and the improvement of nursing practice in the community setting.

NUR4636C: Community Partnerships and Nursing Practice **v. 4-5**

Prerequisite: NUR 4256C

Description: This course includes information on the importance of partnerships in promoting community health. The focus is on collaborative planning, implementation, and evaluation of culturally sensitive health promotion and prevention interventions with individuals and populations.

NUR4826: Ethical-Legal Concepts in Nursing and Healthcare **2**

Prerequisites: NUR 3825

Description: This course includes information required for critically analyzing ethical and legal issues confronting nurses and other health care providers in a variety of health care settings. The focus is on identification and analysis of ethical and legal concepts and principles underlying nursing and health care, including

values clarification, ethical theory, ethical decision-making models, and professional ethical standards. Emphasis is on ethical decision-making obligations of professional nurses

NUR4827: Leadership and Management

Concepts in Nursing

3

Prerequisites: NUR 4826

Description: This course includes information required to understand leadership and management concepts used to address issues within health care organizations. The focus is on the interrelationship of various roles within an organization and analysis of leadership and management theories in the application of those roles. Emphasis is on development and application of collaborative and interpersonal skills for working with interprofessional teams.

NUR4905: Senior Problems

v. 1-6

Prerequisite: Senior standing and permission of instructor. Independent study on selected clinical problems. May be repeated for 9 credits.

NUR4906: Professional Nursing Transition

2

Prerequisite: NUR 3065L, NUR3805, NUR4635, NUR4635L, NUR4826, NUR4168

Description: During this course the student demonstrates achievement of program objectives while working in partnership with individuals, families, communities and other health care professionals. This course includes information required for transition from the baccalaureate student role to the role of a professional baccalaureate prepared nurse. The focus is on skills used by the nurse to excel as a clinician, professional leader, communicator, and as a citizen.

NUR4906L: Professional Nursing

Transition:Nursing Practice

v. 1-4

Prerequisite: NUR 3065L, NUR3805, NUR4635, NUR4635L, NUR4826, NUR4168

Description: During this course the student demonstrates achievement of program objectives while working in partnership

with individuals, families, communities and other health care professionals. Students use evidence and theories from a variety of disciplines in the provision of culturally sensitive care and the improvement of nursing practice.

NUR4915: Honors Research in Nursing v. 1-3

Description: This is an independent study course designed for the Honors in the Major: Nursing student. The course may be taken for 1-3 credits starting in semesters 2 or 3. The students will be required to develop a research, evidence based or quality improvement project that reflects a nursing problem of interest.

NUR4945C: Professional Nursing

Integration v. 3-7

Prerequisite: NUR 4256C

Description: During this course the student demonstrates achievement of program objectives while working in partnership with individuals, families, communities and other health care professionals. This course includes information required for transition from the baccalaureate student role to the role of a professional baccalaureate prepared nurse. The focus is on skills used by the nurse to excel as a clinician, professional leader, communicator and as a citizen. Students use evidence and theories from a variety of disciplines in the provision of culturally sensitive care and the improvement of nursing practice. In addition, the student demonstrates competence in a simulation experience and comprehension of nursing concepts through case study activities.

NUR4954: Culture and Health in Thailand 3

Description: The purpose of this course is to advance students' understanding of nursing and health care from a global perspective. An ecological perspective is used to explore multiple determinants of health in Thailand, emphasizing Thai culture as it relates to Traditional and Western style health practices. Students participate in a 12-day trip, including a course at the Chiang Mai University Faculty of Nursing where they learn about nursing education and faculty research in the community.

Associated field experiences involve interacting with Thai faculty, students and community workers as they visit community hospitals and clinics, village centers and local homes.

NUR4955: Culture and Health in Austria

v. 1-3

Description: The purpose of this course is to advance students' understanding of nursing and health care from a global perspective. This international study course will provide students the opportunity to spend 9 to 10 days in Salzburg, Austria, visiting historical and cultural venues, attending presentations related to health care in Austria, exploring the roles of registered nurse and advance practice nurse within the Austrian health care system, and visiting selected health care settings.

NUR4956: Culture and Health in England

v. 1-3

Description: The purpose of this short-term study abroad course is to increase students' knowledge and understanding of global health issues. This international study course will afford students the opportunity to interact with British nurses in the clinical setting as well as nurse educators in academic settings. This 9 to 10-day trip will allow students to examine cultural differences and embrace the opportunity of global similarities.

Undergraduate Courses

Clinical & Applied Movement Sc

APK3115C: Practical Skills in Strength and Conditioning **3**

Prerequisites: HSC 4612, PET 3312C, PET 3325, PET 3768C

Co-requisite: EP 4135 This course is designed to provide students with practical instruction in strength and conditioning activities that will assist clients in reaching their athletic goals. Activities will address the athletic components of strength, power, speed, agility, and endurance.

APK4120C: Clinical Exercise Physiology **3**

Prerequisites: HSC 4612, HSC 4615L, PET 3080 This course involves the study of how exercise is utilized as an intervention in the prevention and treatment of chronic disease. The physiology of medications typically prescribed in chronic disease will be addressed as well as their exercise interactions. The knowledge, skills, and abilities (KSAS) that help prepare students for American College Sports Medicine (ACSM) certification as an exercise specialist will be introduced. Course fees: \$12.00

APK4125: Exercise Prescription **3**

Description: This course will prepare students to develop individualized exercise prescriptions based on a clients health status and goals.

APK4165: Bioenergetics **3**

Description: This course provides an overview of how the body takes in energy, digests, absorbs, and metabolizes nutrients, and the possible roles of sports supplements in these processes. Emphasis will be placed on energy systems of the body, fluid balance, gastrointestinal tract, ergogenic aids, and energy balance.

**APK4912: (H) Directed Independent Study -
Honors in Exercise Science Research v. 3-6**

Description: Study of special topics under the guidance of faculty members. This is the first course for students who wish to conduct independent research in Exercise Science with a faculty member. This course must be completed before the student writes an Honor Thesis. This course may be completed with a minimum of three credits.

Repeatability: May be repeated with change of content up to a total of six credits.

APK4941: Exercise Physiology Practice 3

Description: This capstone course has been designed to integrate the information students have learned throughout the Exercise Science curriculum and focus on the application of this information in becoming a health care professional.

**APK4971: (H) Directed Independent Study -
Honors in Exercise Science Thesis v. 3-12**

Prerequisite: APK 4912

Description: A directed research and thesis writing experience in which the student works with a faculty mentor to produce a thesis. The thesis will be evaluated by both the mentoring faculty member and two other faculty members. This is the second course for students who wish to conduct independent research in Exercise Science with a faculty mentor. This course leads to completing Honors in Exercise Science. This course may be completed with a minimum of three credits.

Repeatability: This course may be repeated for a maximum of 12 credits.

ATR2000C: Introduction to Sports Medicine 3

Description: This course introduces students to the philosophy, conceptual framework, and objectives of the UNF Athletic Training Education Program, the role of the NATABOC certified athletic

trainer, and the relationship of athletic training to the U.S. health care system. Orientation to historical and contemporary issues and trends that affect the practices of athletic training are emphasized. Other sports medicine related topics such as risk management and injury prevention, pathology, assessment and care of injuries and illness, general medical conditions and disabilities, and psychosocial intervention and referral will also be introduced.

Course Fees: \$15

ATR3102: Introduction to Athletic Injuries **3**

Current principles and practices in the prevention, recognition, and management of athletic related injuries and illnesses. (A material fee of \$11.50 will be assessed.)

ATR3104C: Orthopedic Taping and Bracing **3**

Prerequisite: Declared major in Athletic Training

Co-requisite: ATR2000C and ATR3102

Description: Current principles and practice in the selection, fabrication, and application of tape, splints, casts, braces, and other orthotic devices used in athletic training and sports medicine.

Course Fees: \$30

ATR3112C: Emergency Management of Athletic Trauma **3**

Prerequisite: ATR3102 and a declared major in Athletic Training

Description: Advanced study and application of emergency management techniques in dealing with trauma resulting from injuries and illnesses suffered by an athletic population.

Course Fees: \$15

ATR3122: Gross Anatomy for Athletic Trainers **3**

Prerequisite: Declared major in Athletic Training, ATR2000C and ATR3102

Co-requisite: ATR3822

Description: Study designed to expose the athletic training student

to the macroscopic aspects of human morphology with emphasis on the musculoskeletal and neuromuscular systems. Human cadaveric specimens will be utilized along with other clinical and surgical information provided, in part, by qualified local medical professionals.

Course Fees: \$75

ATR3512: Athletic Training Administration 3

Prerequisite: ATR3102 and declared major in Athletic Training.

Description: A study of the standards, policies and practices in the organization, supervision and administration of athletic training programs. Emphasis will be placed upon planning, developing, organizing and directing an athletic training program in a variety of sports medicine settings.

ATR3812: Athletic Training Clinical

Instruction I 3

Prerequisite: Declared major in Athletic Training.

Co-requisite: ATR2000C, ATR3102 and ATR3104C

Description: An intermediate clinical experience in an athletic training - sports medicine setting with follow-up seminars. Student will integrate and apply academic work in providing care to injured athletes under the direct supervision of an NATA-BOC certified athletic trainer. To be taken in the Fall semester of the student's Junior year.

Course Fees: \$140.46

ATR3822: Athletic Training Clinical

Instruction II 3

Prerequisite: ATR3812

Co-requisite: ATR4302C, ATR4212C, and ATR3122

Description: An intermediate clinical experience in an athletic training - sports medicine setting with follow-up seminars. Student will integrate and apply academic work in providing care to injured athletes under the direct supervision of an NATA-BOC certified athletic trainer. To be taken in the Spring semester of the student's Junior year.

Course Fees: \$15

ATR4212C: Orthopedic and Injury

Assessment I

3

Prerequisite: ATR3102 and declared major in Athletic Training.

Description: The study and practice of techniques used when assessing athletic injuries to the upper extremity, head and spine.

Course Fees: \$15

ATR4213C: Orthopedic and Injury

Assessment II

3

Prerequisite: ATR4212C

Description: The study and practice of techniques used when assessing athletic injuries to the lower extremity and spine.

Course Fees: \$15

ATR4302C: Therapeutic Modalities

3

Prerequisite: ATR2000C, ATR3102 and declared major in Athletic Training.

Description: A study of current theory and application in the use of therapeutic modalities in the sports medicine-athletic training setting. Emphasis will be placed on thermal, electrotherapeutic and hydrotherapeutic modalities.

Course Fees: \$15

ATR4312C: Therapeutic Exercise

3

Prerequisite: HSC4612 and ATR4302C

Description: A study of clinical sports therapy techniques used in the rehabilitation and reconditioning of athletic injuries. Includes goniometry, manual muscle testing, therapeutic and resistance exercises and proprioceptive neuromuscular facilitation.

Course Fees: \$15

ATR4314: Rehabilitation of Athletic Injuries

3

Prerequisite: ATR4312C

Description: A study of the functional progressions and outcomes in the process of rehabilitating athletic injuries. Emphasis will be placed on rehabilitation goals and objectives as well as return participation criteria.

Course Fees: \$11.50

ATR4610: Research in Sports Medicine **3**

Description: This course is a study of the research process and its applications to sports medicine. Emphasis will be given to the components of scientific research and a scientific research proposal. Evaluation and interpretation of current research reports and manuscripts in the field of sports medicine will also be covered.

ATR4832: Clinical Practice in Athletic Training III **3**

Prerequisite: ATR 3822

Co-requisite: ATR 4212C, ATR 3512, and ATR 4312C

Description: An advanced clinical experience in an athletic training - sports medicine setting with follow-up seminars. Student will integrate and apply academic work in providing care to injured athletes under the direct supervision of an NATA-BOC certified athletic trainer. To be taken the Fall semester of the student's Senior year.

Course Fees: \$31.83

ATR4842C: Clinical Practice in Athletic Training IV **3**

Prerequisite: ATR4832

Co-requisite: ATR4933 and ATR4314

Description: An advanced clinical experience in an athletic training - sports medicine setting with follow-up seminars. Student will integrate and apply academic work in providing care to injured athletes under the direct supervision of an NATA-BOC certified athletic trainer. To be taken the Spring semester of the student's Senior year.

Course Fees: \$15

ATR4880C: Athletic Training Clinical Experience **3**

Prerequisite: Permission of Athletic Training Program Director

Description: This course will be a clinical experience in an athletic

training setting through direct supervision of a Board of Certification certified athletic trainer and lecture and laboratory sessions. The student will integrate and develop skills and techniques while providing health care to athletes and patients.

Repeatability: This course may be repeated up to 6 credits.

ATR4902: Independent Study in Athletic

Training

v. 1-3

Prerequisite: Permission of Athletic Training Program Director

Description: This course will be a specific research project of a sports medicine related topic with a supervising faculty member.

Repeatability: This course may be repeated up to 6 credits.

ATR4933: Seminar in Athletic Training

3

Prerequisites: ATR2000C, ATR3102 and declared major in Athletic Training. A study of the standards, policies and practices in the organization, supervision and administration of athletic training programs. Emphasis will be placed upon planning, developing, organizing and directing an athletic training program in a variety of sports medicine settings.

HSC2619: Introduction to Exercise Science

3

Description: This engaging introductory course provides an overview of exercise science and related areas, such as exercise physiology, athletic training, biomechanics, sports psychology, motor control and learning, nutrition, and sports injury. This course will help lower level undergraduate students develop an understanding of the basic principles of exercise science and the range of career paths in the field.

HSC3553: Pathophysiology

3

Description: This 3 credit course involves the study of physiologic changes in the body that result from disease processes. An overview of basic concepts of disease processes will be provided and particular attention will be placed on the etiology, development, and progression of chronic diseases of the cardiovascular, pulmonary, neurologic, metabolic, and

musculoskeletal systems.

**HSC4549: Advanced Exercise Physiology
for Health Science 3**

Prerequisite: HSC 4612

Description: This course will build on the concepts of Exercise Physiology learned in HSC 4612 and focus on the physiologic adaptations to acute and chronic exercise at the cellular, tissue, organ and system level.

**HSC4612: Exercise Physiology for Health
Science 3**

This course is a study of how acute and chronic bouts of exercise change the structure and function of the human body. Emphasis will be given to the effects of exercise on health related fitness, the training of athletes, and the enhancement of sport performance.

**HSC4615L: Lab Methods in Exercise
Physiology for Health Science 1**

Prerequisite or

Co-requisite: HSC 4612. Field and laboratory tests and procedures commonly used in the study of Exercise Physiology for Health Science will be examined in this course. It is designed for undergraduate Community Health students with a minor in Exercise Science. Course fees: \$25.00

**PEM3930: Special Topics in Exercise
Science 3**

Prerequisite: PET 3351C. An in-depth examination of one topic in the exercise science field. Topics will vary each semester but will be chosen from the following broad areas: fitness in special populations, exercise in rehabilitative settings, fitness, and cardiovascular health.

**PEP4135: Principles of Strength and
Conditioning 3**

Prerequisites: PET 3351C and PET 3312C. In depth study of the scientific principles and techniques related to the strength and conditioning of the athletic population. Designed to provide a background for certification as a strengthening and conditioning specialist.

PET3080: Physical Activity Epidemiology **3**

This course examines the current state of physical activity and public health with a particular focus on chronic diseases. This course will review the positive associations regular physical activity, exercise, and fitness purvey on overall health as well as examining the associations with various common, chronic conditions e.g. type 2 diabetes, heart disease. This course will be taught from an epidemiological perspective incorporating the use of the scientific literature with the objective of augmenting student knowledge in epidemiology and study design.

PET3312C: Biomechanics **3**

Prerequisites: BSC 2085C and BSC 2086C. Integration of mechanics, physics, and analysis of human motion. Emphasis will be placed on functional anatomy, musculoskeletal and neurological systems and pathomechanics of sports injuries.(A laboratory fee of \$15 assessed.)

PET3324C: Gross Anatomy for Health Care Professionals **3**

Prerequisites: BSC 2085C, BSC 2086C Study designed to expose students in health care professions to the macroscopic aspects of human morphology with emphasis on the musculoskeletal and neuromuscular systems. Human cadaveric specimens will be utilized along with other clinical and surgical information provided in part by qualified local medical professionals. A laboratory fee of \$50.00 will be assessed.

PET3325: Functional Anatomy/Kinesiology **3**

Prerequisites: BSC 2085C and BSC 2086C with "B" grade or better The course focuses on analyzing, evaluating, and understanding exercise and sport skills. Early emphasis is on filming with video cameras to help; 1) identify and analyze the

movement phases of various exercises and sport skills, and 2) generate illustrated scientific reports. Next, functional anatomy is learned in great detail to better understand the joint motions and muscles involved during exercise and sport. Last, the relevance of functional anatomy to injury prevention is addressed.

PET3672: Observation and Practicum in

Athletic Training I

3

Prerequisites: Declared major in Athletic Training, PET 3603C, PET 3620, and HSC 2400. A beginning clinical experience in an athletic training - sports medicine setting with follow-up seminars. Student will integrate and apply academic work in providing care to injured athletes under the direct supervision of an NATA-BOC certified athletic trainer. May be repeated for credit maximum number of 3 times for a maximum number of 9 credits.(A material fee of \$15 assessed.)

PET3673: Observation and Practicum in

Athletic Training II

3

Prerequisite: PET 3672. A beginning clinical experience in an athletic training - sports medicine setting with follow-up seminars. Student will integrate and apply academic work in providing care to injured athletes under the direct supervision of an NATA-BOC certified athletic trainer. This class is an elected continuation of Observation and Practicum I. May be repeated for credit.(A material fee of \$15 assessed.)

PET3768C: Practical Skills in Exercise

Instruction

3

This course is designed to provide students with practical instruction in choosing and demonstrating appropriate activities that address the 5 components of fitness; aerobic endurance, anaerobic endurance, muscular strength, body composition, and flexibility. Particular attention will be placed on proper form and technique of muscle strengthening exercises, cardiorespiratory exercises, and group exercise instruction.

PET3771C: Business and Practice in

Exercise Physiology

3

This course covers the business aspects of personal training, details appropriate client-trainer interaction, and prepares students to develop suitable and innovative exercise training programs for future clients.

**PET4550: Physical Fitness Assessment
and Exercise Prescription** **1**

Prerequisite: PET 3351C. This course will cover traditional and state of the art processes used to assess physical fitness, as well as techniques used to prescribe personalized exercise programs. Supervised lab experiences in assessment and prescription will be included. Course fees: \$30

**PET4627: Human Injury: Mechanisms and
Prevention** **3**

Prerequisite: PET 3325 This course is designed to give the student a comprehensive understanding of common orthopedic injuries. Topics will include; physiology of tissue damage and repair, mechanisms of common injuries, injury prevention, basic primary care of injuries (1st Aid), modalities utilized in the rehabilitation of injuries, and the integration of the post rehab patient into an exercise program.

**PET4905: Independent Study in Exercise
Science** **v. 1-3**

Prerequisite: Permission of supervising faculty and Exercise Science Program Director This course will be a specialized study or research project of a exercise science related topic under the direction of program faculty. This course may be repeated up to 6 credits.

PET4942: Internship in Exercise Science **6**

Prerequisite: Completion of all other major and core program requirements This is a concentrated Exercise Science internship under a qualified supervisor in a selected work setting. The internship is designed as a culminating experience which provides the student with an opportunity to practice under careful observation and in cooperation with a skilled practitioner.

PET4943: Pre Internship in Exercise

Science

3

Prerequisite: Completion of all major program requirements except PET 4942

Description: The purpose of this course is to prepare students for entry into the professional field of exercise science. Students will review and practice entry-level assessment skills, prepare a professional portfolio, secure an internship site, and complete an internship work plan. Students will be provided with information about the variety of agencies and sites where exercise science is practiced. They will explore the variety of professional paths that exist in exercise science in preparation for selecting an internship site.

Course Fees: \$125.46

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Undergraduate Courses

Nutrition & Dietetics

DIE3213: Nutrition Therapy I

4

Prerequisite: HUN 3403, HUN 3230, HUN 3231, HUN 2201 , BCH 3023, BCH3023L, BSC 2085C, BSC 2086C, CHM 2045, CHM2045L, FSS 1202, FSS 1202L.

Description: Students will be able to identify common illness conditions of populations at different stages in the life cycle, conduct nutrition assessments and screen for special dietary needs, and plan progressive diets and diets modified in consistency and residue.

DIE3246: Nutrition Therapy II

4

Prerequisite: DIE 3213.

Description: Students will assess nutrient needs of, and develop nutrient based care plans for, persons with various disease conditions.

DIE3310: Community Nutrition

3

Prerequisite: HUN 2201

Description: An introduction to state, federal, and local nutrition intervention programs and their impacts. Emphasis is placed on diagnostic tools used in community nutrition and programs as well as methods used to address community nutrition issues.

DIE4122: Management of Food and

Nutrition Services I

3

Prerequisite: HUN 2201 MCB 2010C, FSS 1202, FSS 1202L, HSA 3111, MAC 1105.

Description: Principles for effective management of food and nutrition services in various health care settings are provided. The component parts of the food service system, from purchasing through meal service, are explored along with methods for effective and efficient delivery of nutrition care.

**DIE4125: Management of Food and
Nutrition Services II**

3

Prerequisite: DIE 4122. A study of methods for successful management of resources for food and nutrition services in the health care setting. Principles for planning and coordinating human resources, finances, materials, space, and equipment are included.

**DIE4515: Nutrition and Dietetics
Professional Capstone**

2

This capstone course for senior nutrition students will focus on professional issues in nutrition and dietetics, including practice areas, advanced degrees, specialty certifications, employment opportunities, supervised practice opportunities, ethics, and leadership. Students will develop a professional resume and will sharpen their skills in negotiation, assertiveness, and interviewing.

**DIE4900: Dietetics Readings and
Conference**

v. 1-3

This course involves in-depth readings and group discussions and conferences on selected topics of critical issue in the dietetics field. Student readings will vary each semester and will involve a formal survey of the literature and presentation of a summary analysis of findings.

**DIE4906: Dietetics Independent Study and
Research**

v. 1-3

Prerequisite: Permission of Department Chairperson This course involves design and completion of a specific dietetics research project conducted under the guidance of a faculty member. It may be repeated up to 12 credits.

DIE4912: Projects in Nutrition and Dietetics

v. 1-3

This course involves the development and implementation or participation in conducting a designated project in dietetics. Students will work with a faculty person to determine the topic and project.

DIE4931: Special Topics in Nutrition and

Dietetics

3

This course is a detailed study of a topic in the dietetics field. Topics will vary each time the course is offered and will be based on the need to address a current dietetics issue or subject in detail. Students should refer to the "Schedule of Courses" or the department for further information. The course may be repeated for up to 12 credits with a change in course content.

DIE4940: Nutrition and Diet Field

Experience

v. 3-9

This course provides supervised field experience in nutrition and dietetics. Experiences are modeled after the Commission on Accreditation of Dietetic Education foundation skills and knowledge.

FOS4041: Food Science and Composition

3

Prerequisites: FSS 1202, FSS 1202L, CHM 2045C. Corequisite: FOS 4041L. Students will study the composition of foods and the chemical, physical, and qualitative changes that occur as a result of food storage, preservation, processing, and production methods. Students will evaluate the role of agencies, programs, and laws in the regulation of foods and consumer protection.

FOS4041L: Food Science and Composition

Laboratory

3

Prerequisite: FSS 1202, FSS 1202L, CHM 2045, CHM2045L

Co-requisite: FOS 4041

Description: Students will learn practical skills related to food composition and the chemical, physical, and qualitative changes that occur as a result of food storage, preservation, processing, and production methods. Students will develop recipes or products that incorporate food science, safety, regulation, and consumer demand principles.

Course Fees: \$38

FSS1202: Food Fundamentals

3

Corequisite: FSS 1202L. Students will acquire basic knowledge about food production and preparation. Included are basic principles of food science, food production, resource management, use and care of equipment, standards and evaluations of food products, recipe modification, safety, sanitation, purchasing, and agencies and laws related to food standards and grades.

FSS1202L: Food Fundamentals Laboratory 3

Co-requisite: FSS 1202.

Description: Students will acquire practical laboratory skills and knowledge concerning basic food science composition and preparation. Included are basic principles of food science, food production, resource management, use and care of equipment, evaluations of food products, recipe modification, safety and sanitation, purchasing, and legal food standards and grades.

Course Fees: \$38

FSS3800: Seminar in Food Systems and Sustainability 3

Description: This course provides students with introductory principles related to food systems and sustainability. Students will explore food systems through all stages of the food supply chain, examine policies related to agriculture and food systems, and explore current and proposed strategies related to food sustainability.

FSS4230: Quantity Food Preparation 3

Prerequisites: FSS 1202, FSS 1202L, MCB 2013C, CHM 2045C. Large scale food preparation principles for application in a variety of commercial, institutional, community based settings.

FSS4945: Professional Capstone in Community Nutrition & Food Management 3

Description: This course for senior community nutrition and

wellness students will focus on professional issues in a variety of community nutrition and wellness practice areas as well as food service management. Students will receive preparation for the Certified Dietary Manager (CDM) certification and complete a professional portfolio.

HSC3578: Food, Health and Society **3**

This course is an analysis of how social, psychological, cultural, historical, political, and ecological factors impact food, nutrition, and society. Students will gain an understanding of the U.S. food system and how the food system structure and function affects societal health. The course will also discuss information about how food globalization impacts health. Emphasis will be given to understanding how food-related social factors impact nutrition and dietetics practice.

HSC4572: Nutrition and Health **3**

Prerequisite: CHM 2045C. A study of the processing and function of nutrients. Examines digestion, absorption and metabolism of nutrients as well as their food sources. Also examines energy balance, overweight and underweight and prevention of nutritional problems.

HUN1001: Introduction to Nutrition Science **2**

Prerequisite: BSC 1005C. This course is an introduction to nutrition science using the scientific method and natural sciences principles from biology and chemistry to explore nutrient structures, usage/metabolism, functions, sources, standards, and roles in health and disease; and basic research methods.

HUN2201: Basic Principles of Human Nutrition **3**

Description: HUN 2201, Basic Principles of Nutrition, is an introductory course in food and nutrition science relative to the health and well-being of the individual and the community. The functions and chemical composition of the essential nutrients, and how they are processed and utilized in the body are discussed. Dietary habits, nutrient requirements, food choices, healthy eating

practices, menu planning, shopping for food and food preparation are studied. Myths and misinformation about nutrition are identified and evaluated based on the scientific evidence. This course meets the 3 credits non-lab course requirement toward the General Education Natural Science requirements and learning through reflective judgment.

HUN3014: Nutrition and Fitness

3

Prerequisite: HUN 2201

Description: This course provides students with an introduction to nutrition strategies related to fitness and physical activity.

HUN3230: Advanced Nutrition Science I

3

Prerequisites: HUN 2201 , CHM 2045, CHM 2045L, BSC2085C, BSC2086C, BCH3023, and BCH3023L Co-requisites: FSS 1202 AND FSS 1202L

Description: This course covers the advanced study of macronutrients (carbohydrates proteins and lipids) fiber and energy as well as their function in relation to human requirements. Advanced concepts of macronutrients and fiber digestion, absorption and metabolism, as well as energy metabolism, food sources, human requirements and biochemical markers of nutrient deficiency/excess will be discussed. The concepts of energy balance, regulation of food intake, overnutrition, disordered eating, chronic disease (diabetes, hypoglycemia, obesity and cardiovascular diseases), physical activity and its implications for human health will be covered.

HUN3231: Advanced Nutrition Science II

3

Prerequisite: HUN 3230 This course covers the advanced study of micronutrients (vitamins, pseudovitamins, minerals, trace and ultratrace elements) and their function in the body systems in relation to human requirements. Micronutrients digestion, absorption, metabolism, food sources, human requirements and biochemical markers of nutrient deficiency/excess will be discussed. Advanced concepts in acid-base and fluid-electrolyte balance, water and its role in blood pressure and volume regulation will be covered. The role of micronutrients in bone health, immunity, energy metabolism will be discussed. The role of phytochemicals and antioxidants in the prevention of chronic

diseases (cancer and cardiovascular diseases among others) will be covered.

HUN3403: Life Span Nutrition **3**

Prerequisite: HUN 2201

Description: Students will assess nutrient needs of individuals at different stages of the life cycle and plan menus that meet their nutritional needs.

HUN3534: Food as Medicine **3**

Prerequisite: FSS 1202, FSS 1202L and HUN 2201

Co-requisite: HUN 3534L

Description: This course explores the current role of food in disease prevention and treatment and examines the role of food in community nutrition assistance programs. Students will examine evidence-based food and nutrition recommendations as it relates to wellness and community interventions.

HUN3800: Nutrition Science Research and Ethics **3**

Prerequisites: STA 2014, HUN 2201

Description: This course is designed to develop basic skills related to finding, reading and applying research findings in the field of nutrition & dietetics. Students will conduct a literature search and develop a literature review. The course also provides an overview of the ethical considerations involved in human research and the concept of evidence-based dietetic practice.

HUN3900: Research Experience in Nutrition **v. 0-3**

Description: This course is an elective course that will meet the needs of nutrition students who want to be involved in research. Students will obtain hands-on experience by working on different aspects of the scientific method, including: formulating hypotheses, designing experiments, interacting with research participants, conducting laboratory experiments, interpreting results, preparing scientific presentations, reports or any other

research-related documents. This course is repeatable for up to 3 credits.

HUN4016C: Nutrition Counseling and Communication **3**

Prerequisites: HUN 2201 HUN 3230, HUN 3231

Description: Through lecture, lab and video recording activities, students will describe theories related to communication, motivation, and nutrition counseling and apply basic nutrition counseling methods to the conduct of nutrition interviews and counseling sessions.

HUN4414: Nutrition for Physical Activity and Health **3**

Prerequisite: HUN 2201 A detailed study of the relationship between athletic performance and nutrition. Topics covered include the energy systems and the fuel sources utilized; the role of protein, carbohydrates, and fat in the athlete's diet; appropriate vitamin and mineral intake; hydration and fluid replacements; ergogenic aids and nutritional quackery.

HUN4601C: Nutrition Education **3**

Prerequisite: HUN 2201 , HUN 3230, and HUN 3231

Description: Through lecture and lab activities, students will describe learning theories applicable to nutrition education, plan nutrition education sessions, develop nutrition education materials and work with instructional media in preparation for group and individual nutrition education. Students will modify nutrition education materials for varied population groups.

HUN4614: Nutrition Communication **3**

Prerequisite: HUN 2201 and HUN 3403

Description: This course describes theories related to communication, motivation, and behavior change related to nutrition. Students will utilize and develop a variety of communication strategies to disseminate nutrition information to a variety of populations.

Undergraduate Courses

Health Administration

GEY3004: Aging in America

3

Description: This course is designed to provide a comprehensive overview of the social, economic, cultural, and demographic issues impacting aging in contemporary America. An interdisciplinary focus will be utilized in examining these issues and major trends in gerontology.

GEY3250: Aging, Health and Technology

3

Description: This course is designed to encourage exploration of technologies which support community-based seniors and caregivers in maintaining health and independence.

GEY3503: Assisted Living Facility

Administration

3

Description: This course provides the core curriculum required by the state of Florida for all individuals managing assisted living facilities while exploring the historical and policy factors impacting development of supportive, healthy living environments for seniors.

GEY3660: Aging Policy and Politics

3

Description: This course will introduce the students to aging policy at the federal, state and local level. Topics covered will include major landmarks in the development of public policy for aging and the influence of seniors and senior organizations on the political process.

GEY4612: Aging and Mental Health

3

Description: This course is a review of the psychological, social and biological aspects of aging as they relate to mental health. It will explore an integrated approach between various biopsychosocial processes and etiological factors associated with psychological changes in the elderly. An emphasis will be placed on various strategies, therapies and services which may be directed at improving the mental health of the elderly.

GEY4628: Diversity in Aging

3

Description: This course addresses racial/ethnic, gender, socioeconomic, cultural and religious differences that define the elder population and impact delivery of health services. It will investigate recent research on the impact of diversity and inclusion with aging populations.

GEY4631: Aging, Employment, and Consumerism

3

Description: This course will explore topics related to the aging of the workforce and consumerism in a growing senior population.

HSA2530: The Language of Healthcare

3

Description: This course provides an introduction to professional communications, and vocabulary used in the Health Administration field. Emphasis is placed on the fundamentals of terminology and communication.

HSA3101: Introduction to Health Administration

3

Description: A study of behavioral, organizational and situational factors affecting the management role in health delivery settings and strategies for analyzing problems and implementing changes. Emphasis on management strategies and techniques as applicable to professionals working in the health setting.

HSA3160: Health Care Marketing **3**

Principles and methods of marketing health care services with emphasis on newly developing health care services. Considers roles of professions, governing bodies, organization administration and consumers.

HSA3191: Health Information Systems I **3**

Examination of health information systems with focus on system technology, hardware configurations and the nature and characteristics of information systems in health care settings. Various applications for information systems in the health care delivery system will be emphasized as well as their potential benefits.

HSA3222: Long Term Care Administration **3**

This course provides an introduction to the organization, financing, and management of the institutional and community based health care and social services that make up the long-term care delivery system.

HSA3340: Healthcare Human Resources **3**

This course introduces students to the management and development of personnel within numerous public and private healthcare settings. The course will introduce students to the key functions of human resources, the legal and regulatory aspects of human resources management and the current human resources challenges faced by healthcare organizations.

**HSA3383: Quality Management in
Healthcare** **3**

This course is designed to acquaint the student with quality management concepts, tools and techniques used in health services industry and the application of quality management theory to health care product and service outcomes.

**HSA3430: Health Economics and
Quantitative Analysis** **3**

Prerequisite: STA 2023 and ECO 2023

Description: This course will be designed to examine the U.S. health care decision-making and delivery system from an applied economics perspective. With advancement in health insurance models, greater emphasis is being placed on individual choice and responsibility as determinants of healthcare utilization. The purpose of the course is to show students how to apply the basic principles of economics to health care. In addition, this course will focus the utilization and application quantitative skills required to understand, conduct and evaluate performance of health care organizations.

HSA3514: Essentials of Practice

Management

3

Description: This course will examine issues and circumstances surrounding the management of medical and physician group practices within the United States healthcare system.

HSA3522: Managerial Epidemiology

3

Description: This course will provide a focused look at how epidemiology and the study of population health and the mechanisms by which health is measured, studied, and evaluated can be applied to health care and public health management.

HSA3750: Evaluation of Health Programs

3

Focuses on determining the relative worth of organized programs and services in the health care industry. Examines the various evaluative models including behavioral, systems, decision making, case study and accreditation. Study of needs assessment, formative and summative evaluation is also studied.

HSA4004: Professional Skills Development

3

Prerequisite: HSA 4170

Co-requisite: HSA 4922

Description: This course is taken in preparation for the health administration internship. Students will participate in structured

activities that prepare them to demonstrate skills needed to successfully secure an internship site and complete administrative assignments and projects within the health care workplace.

Course Fees: \$125.46

HSA4111: U.S. Health Care System **3**

An overview of the organization and delivery mechanisms in the U.S. health care system. Various settings for the delivery of health care and personnel and financial resources integral to the delivery of care are presented. Course also includes the historical development and future growth and direction of the system.

HSA4150: Introduction to Health Policy **3**

Prerequisite: HSA 3111 and HSA 4111

Description: This course is an introduction to health policy. It will focus on how U.S. health policy is developed and will provide students with a general understanding of the policymaking process and debates related to major U.S. health care legislation.

HSA4170: Health Care Finance **3**

Prerequisites: ACG 2021, ACG 2071, ECO 2023, HSA 3111 and HSA 4111

Description: This course focuses on the economic impact of fiscal policies in healthcare organizations. Methods of analyzing financial reports and the fiscal components of the budgetary process will be covered. In addition, the relationship of the economic environment and health care costs and their implications for health care organizations will be explored.

HSA4553: Health Law and Ethics **3**

The principles and rules of law and how they relate to health care organizations and the ethical issues of consumers and providers of health care. The course also focuses on ethics and its principles and application in service settings. Contemporary issues confronting those delivering and using health care will be examined.

HSA4850: Health Administration Internship **6**

Prerequisite: ACG 2021, ACG 2071, ECO 2023, STA 2023, CGS 1100, and HSA 4170

Co-requisite: HSA 4004

Description: The health administration internship provides the student with the opportunity to gain practical experience and integrate classroom knowledge and theory in an administrative setting within the health care industry.

HSA4905: Independent Study 3

Prerequisites: Permission of supervising faculty and Department Chair. Students will complete a specialized study or research project on a health administration topic under direction of program faculty. This course may be repeated once for an additional 3 credits.

HSA4922: Capstone: Health Administration 3

Prerequisite: HSA 4170, ACG 2021, ACG 2071, ECO 2023, STA 2023, and CGS 1100

Co-requisite: HSA 4004

Description: This capstone course is designed to enable students to integrate knowledge and skills derived from prior coursework as they address current management issues for health services organizations.

HSA4938: Seminar on Managed Care 3

A series of seminars presented by faculty and students on topics of interest in the managed care arena. The seminar will provide a forum for the discussion of topics of interest in managed care operations.

HSA4955: Study Abroad Health 3

This course provides students with the opportunity to study the organization, financing and delivery of health care in other countries. While abroad, students will visit hospitals and health organizations, and meet with local public health officials as they explore cultural and political issues impacting health care. This course may be repeated once for study of a different country for an additional 3 credits.

Undergraduate Courses

Public Health

HSC2000: Health Care Careers

3

This course is designed to assist students in planning and pursuit of their own career goals. Students will be provided with an introduction to the health care industry emphasizing the roles of the various health care professionals. The course investigates the wide variety of health care careers, focusing on the nature of the work, job descriptions, necessary abilities, legal and ethical responsibilities, and education preparation and credentialing. Students will learn how to gain reliable information regarding individual jobs in health care and understand impact of current trends in health care on employment opportunities. An opportunity to interface with health care professionals is provided.

HSC2100: Personal and Public Health

3

This course examines US health priorities with an emphasis on behavioral and social determinants of health. Material presented will raise levels of awareness and provide information needed to make informed health related choices, encourage attitude change, and develop decision making skills which facilitate healthier lifestyle behaviors.

HSC2930: Special Topics

v. 1-3

Study of a topic(s) in the health field. A topic(s) will vary each time the course is offered and will be based on the need to address a current health issue(s) or subject(s) in detail. May be repeated for a total of 6 credits with a change of course content.

HSC3032: Foundations of Public Health

3

Prerequisite: PSY 2012 and MAC 1105 and STA 2014 or STA 2023 and CHM 2045 and CHM 2045L or CHM1025 and CHM1025L and MCB 2010C and BSC 2085C and BSC 2086C

Description: The purpose of this course is to introduce the public health field and profession and to provide a foundation for subsequent major courses. Emphasis will be placed on the social

and behavioral core of public health. Students will learn foundations of the field centered around the Responsibilities and Competencies of Health Educators. Student development and professionalism is emphasized.

HSC3304: Public Health Education

Strategies

3

Prerequisites: HSC 3032, HSC 3713

Description: This course focuses on methods to effectively communicate health education messages and positively influence the behaviors of individuals and communities. Students will learn essential skills to communicate health messages to diverse audiences through presentations, teaching strategies, and print and social media.

HSC3500: Epidemiology

3

Prerequisite: STA 2014 or STA 2023

Description: A study of the distribution and determinants of health and disease in humans utilizing basic concepts in clinical medicine laboratory science, statistical and data handling methods. The causes of disease will be examined leading to the proposal of potentially effective strategies for prevention and control.

HSC3537: Medical Terminology

3

Study of medical terminology and how it relates to the systems of the body. Emphasis placed on the fundamentals of terminology and communication within health related fields.

HSC3555: Human Diseases: Pathophysiology, Prevention and Treatment

3

Prerequisites: BSC 2085C, BSC 2086C This course provides an overview of the etiology, pathophysiology, diagnosis, prevention and treatment of the major human diseases. Both infectious and non-infectious diseases of the human body systems will be presented.

HSC3713: Planning and Evaluating Health

Programs

3

Prerequisites: HSC 3032, HSC 4730 This course will examine the methods and instruments used to conduct needs assessments, develop complete program plans, and implement evaluations for community health programs. Emphasis will be placed on assessing individual and community needs, the development of logical and sequential program plans based on measurable and appropriate objectives, and procedures to evaluate the effectiveness of health programs. A field experience may be required.

HSC4102: Physical Activity and Public

Health

3

Description: This course will explore the intersection of physical activity and public health. More specifically, students will learn about: 1) the relationship between physical activity and diseases such as obesity, cardiovascular disease, and mental health; 2) common fitness assessments that can be used in various healthcare settings; and 3) strategies for effective physical activity promotion. Course fees: \$10

HSC4133: Sexuality Education

3

Prerequisite: Must meet senior level status. *Corequisites:* 9 semester hours of 3-4000 level HSC courses. This course provides an overview of physiological, psychological, and sociological aspects of human sexuality throughout the lifespan including gender, family life, relationships, reproduction sexual behavior, STDs/HIV, safer sex, and sexual coercion. Planning, implementing and evaluating school and community sexuality education programs are included in the course. Policy issues that affect sexuality education are also addressed.

HSC4134: Mental and Emotional Health

Education

3

Corequisites: 9 semester hours of 3-4000 level HSC courses. The purpose of this course is to examine educational planning and program implementation involved in facilitating the development

and maintenance of mental and emotional health. Communication skills effective for the helping professional are also addressed.

HSC4150: Substance Abuse and Violence

Prevention

3

Corequisites: 9 semester hours of 3-4000 level HSC courses. This course is a study of issues related to the prevention continuum, including primary, secondary, and tertiary prevention. Substance use, misuse, abuse, and dependency, as well as violence are addressed. The focus of the course is the application of substance abuse/dependence and violence prevention programs in a variety of settings. A field experience is required.

HSC4181: Alternative Healing

3

This course examines the philosophy of complementary medicine. An overview of various methodologies effective in complementary medicine will be examined with the goal of understanding how these methodologies can be used to improve one's health.

HSC4210: Environmental Health

3

Description: This course will provide an ecological examination of the relationship between environmental conditions, and human health and safety. Special emphasis will be given to principles, processes, priorities, and current research in the study of environmental problems and their impact on health and disease in human populations.

HSC4234: Health Education about Healthy

Eating Guidelines

3

Description: The purpose of this course is to introduce students to the Social and Behavioral Core of Public Health through examples in nutrition health education programming. Students will learn the Responsibilities and Competencies of Health Educators and apply those CHES Responsibilities and Competencies to nutrition education programs.

HSC4563: Dimensions of Health for the Older Adult

3

A study of the framework in which healthy aging is viewed from interactional, developmental, phenomenological and structural perspectives with emphasis on health promotion in later life.

HSC4602: Animal Assisted Interventions and Therapies in Healthcare

3

Description: Students will examine the historical and theoretical foundation for the inclusion of animals as a treatment alternative or adjunct to traditional practices in healthcare settings. Students will learn about training and practice standards, techniques, ethics and animal welfare issues that impact the practice of Animal Assisted Interventions (AAI) and Animal Assisted Therapy (AAT). Students will explore their relationships with animals and nature and examine AAI/AAT careers or disciplines that best suits them in the healthcare professions. Students will review the evidence-based practice of AAI relative to their chosen field and complete a final reflection paper demonstrating learning and integration of knowledge into their chosen profession.

HSC4624: Global Health

3

Description: Global health is an interdisciplinary field that relies on a broad knowledge base to create innovative solutions to challenging health problems in resource poor settings. This course will introduce students to the main concepts of global public health and the current challenges facing health equity within international communities

HSC4652: Healthcare Ethics and Cultural Diversity

3

This course will provide students a comprehensive overview of conventional healthcare ethics and a cross cultural perspective on selected issues. Issues to be discussed include death and dying, reproductive ethics, professional/client relationship, AIDS, biomedical research, genetics and healthcare resources. Methods of instruction include lecture, discussion, media presentations,

and internet resources.

HSC4663: Communicating Prevention

Concerns and Resources

3

Study of communication theory and practice and health specific prevention information. Emphasis will be placed on strategies for fostering communication between healthcare and prevention providers and consumers. A focus will be placed on the prevention professional as a liaison between consumer groups, individuals and providers.

HSC4670: Global Sexuality and Reproductive Health

3

Description: Students will be introduced to a variety of global sexuality and reproductive health topics. Examples include varying gender roles, family dynamics, pregnancy and prenatal care, STDs/HIV, and access to services. Cultural practices specific to sexuality such as child brides, FGM, and sex trafficking will be explored.

HSC4674: Global Health: Water, Sanitation and Hygiene

3

Description: This multidisciplinary course is an introduction to the role and relationship between water, sanitation and hygiene (WASH) and global health. WASH material will be global in coverage but focus primarily on low and middle-income countries and vulnerable populations.

HSC4730: Public Health Research

3

Prerequisites: STA 2014 or STA 2023

Description: The purpose of this course is to deepen students' understanding of the fundamental concepts and processes of public health research. Particular attention will be paid to raising learners' ability to develop research questions and write a literature review.

HSC4736: Introduction to Clinical Trials

3

Description: This course provides a basic introduction to clinical research and key components in conducting clinical trials. It includes an overview of human subjects protection, the clinical research process, components of good clinical practice, an introduction to roles of key personnel involved in clinical research and job outlook, ethics, and regulatory considerations.

HSC4800: Professional Preparation in

Public Health

3

Prerequisite: Completion of all program prerequisites PSY 2012, MAC 1105, STA 2014 OR STA 2023, CHM 2045C, MCB 2010C, BSC 2085C, BSC 2086C

Description: This interactive course prepares students for the professional field of public health and health behavior. Students will review the Certified Health Education Specialist (CHES) responsibilities, discuss professional development skills and ethical obligations specific to public health, and secure an internship for practice experience. This course should be completed the semester prior to HSC 4814.

HSC4814: Public Health Practical

Experience

v. 1-9

Prerequisite: Completion of all required program courses.

Description: The public health practical experience is a mentored field experience in a public health setting. The practical experience is meant to be a culminating experience allowing students the opportunity to practice under the guidance of an experienced public health professional. This course must be completed during the last academic semester of enrollment.

HSC4901: Skill Development in Health

Administration

3

This course is designed to develop and enhance the skills necessary for success as a health care executive through on site study and practice of management in health care settings. Students will concentrate either on long term care or general health care administration. Each student will be expected to

complete a major paper as partial satisfaction of course requirements.

HSC4906: Independent Study and Research

v. 1-3

Prerequisite: Permission of Department Chairperson.

Description: A specific health related research project conducted under the guidance of a faculty advisor.

Repeatability: This course may be repeated for up to 12 credits.

HSC4931: Special Topics

3

A detailed study of a topic in the health science field. Topics will vary each time the course is offered and will be based on the need to address a current health issue or subject in detail. Refer to "Schedule of Courses" or department for further information. May be repeated up to 12 credits with a change in course content.

SLS3316: Introduction to the Health Professions

3

This course will provide the student with an overview of the positions in the health care industry. The course will in addition focus on the development of personal skills required for success in job seeking and retention.

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Undergraduate Courses

Accounting & Finance

ACG2021: Principles of Financial Accounting

3

Prerequisite: Sophomore standing, 20 earned hours, and completion of MAC 1105 or equivalent with "C" or better.

Description: This course is a conceptual introduction to financial accounting. In this course, primary emphasis is placed on income measurement and the interpretation of conventional financial statements.

Availability: Offered every semester.

ACG2071: Principles of Managerial Accounting

3

Prerequisite: ACG 2021, 20 earned hours, and MAC 1105 or equivalents each with a grade of "C" or better.

Description: This course is the conceptual introduction to managerial accounting. The material covers accounting for cost reporting and control, reports, statements, and analytical tools used by management.

Availability: Offered every semester.

ACG3103: Intermediate Accounting Problems and Concepts I

3

Prerequisite: ACG 2021 with a "C" or better.

Co-requisite: CGS 1100.

Description: The course is a study of accounting principles and assumptions underlying the theories of matching costs and revenues to determine income and financial position. The course stresses asset acquisition, valuation, and allocation. The course encourages a critical evaluation of existing accounting theory and practice.

Availability: Offered every semester.

ACG3113: Intermediate Accounting

Problems and Concepts II

3

Prerequisite: ACG 3103 with "C" or better.

Description: This course is a continuation of ACG 3103.

Availability: Offered every semester.

ACG3123: Intermediate Accounting

Problems and Concepts III

3

Prerequisite: ACG 3113 with "C" or better.

Description: This course is a continuation of ACG 3113 with emphasis on special contemporary problems, FASB pronouncements, and fund accounting.

Availability: Offered every semester.

ACG3501: Fund Accounting

3

Prerequisite: ACG 3103 with "C" or better.

Description: This course includes specific accounting methods and techniques applicable to governmental and not-for-profit organizations.

Availability: Offered infrequently.

ACG4201: Advanced Accounting

3

Prerequisite: ACG 3123 with "C" or better.

Description: This course is an in-depth study of consolidated financial statements. Other topics include accounting for foreign operations and international accounting standards.

Availability: Offered infrequently.

ACG4251: International Accounting

3

Prerequisite: ACG 3113 with "C" or better

Description: This course is an in-depth study of the major issues and practices in international accounting. Topics include history, environmental influences, the international monetary system, accounting for changes in monetary values, contemporary issues, information disclosure, pricing, international information systems, international auditing standards and professional groups.

Availability: This course is usually offered every summer.

ACG4361: Cost Accounting **3**

Prerequisite: ACG 2071 and CGS 1100 with "C" or better.

Description: This course includes an analysis of cost data for goods and services for planning, controlling, and decision-making.

Availability: Offered every semester.

ACG4381: Controllership **3**

Prerequisite: ACG 4361 with "C" or better

Description: This course studies the duties and responsibilities of the chief accounting officer in a business organization. Topics will include the relationship of the controller to other officers of an organization and the selection and use of accounting data for control and decision-making.

Availability: This course is usually offered fall and spring.

ACG4401: Accounting Information Systems **3**

Prerequisite: ACG 3103 with "C" or better.

Description: This course includes analysis, design, and implementation of transaction processing cycles and the roles they play in the internal control of the organization.

Availability: Usually offered every semester.

ACG4651: Auditing **3**

Prerequisite: ACG 3113 and ACG 4401 with "C" or better.

Description: This course includes an examination of the external auditor's professional responsibilities and functions in today's international marketplace. This course addresses audit planning, internal control evaluation, substantive testing, and report generation in detail.

Availability: Usually offered every summer.

ACG4671: Internal Auditing **3**

Prerequisite: ACG 3113 and ACG 4401 with "C" or better.

Description: This course is an examination of corporate governance perspectives, managing risk, and internal controls. It examines the internal auditor's role in evaluating and improving the effectiveness of risk management, control, and governance

processes. Particular emphasis is placed on the professional standards of internal auditing, audit approaches, managing the internal audit, and planning, performing, and reporting audit work.
Availability: Offered infrequently.

ACG4682: Forensic Accounting **3**

Prerequisite: ACG 4401 with "C" or better

Description: This course is an examination of the tools and techniques utilized in the investigation of financial fraud. Particular emphasis is placed upon fraudulent financial reporting, litigation support, cybercrime, business valuation, and disaster recovery and reconstruction.

Availability: Usually offered every fall.

ACG4863: Accounting and Management Control in the Film Industry **3**

Prerequisite: ACG 3103

Description: This course is an exploration of accounting and management control systems for highly creative activities, using the film industry as a model. There is a particular emphasis on the preparation and analysis of film budgets.

Availability: Offered infrequently in the summer.

ACG4901: Directed Independent Study in Accounting **v. 1-3**

Prerequisite: ACG 3103 with "C" or better and a UNF GPA of 3.00 or above

Description: This course involves special studies undertaken independently by students under the supervision of an accounting department faculty member. Each student must have the faculty supervisor and Department Chairperson's approval of a special study prior to enrollment.

Repeatability: This course may be repeated with change of content up to a maximum of 6 credits.

ACG4931: Special Topics in Accounting **v. 1-3**

Prerequisite: ACG 2071 with a "C" or better and permission of the advisor or department chair

Description: This course is a study of special topics not offered in other departmental courses.

Repeatability: This course may be repeated with change of content up to a maximum of 9 credits.

ACG4941: Accounting Internship

v. 1-3

Prerequisite: ACG 3103 with "C" or better and a UNF GPA of 3.00 or above.

Description: Significant accounting work experience with a cooperating accounting business, governmental, or civic organization is required in this course. Credit depends upon length of internship. Prior approval of advisor and department chair is required. Grading is on a pass/fail basis. See www.unf.edu/coggin for detailed internship guidelines.

ACG4956: Study Abroad in Accounting

v. 1-9

Prerequisite: Permission of the instructor

Description: In this course students will study a country's business practices with a particular emphasis on accounting. During this course the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the difference between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

Repeatability: This course may be repeated up to 9 credits

FIN3124: Financial Planning

3

Co-requisite: FIN3403

Description: This course provides a comprehensive examination of the general principles of financial planning, professional conduct and regulation, and education planning. The course introduces students to the financial planning process and teaches them how to work with clients to set goals and assess risk tolerance. Students learn how to process and analyze information, construct personal financial statements, develop debt management plans, recommend financing strategies, and understand the basic components of a written comprehensive financial plan. The course also covers the regulatory environment,

time value of money, and economic concepts.

FIN3140: Personal Finance **3**

Description: This course is a survey of the problems and techniques of personal, financial planning. It includes: consumer credit, insurance, taxes, home ownership, personal investment, managing cash income, controlling expenditures and estate planning. This course may not be taken for credit by students majoring in financial services or finance.

FIN3303: Financial Markets and Institutions **3**

Prerequisite: ECO 2013, FIN 3403

Description: This course presents financial markets theory and applies it to the mechanisms of financial markets and institutions. Themes include the supply of and demand for loanable funds; interest rate theory and determination; money and capital markets; and monetary, fiscal and debt management policies by various types of financial institutions.

FIN3403: Financial Management **3**

Prerequisite: ACG 2071, STA 2023, ECO 2023 with "C" or better

Description: This course focuses on management techniques for and considerations in determining short-term, intermediate-term, and long-term financial needs. Sources of funds available to management and the relevant financial instruments will be examined.

FIN4126: Seminar in Financial Planning **3**

Prerequisite: FIN 4504 and REE 4043

Description: This course is designed to study current issues in financial planning through case analysis and discussions.

Availability: This course is usually offered in the spring only.

FIN4128: Financial Planning Process and Development **3**

Prerequisite: FIN 4504, TAX 3721 or TAX 3001, RMI 4135 and

RMI 3011

Co-requisite: FIN 4132

Description: This course examines professional issues in financial planning, including: ethical considerations; regulation and certification requirements; written and oral communication skills; and professional responsibility. Students are expected to use skills obtained in other financial planning courses and perhaps work experiences in the completion of a comprehensive personal financial planning case, other mini-case studies, and calculation templates.

FIN4132: Estate Planning

3

Prerequisite: TAX 3721

Description: This course focuses on the fundamentals of estate planning, including the social and family implications of federal/state taxation of transfers of wealth by gift or at death. Trusts, guardianships and post mortem planning are covered in this course. How planning is affected by business assets, employee benefits, and insurance will also be studied.

Availability: This course is offered only in the spring term.

FIN4414: Financial Management II

3

Prerequisite: FIN 3403 with "C" or better

Description: This course involves the examination of advanced topics in financial management of the profit-making firm. Topics covered include: determination of funds, cost of capital, and capital-structure planning. Case discussion is used in addition to readings and problems.

FIN4453: Financial Modeling

3

Prerequisite: Permission of the instructor is required.

Description: This course will teach the user intense Microsoft Excel-based financial modeling. While we start with some basic functions, the course involves very advanced finance from other finance courses. Therefore, an understanding of basic corporate finance, investment, and derivatives theories is assumed and not the focus of this course. Rather, the focus in this course is on teaching the user how to model a particular financial theorem in Microsoft Excel. For example, you will learn how to estimate betas and the security market line in Microsoft Excel, but an

understanding of the topic is assumed.

FIN4461: Financial Statement Analysis **3**

Prerequisite: FIN 3403

Description: This course is an in-depth analysis of financial statements, and of the basis which underlie their preparation. It presents a thorough understanding of the process of income determination and of asset and liability measurement, as well as the distortions to which these may be subject.

FIN4504: Investments **3**

Prerequisite: FIN 3403 with "C" or better.

Description: This course focuses on the principles and practices of investments. The factors influencing security values are covered in this course.

FIN4514: Securities Analysis and Portfolio Management **3**

Prerequisite: FIN 4504

Description: This course is an examination of the theoretical framework, analytical tools, and decision-making skills required for analysis and selection of investments. Portfolio selection, management, and performance evaluation are also considered.

FIN4533: Derivatives **3**

Prerequisite: FIN 4504

Description: This course introduces students to the theoretical and practical aspects of the markets for financial futures, options, and other derivatives.

Availability: This course is normally offered in the fall semester only.

FIN4540: Fixed Income Analysis **3**

Prerequisite: Instructor's approval and FIN 3403

Description: This course is designed to provide a strong foundation in fixed income theories and strategies. Upon successful completion of the course, students should have the

knowledge and skills necessary to succeed in a finance career requiring heavy use of Bloomberg. Emphasis is placed upon skills used by UNF alumni that have graduated and are currently employed in various industry positions. Some of the distinctive topics that will be covered include fixed income instrument valuations, binomial trees, MBS.

FIN4556: Behavioral Finance

3

Prerequisite: FIN 4504

Description: This course introduces students to the area of behavioral finance, which is a rapidly growing area that deals with the influence of psychology on the behavior of financial practitioners. Behavioral phenomena play an important role in portfolio theory, asset pricing, corporate finance, and the pricing of derivative financial instruments. This course covers behavioral biases, violations of the EMH and market prediction, individual and institutional investor behavior, and corporate finance.

Availability: This course is normally offered in the spring semester only.

FIN4560: Student Managed Investment

Fund I

3

Prerequisite: FIN 4504

Description: This is the first in a sequence of two courses whereby students manage a real portfolio of securities. The students selected for this course establish the security selection criteria, research the prospective investments, generate reports, make decisions to buy or sell, and execute the trades. Administrative responsibilities are assigned and analyst teams are formed. Students accepted into the course must continue to Student Managed Investment Fund II during the next term.

Availability: This course is offered only in the fall.

FIN4561: Student Managed Investment

Fund II

3

Prerequisite: FIN 4560

Description: This course is a continuation of Student Managed Investment Fund I. In this course students will continue to evaluate securities; however, more attention is directed at the

beginning to position the portfolio for the idle summer months by identifying core holding, and the preparation of the Annual Fund Report.

Availability: This course is offered only in the spring.

FIN4604: International Finance **3**

Prerequisite: FIN 3403

Description: This course is a comprehensive survey of international finance. It provides a basic understanding of the forces that affect the relative values of currencies, the financial problems associated with international capital markets, and international institutions. Case studies will be used to illustrate specific situations.

FIN4901: Directed Independent Study Finance **3**

Prerequisite: FIN 3403

Description: This course involves special studies undertaken independently by students under the supervision of a finance faculty member. Students must have the faculty supervisor and Department Chairperson's approval for a special study prior to enrollment. May be repeated with change of content up to a maximum of 6 credits.

FIN4931: Special Topics in Finance **v. 1-3**

Prerequisite: FIN 3403 and permission of the advisor and the department chair

Description: This course involves the study of special topics not offered in other departmental courses.

Repeatability: This course may be repeated with change of content up to a maximum of 6 credits.

FIN4940: Financial Planning Internship **3**

Prerequisite: FIN3403 and FIN 3124

Description: This course involves significant work experience in finance with a financial services organization. Grading is on a pass/fail basis.

FIN4941: Finance Internship**v. 1-3**

Prerequisite: FIN 3403 and prior approval of an advisor and internship coordinator is required

Description: This course involves significant work experience in finance with a cooperating business, governmental or civic organization. Credit received depends upon the length of the internship. Grading is on a pass/fail basis.

FIN4956: Study Abroad in Finance**v. 1-9**

Prerequisite: Permission of the instructor

Description: In this course students will study a country's business practices with a particular emphasis on finance. During this course the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. This course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

REE4043: Real Estate Analysis**3**

Description: This course is a prerequisite to all other courses in real estate and regional development. This course looks at the decision-making process for development, financing, marketing, and management of real estate within the framework of our government, economic, legal, and social systems.

REE4103: Real Estate Appraisal**3**

Prerequisite: REE 4043

Description: This course focuses on the valuation and appraisal framework applied to residential and income-producing property. The emphasis in the course is on valuation theory and process as a tool for business decisions.

REE4204: Real Estate Finance**3**

Prerequisite: REE 4043

Description: This course focuses on financial analysis and structuring of real estate projects, traditional and creative

concepts and mechanisms for construction and permanent financing, portfolio problems, governmental programs, money and mortgage market analysis, computers and financial models.

REE4303: Real Estate Finance and

Investments

3

Prerequisite: FIN 3403, REE 4043

Description: This course studies advanced concepts, principles and models of real estate finance and investment analysis. Emphasis in the course is on case analysis and policy information.

Availability: This course is usually offered only in the spring.

REE4900: Directed Individual Study

v. 1-3

Prerequisite: Permission of the instructor

Description: This course involves the investigation of selected problems and topics of current and permanent import in real estate and urban land economics.

Repeatability: This course may be repeated with change of content up to a maximum of 6 credits.

RMI3011: Risk Management and Insurance

3

Co-requisite: FIN 3124

Description: This course focuses on understanding the importance of risk in the business firm and the family unit; principles underlying the selection of the means of handling economic risk; and the analysis of insurance as one of the techniques of risk management.

Availability: This course is usually offered only in the spring.

RMI4135: Employee Benefit Plans

3

Prerequisite: MAN 3025 Co-requisite FIN 3124

Description: This course focuses on the study of the group and social insurance that provide death, disability, and retirement benefits. This course also covers the analysis of contractual arrangements, benefit formulas, financing, and underwriting.

TAX3001: Federal Income Tax

3

Prerequisite: ACG 2071 with "C" or better

Description: This course focuses on the federal income tax law as it applies primarily to individuals.

TAX3011: Income Tax for Corporations and Partnerships

3

Prerequisite: TAX 3001 with "C" or better and ACG 3103 with a "C" or better

Description: This course focuses on the federal income taxation of corporations and partnerships.

TAX3721: Tax Planning in Financial Decisions

3

Prerequisite: ACG 2021 with a "C" or better

Co-requisite: FIN 3124

Description: This course is designed for those business students interested in a general understanding of the tax law and its implications for the planning and decision-making processes necessary for both individuals and business entities. Accounting majors may not take this course for credit.

TAX4901: Directed Independent Study in Taxation

v. 1-3

Prerequisite: TAX 3001 with a "C" or better and permission of the instructor and department chairperson

Description: This course involves special studies undertaken independently by students under the supervision of an accounting department faculty member.

Repeatability: This course may be repeated with change of content up to a maximum of 6 credits.

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Undergraduate Courses

Management

BUL3130: The Legal Environment of Business

3

Prerequisite: 20 earned hours

Description: This course is an introduction to law as it relates to and impacts upon the operation of business. Consideration is given to the Uniform Commercial Code, antitrust, employment laws, business ethics, international law and the social and political environment in which a business operates.

BUL4350: Business Law II

3

Prerequisite: BUL 3130 with a "C" or better.

Description: This course covers advanced work in business law. It is intended primarily for students preparing for professional certification in areas such as accounting and real estate.

BUL4905: Directed Individual Studies in Business Law

v. 1-3

Prerequisite: BUL 3130 or equivalent and approval of department chair.

Description: This course allows students to investigate selected topics in business law.

Repeatability: This course may be repeated with a change in content up to a maximum of six credits.

GEB1011: Foundations of Business

3

Description: This course is a basic overview of the functional areas of business providing a general framework for understanding the development, structure, and social responsibility of business as it applies to the American and international economies. Emphasis is placed on the interaction of management, marketing, transportation, finance, accounting and insurance within the business environment.

GEB2112: Planning a New Business**3**

Description: This class provides both business and non-business majors with hands-on skills necessary to succeed as an entrepreneur. The curriculum provides a balance between individual work and team projects. Students will apply practical skills to develop a business plan for a new venture.

GEB2956: CD- Study Abroad in Business**v. 1-9**

Prerequisite: Permission of the instructor.

Co-requisite: Students must take a Foreign Language course and introduction to Global Business (MAN 2652) during the same term as the study abroad course.

Description: Students will study a country's general business practices. During this course, the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

**GEB3105: Small Business Money
Management****3**

Description: Small Business Money Management is designed to provide students with a comprehensive set of skills that will allow them to understand the financial situations faced by start-up businesses as well as their transition into mature firms and the various techniques of obtaining financing for new enterprises.

GEB3132: Family Business Management**3**

Description: This course examines the unique challenges and practices of family-owned businesses. Topics include planning for a firm's growth and continuity, dynamics of family interactions, conflict resolution in a family firm, preparing the next generation for entry into and management of family firms, and succession

strategies. Since family-owned or controlled business comprise close to 90% of businesses worldwide, students would benefit from understanding the dynamics of family business as they may work for a family-owned business, plan on entering a professional field where their clientele may include family businesses or plan to bring family into their own business.

GEB3154: Entrepreneurial Marketing

3

Description: This course focuses on the practical application of key marketing concepts and methods specifically relevant to entrepreneurial ventures. Students will study and discuss cases focusing on the marketing survival strategies of successful entrepreneurs and learn about the marketing challenges of entrepreneurial ventures from assigned readings, class discussions, and guest speakers. Each class session will cover components of the marketing plan for an entrepreneurial venture, making comparisons on how the strategies differ from traditional marketing in corporate America. A major project required in the course is the development of marketing inventions for actual entrepreneurial ventures. Students will also review books and publications covering current entrepreneurial strategies and present key issues to the class.

GEB3361: International Business

Internship

v. 1-20

Description: This course involves field practice at designated businesses or government agencies significantly involved in international business operations, research or marketing. Grading is on a pass/fail basis.

Repeatability: The course is repeatable for credit. This course can be taken from between 1-20 credit hours based on the requirements of the individual program. Instructor permission is required.

GEB4104: Small Business Consulting

3

Description: Student consulting teams work with local entrepreneurial clients that are facing business challenges.

Students will define the specific problem areas, gather and evaluate relevant data, and recommend and implement solutions pertaining to the challenges in specific small businesses. Under close supervision the teams will develop a comprehensive consulting report which will include their analysis and recommendations to the client.

GEB4113: Entrepreneurship

3

Prerequisite: MAN 3025

Description: In this course students will examine the concepts and issues of creating new ventures and challenges of managing their growth through assigned readings, case analyses of business ventures, and entrepreneurs as guest speakers. Student teams will research a business opportunity and develop and present a business plan for the new venture.

GEB4940: Coggin Semester Exchange Program

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Description: This course is required for all students participating in a Coggin fall or spring semester exchange program or Coggin internship abroad program. The goal is to ensure students complete requirements for studying and/or interning abroad with a Coggin program, i.e., necessary paperwork, meetings, orientations, etc. This course provides two orientation sessions: pre-departure and re-entry. During these sessions - and in accordance with international education best practices - students explore cultural adaptation as a group; gain the tools necessary to have a successful, transformational experience abroad; reflect on their experience in an intentional, guided workshop; and learn to translate what they have learned into the workforce via the professional development portion of re-entry.

GEB4941: Foundations of International Business

3

Description: This course provides a discussion of the process of international business to include: economics, cultural, financial, and legal factors that, together with governmental assistance, allow multinationals of various nations to conduct trade activities

across national boundaries.

GEB4942: Entrepreneurial Internship **3**

Prerequisite: GEB 4113, permission of instructor

Description: This course provides internships as an opportunity for entrepreneurship students to utilize the knowledge they have learned in the classroom and to gain real experience in an entrepreneurial business. Students will have the opportunity to observe business practices of successful entrepreneurs, to experience the challenges of operating a business, and to recognize the knowledge, skills, and abilities necessary to be a successful entrepreneur.

ISM4011: Introduction to Management Information Systems **3**

Prerequisite: MAN 3025 and CGS 1100

Description: This course will cover the fundamentals of management information systems with an emphasis on the relationships of MIS and data processing to decision-making in modern organizations.

ISM4113: Analysis and Design of Business Information Systems **3**

Prerequisite: ISM4011 Introduction to Management Information Systems

Description: This course will give an introduction on using technology solutions to improve processes, overcome business problems, and deliver stakeholder value by defining needs and recommending solutions. Different software applications related to the topics will be used to give students the opportunity for hands-on experience. Topics will also include problem solving and critical thinking with a focus on business, technical, and management skills.

ISM4210: Data and Information Management **3**

Prerequisite: ISM4011 Introduction to Management Information Systems

Description: Introduction to databases, data management designs and development issues. Topics include data strategy and data governance, relational databases/SQL, data integration, master data management, and big data technologies. This course provides hands-on experience in database design and implementation through assignments, lab exercises and course projects using applications such as Microsoft® Access and SQL Server database management systems (DBMS).

ISM4220: Business Data Communications 3

Prerequisite: ISM4011 Introduction to Management Information Systems

Description: This course is an introduction to business data communications. A survey of the techniques involved in planning, design, economics, implementation and management of distributed systems. The course includes an overview of modern data communication requirements including WANs, LANs, Internet concepts. It will give an overview of cloud computing, cloud systems, parallel processing in the cloud, distributed storage systems, virtualization, security, applications and administration in the cloud.

ISM4400: Enterprise Applications

Integration 3

Prerequisite: ISM4011 Introduction to Management Information Systems

Description: This course is an introduction to basic concepts in enterprise applications with an emphasis on how business applications are used to solve business problems. Enterprise applications are designed to integrate computer systems that run an organization's operations and facilitate cooperation and coordination across the enterprise. It will examine strategies and methods for integrating interdependent systems into a functioning whole, enabling two or more applications to interact and exchange data seamlessly. The course will explore enterprise information technology (both hardware and software) and techniques for systems integration as well as best practices for integration projects.

ISM4410: Business Intelligence 3

Description: This course is concerned with quantitative approaches to business analysis, including those involving big data and how organizations strategically use Business Intelligence (BI) to gain a sustainable, competitive advantage. Covers concepts for evidence-based decision making from a managerial perspective, and incorporates contemporary topics such as real-time BI, business analytics, and business performance management.

MAN3025: Principles of Management **3**

Prerequisite: 36 hours earned

Description: This course covers fundamentals of management which permeate organizations; including introductory studies of administrative structure, the organizational environment, and managerial functions and processes.

MAN3504: Operations Management **3**

Prerequisite: STA 2023

Description: This course provides an overview of methods and tools for planning and controlling the production and distribution of goods and services. Topics include: forecasting, production planning, inventory management, and other functions necessary to properly allocate, evaluate and manage resources in the supply chain processes. Managers in both manufacturing and service inter-organizational systems need to understand these topics in order to increase firm value by reducing costs and required assets while at the same time maintaining or increasing output, quality and customer service.

MAN4029: Service Operations Management **3**

Prerequisite: MAN 3504

Description: The services sector of our economy continues to grow, and by some estimates, it currently makes up about 70% to 80% of the nation's GDP and employs about the same percentage of workforce. This class is focused on important operations management issues faced in services in various industries. Major topics include 1] service design considerations for quality, customers and employees etc. and 2] issues related to delivery of service such as waiting line studies, managing service

expectations, yield management etc. We would consider various industries such as hospitality, restaurants, retail, healthcare etc. in public, private and the not-for-profit sectors of the economy. The various quantitative and qualitative frameworks would strive towards achieving high-quality, customer focused profitable services.

MAN4064: Organizational Ethics: A Global Perspective

3

Prerequisite: MAN 3025 or permission of the instructor

Description: This course provides a thorough grounding in the principles of ethics as applied to the business firm and other organizations, the economic system of the United States and international business. It presents a summary of the field of ethics as well as an in-depth consideration of the ethics of global economic activity.

MAN4082: E-Business Strategy

3

Prerequisite: MAN 3025, ISM 4011

Description: This course examines various e-business strategy models that use computer networks to improve organizational performance, including all aspects of an organization's electronic interactions with its stakeholders.

MAN4143: Effective Business Leadership

3

Prerequisite: MAN 3025 ; Student must have a 2.5 GPA or higher.

Description: This course seeks to challenge the student to develop personal leadership skills and to help students to become a better leader in the world of practical business and have a positive impact on society. Each class will consist of one or more of the following: Lecture, current topics discussion, role playing exercises, presentations and case analysis.

MAN4201: Organization Theory

3

Prerequisite: MAN 3025

Description: This course provides an understanding of the structure of different organizations and examines where they fit in dynamic environments. A few of the topics include: organizational

structure, strategy, environment, decision-making, technology, change and culture. This course gives students a theoretical foundation of organizational principles while providing a macro view of the relationship between an organization and its environment.

MAN4240: Organizational Behavior 3

Prerequisites: MAN 3025 This course examines people in organizations from both an individual and a group perspective. A few of the topics include motivation, leadership, personality, attitudes, values, stress, and politics. Students will gain a greater understanding of human behavior in organizations and how this unpredictable phenomenon impacts organizational practices.

MAN4294: Creativity and Innovation in the Workplace 3

Description: This class is designed to prepare the student in the use of creative thinking tools and a mindset equipped to explore possibilities and create options to establish a competitive advantage in an increasingly complex and uncertain environment.

MAN4301: Human Resource Management 3

Prerequisite: MAN 3025

Description: This course reviews various human resource subjects and programs. The topics include: equal employment opportunity, organization culture, job analysis, human resource planning, recruitment, selection, performance appraisal, training/development, compensation/incentives, discipline and grievance procedures. Both line managers and HR specialists need to grasp these subjects, so they can better analyze situations, select suitable situational programs, measure outcomes and revise when necessary.

MAN4312: Employee Relations Management 3

Prerequisite: MAN 3025 Prerequisite or

Co-requisite: MAN 4301

Description: This course provides an overview of employee relations issues and practices, such as equal employment opportunity, cultural and global diversity, training and development, disciplinary processes, labor relations, and occupational health and safety. Employee Relations emphasizes a thorough understanding of employment conditions and employment law to ensure fairness and productivity in the workplace.

MAN4329: Human Resources Analytics **3**

This course examines the application of data in an HR setting. This is an advanced undergraduate course that includes topics in data collection, statistical analysis, and application. Students will engage in the process of making business decisions using data. In addition, this course will provide students with a strong foundation in analytics to begin their careers and help them succeed.

MAN4334: Reward Systems Management **3**

Prerequisites: MAN 3025 Co-requisites: MAN 4301

Description: This course provides an overview of the rewards and recognition systems in organizations, both domestic and international, including topics such as compensation and benefits management, performance management, and formal and informal rewards and recognition programs. This course serves as an introductory course for the prospective Human Resource staff member or any manager with supervisory responsibilities.

MAN4335: Employee Benefits **3**

Prerequisite: MAN 3025

Description: This course is an in-depth study of both wage and non-wage related benefits made available to employees by the firm and various related social and governmental programs.

MAN4361: Organizational Staffing **3**

Prerequisites: MAN 3025 Co-requisites: MAN 4301

Description: This course provides an overview of the staffing function in organizations, including the topics of job analysis, forecasting, recruitment, selection, retention, and turnover. It

serves as an introductory course for the prospective Human Resource staff member and as a survey of responsibilities and activities for any manager with supervisory responsibilities.

MAN4390: Current Issues in Human Resource Management

3

Prerequisite or co-requisite: MAN 4301

Description: This course is a seminar that probes current topics in human resource management in depth. Emphasis is on the impact of recent legal and societal developments on human resource management practices in areas such as, but not limited to, diversity in the workplace, sexual harassment, gender issues, discrimination, work life balance, and outsourcing.

MAN4520: Trends in Process Management and Quality

3

Prerequisite: MAN 3504

Description: This course examines how organizations can develop excellence in, and excellence through, continuously improving process management and quality. The course examines and analyzes various process management techniques and quality improvement initiatives, and focuses on how both manufacturing and service firms can translate these activities into value and competitive advantage. This course is recommended for students from all functional areas of business, but particularly those interested in careers in management, operations management, quality management, supply chain management, and management consulting.

MAN4526: Six Sigma Applications

3

Prerequisite: MAN3504

Description: This course is designed to develop a comprehensive understanding of Six Sigma concepts, process improvement methodologies, and related statistical tools.

MAN4550: Introduction to Management Science

3

Prerequisite: STA 2023 or equivalent and MAC 2233

Description: This course consists of a study of selected mathematical and statistical models used to aid managerial decision making. It includes sections on decision theory, integer and linear programming, simple and multiple regression and correlation, analysis of variance, simulation and network models. A specific software package is used for problem solution.

MAN4583: Project Management **3**

Prerequisite: ISM 4011, MAN 3504

Description: This course is intended to demonstrate appropriate project management techniques that may be applied to all functional areas of a business such as marketing projects, human resource projects, logistics management projects, or information technology projects.

MAN4600: International Management **3**

Prerequisite: MAN 3025 or permission of the instructor

Description: This course is an intensive analysis of the process, practice, and theory of international business; financial accounting, marketing, and legal aspects of multinational business operations; governmental assistance to international business; cultural environment of international business to include factors such as language, religion, values and attitudes, law, education, politics, technology, and social organization.

MAN4701: Business and Society **3**

Prerequisite: MAN 3025

Description: This course examines the relationship between business firms and other elements of society such as the individual in the organization, the community, the ecology, the consumer, and the government.

MAN4702: Emergency and Disaster Management **3**

Description: In this course we will learn how operations management can help populations affected by disasters, both locally (disaster management) and internationally (humanitarian operations). Disaster management aims to prepare for and

respond to disasters. Florida is recognized nationwide for the expertise of its disaster management organizations and institutions. In the second part of the course we take an international approach. Governments and local communities in many developing countries do not have the resources needed to handle the consequences of disasters. They rely on the help from international humanitarian organizations who bring food, medicines and shelters to victims of disasters. This course will provide students with the basic skills and understanding needed to work in disaster management or international humanitarian operations.

MAN4720: Strategic Management and Business Policy

3

Prerequisite: MAR 3023 or equivalent, FIN 3403 or equivalent, and MAN 3025 or equivalent and at least a 2.0 GPA

Description: This course demonstrates an analysis of how functions such as sales, finance, procurement, distribution and personnel are correlated to form an integrated business policy and how corporate strategy is formulated, implemented and evaluated. This course is taken in a student's final term at UNF.

MAN4905: Directed Individual Study in Management

v. 1-3

Prerequisite: Permission of the instructor

Description: This course allows students to investigate special topics in management, particularly topics of local or regional interest.

Repeatability: This course may be repeated with change of content up to a maximum of 6 credits.

MAN4930: Special Topics in Management

v. 1-3

Prerequisite: Permission of instructor , minimum UNF GPA of 3.5

Description: This course is a study of special topics not offered in other courses in the department.

Repeatability: This course may be repeated with change of content up to a maximum of 9 credits.

MAN4940: Human Resource Management

Internship

v. 1-3

Prerequisite: MAN 3025, MAN 4301 and prior approval of the department chair, associate dean and internship coordinator

Description: This internship is designed to provide the student with significant experience in human resource management with a cooperating business or governmental organization. This course is offered on a pass/fail basis.

MAN4942: Management Internship

3

Prerequisite: MAN 3025 and MAN 3504

Description: This internship is designed to provide the student with significant experience in organizational management. The internship provides the student with an opportunity to apply their educational background to management issues confronted by cooperating firms.

MAN4956: Study Abroad in Management

v. 1-9

Prerequisite: Permission of the instructor

Description: In this course students will study a country's business practices, with a particular emphasis on management. During this course students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

Undergraduate Courses

Economics and Geography

ECO2013: Principles of Macroeconomics **3**

Introduction to the theory of income determination and national income accounting. Analysis of the use of monetary and fiscal policy to accomplish the goals of full employment, economic growth and price stability. Cannot be used to satisfy upper-level requirements for a degree in business administration and economics. Normally offered each term.

ECO2023: Principles of Microeconomics **3**

Introduction to the market system, market structures, and the theory of production, demand theory and general equilibrium. Cannot be used to satisfy upper-level requirements for a degree in business administration and economics. Normally offered each term.

ECO3101: Intermediate Microeconomics **3**

Prerequisite: ECO 2023

Description: This course provides an analysis of consumer and business activity in the marketplace price and output determination, allocation of income and product, and problems of market organization.

Availability: This course is normally offered each fall term.

ECO3203: Intermediate Macroeconomics **3**

Prerequisite: ECO 2013

Co-requisite: ECO 3411 or MAN 4550

Description: This course analyzes aggregate economic activity and growth, focusing on national economic goals and policies for their attainment.

Availability: This course is normally offered every term.

ECO3411: Business and Economic

Statistics**3**

Prerequisite: Introductory statistics. Statistical techniques developed through the use of business and economic problems. Time-series and index number analysis, simple and multiple regression and correlation, analysis of variance, and quality control. This course should be taken as early as possible in the student's upper-level curriculum. Normally offered each term.

ECO3421: Econometrics**3**

Prerequisite: ECO 3411, ECO 2013, and ECO 2023. This course provides an introduction to regression analysis with emphasis on the special problems associated with analyzing economic data. Topics include the theory of regression analysis, hypothesis testing, model-building, multicollinearity, heteroscedasticity, autocorrelation, and regression with dichotomous variables. The course emphasizes empirical applications of econometrics. Normally offered every fall.

ECO3422: Advanced Topics in Econometrics**3**

Prerequisite: ECO 3421 This course emphasizes econometric theory and advanced econometric applications. Topics will include econometric modeling, time series models, nonstationary data root, AR, MA and VAR models, simultaneous equations models, instrumental variables, 2SLS, models of discrete choice, truncation, censoring, duration models and panel data.

ECO3701: CD - Contemporary International Economic Issues**3**

This core course in the international studies major and minor programs covers basic topics in international economics at an intuitive level, with emphasis on policy. Students will study, in detail, the culture, politics and economy of a foreign country of their choice in order to appreciate the differences between U.S. and foreign cultures, politics and economies. This course is a designated UNF Cultural Diversity Course. Normally offered each spring term.

ECO3704: International Trade**3**

Prerequisite: ECO 2023. Introduction to international trade theory and practice. Analysis of trade patterns and national policies affecting trade. Normally offered every term.

ECO4223: Monetary Economics **3**

Prerequisite: ECO 3203 or permission of instructor. Monetary and banking institutions in the United States and their operations. Integration of monetary and fiscal policy tools. Normally offered each fall term.

ECO4400: Game Theory in Economics and Business **3**

Prerequisite: ECO 2023 and ECO 2013

Description: Introduction to game theory as applied in economics, business and the social sciences. Topics include simultaneous and sequential games, pure and mixed strategies, imperfect and incomplete information, best-response analysis, backwards induction, Nash equilibrium, Bayes' Theorem, repeated interaction and mechanism design.

ECO4504: Public Finance **3**

Prerequisites: ECO 2013, ECO 2023 or permission of instructor. Analysis of public sector's role in the allocation of resources, redistribution of income, and taxation within an international context. Normally offered each fall term.

ECO4713: The International Monetary System **3**

Prerequisite: ECO 3203. Analysis of the macroeconomic aspects of international trade and investment, foreign exchange markets, exchange rate determination, and the international implications of macroeconomic policies. Normally offered each spring term.

**ECO4903: Directed Independent Study
Honors in Economics Research** **3**

Description: Study of special topics under the guidance of faculty

members. May be repeated with change of content up to a total of six credits. This is the first course for students who wish to conduct independent research in economics with a faculty member. This course must be completed before the student writes an Honor Thesis.

ECO4905: Directed Independent Study v. 1-3

Prerequisite: Permission of department chair. Study of special topics under the guidance of faculty members. May be repeated with change of content up to a total of 6 credits.

ECO4933: Special Topics in Economics v. 1-3

Prerequisite: Permission of instructor. Study of special topics not offered in other departmental courses. May be repeated with change in content up to a maximum of 9 credits.

ECO4950: Economics Research Practicum 0

Prerequisite: Permission of Department Chair.

Description: This is an experiential course in which the student will work with department faculty to complete a community-based research project.

ECO4956: Study Abroad in Economics v. 1-9

Prerequisite: Permission of the instructor. Students will study a country's business practices, with a particular emphasis on economics. During this course, the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the US and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

**ECO4970: Directed Independent Study
Honors in Economics Thesis** 3

Prerequisite: ECO 4903

Description: A directed research and thesis writing experience in which the student works with a faculty mentor to produce a thesis. The thesis will be evaluated by both the mentoring faculty member

and two other faculty members. This is the second course for students who wish to conduct independent research in Economics with a faculty mentor. This course leads to completing Honors in Economics.

ECP3203: Labor Economics

3

Prerequisite: ECO 2013, ECO 2023 or permission of instructor. Introduction to modern labor economics. Functioning of labor markets, role of labor organizations, labor legislation, and current labor problems. Normally offered each spring term.

ECP3302: Environmental Economics

3

Prerequisites: ECO2023 OR permission of instructor.

Description: Application of economics to issues of environmental quality, management of natural resources and provision of public goods. Emphasis on cost/benefit analysis, institutional design and public policy solutions.

ECP3530: Health Economics and Policy

3

Prerequisite: ECO2023 Principles of Microeconomics

Co-requisite: ECO3411 Business/Economic Statistics

Description: This course explores issues related to health, health care, and health care systems from an economic perspective. Microeconomic models are employed to study demand for health and health care, health behaviors, health care providers (e.g., physicians and hospitals), the pharmaceutical industry, the market for health insurance, comparative health care systems, and trade in health services. Discussions of efficiency and equity will arise often throughout the course.

ECP3613: Urban Economics

3

Prerequisite: ECO 2023. This course uses economic analysis to explain why cities exist, where they develop, how they grow, and how different activities are arranged within cities. Additionally, the course explores the economics of problems facing urban areas such as poverty, crime, education, and congestion.

ECP4413: Government and Business

3

Prerequisite: ECO 2013, ECO 2023. Economic analysis of industrial organization and the effects of government regulation of business. Normally offered spring term of odd-numbered years.

ECS3013: Economic Development 3

Prerequisite: ECO 2013, ECO 2023 or permission of instructor. Introduction to theories and problems of economic development. Survey of development problems in both advanced and emerging economies. Selected case studies.

GEA3405: Geography of Latin America and the Caribbean 3

Description: This class provides a systematic and regional survey of the geography of Latin America. Topics include physical environments, cultural geographies of pre-colonial and colonial society, population growth and migration, agriculture, mining, manufacturing and service industries, the Latin American city, political geography, development issues and Latin America's place in the global economy. Regional analysis will address Mexico, Central America, the Caribbean islands, Andean America, Brazil, and the Southern Cone.

GEO2200: Physical Geography 3

The study of factors responsible for the development and distribution of landforms, climates, soils and water resources. Normally offered spring term of even-numbered years.

GEO2420: CD - Cultural Geography 3

This course analyzes the characteristics of human behavior in different cultures throughout the world. The course focuses on the ways diverse cultures organize themselves spatially to adapt to their geographic area. This Cultural Diversity course is offered every term.

GEO3372: Conservation of Natural Resources 3

Examination of the endowment, use and conservation of natural

resources in the modern world. Emphasis on problems and practices in the south. Course designed to satisfy resource certification for social studies teachers. Offered only during some summer terms.

GEO3502: Economic Geography **3**

Prerequisite: Principles of Economics or permission of instructor. Comparative analysis of major activities, emphasizing the distributional patterns, and the socioeconomic factors influencing the spatial orientation of economic activities. Normally offered each spring term.

GEO3553: Cultural Dimensions of Economic Geography **3**

This course explores the cultural aspects associated with economic geography. It concentrates on the socio-economic consequences of changing economic structures in the development process. Normally offered each fall term.

GEO4905: Directed Independent Study **v. 1-3**

Prerequisite: Permission of department chair. Study of special topics under the guidance of faculty members. May be repeated with change of content up to a total of six credits.

GEO4930: Special Topics in Geography **v. 1-3**

Prerequisite: Permission of instructor. Study of special topics not offered in other geography courses. May be repeated with change in content up to a maximum of six credits.

GEO4956: Study Abroad in Geography **v. 1-9**

Prerequisite: junior or senior standing Students will study a country's business practices, with a particular emphasis on economic geography and culture.

GIS3043: Introduction to Geographic Information Systems **3**

This course is designed to give students an introduction to the basic concepts, theory, and methods of Geographic Information Systems (GIS). Concepts and theory will be supplemented by hands-on experience with GIS software.

**GIS3250: Geographic Information Systems
for Biology 3**

This course introduces students to the theory and application of Geographic Information Systems (GIS) as used in biology and related disciplines. GIS technology enables acquiring, managing, analyzing and displaying information in a spatial context, and it has become a critical component of decision making and research endeavors.

**GIS4048: Intermediate Geographic
Information Systems 3**

Prerequisite: GIS 3043 or GIS 3250.

Description: This course expands on the concepts, techniques, and theories introduced in GIS 3043. Students will learn advanced techniques of spatial data creation and advanced methods of spatial analysis.

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Undergraduate Courses

Marketing & Logistics

MAR2905: Special Topics in Marketing v. 1-3

Prerequisite: Permission of the instructor

Description: This course focuses on special topics not offered in other courses in the department.

Repeatability: This course may be repeated up to 3 credits.

MAR3023: Principles of Marketing 3

Description: This course is an introduction to the process of planning market programs for goods and services. Techniques of analyzing the market and its environment are introduced as background for making decisions in product planning, promotion, distribution and pricing.

MAR3702: Principles of Digital Transformation in Business 3

Description: Today, every professional job has a digital component to it. Digitization impacts all industries and all business processes. This course inspires students to embrace today's profound transformation of business and organizational activities, processes, competencies and models to leverage the opportunities of a mix of digital technologies and their accelerating impact across society in a strategic and prioritized way, with present and future shifts in mind. It provides students with first-hand understanding of the elements driving digital transformation (like the Internet of Things, Drones, Artificial Intelligence, Big Data, Data Analytics, Social Media & Digital Marketing, Virtual and Augmented Reality, Telemedicine, Robotics)

MAR3930: Selected Topics in Honors in Marketing 3

Prerequisite: MAR 3023

Description: This course aims to build practical business skills by integrating and reiterating theory, skills, and knowledge in a context of starting a professional career. This course contributes to the requirements for graduating with the designation of Honors in Marketing.

MAR4104: Social and Ethical Issues in Marketing

3

Prerequisite: MAR 3023

Description: The focus of this course is upon social and economic issues confronting marketing decision-makers in a dynamic, pluralistic society. Marketing managers are responsible for accomplishing organizational financial objectives while simultaneously protecting and advancing societal interests. This dual responsibility presents an inherent conflict, or tension, for marketing decision-makers who are responsible for short-term economic performance and long-term social welfare. Through lecture, case analyses, and debates, students are exposed to a variety of marketing situations where potential conflicts, or tensions, arise between organizational and social objectives.

MAR4156: International Marketing

3

Prerequisite: MAR 3023

Description: This course is a study of the significance of international markets to multinational firms, with emphasis on the presentation of a conceptual framework for marketing within foreign countries.

MAR4206: Marketing Channels: Strategy, Structure, and Management

3

Prerequisite: MAR 3023

Description: This course investigates the nature and role of marketing channels and intermediaries. It focuses upon the design of distribution systems consonant with chosen positioning strategies in order to effectively and efficiently move offerings from origination to points of consumption. It addresses the major normative questions pertaining to channel design and functioning, including consideration of integration strategies, channel member motivation, coordination, and control, and legal constraints on channel functioning. It addresses the impact of alternative forms

on channel performance.

MAR4231: Retail Management **3**

Prerequisite: MAR 3023

Description: This course examines marketing and management concepts which relate directly to the retail organization and includes an analysis of pricing, buying, credit promotion, personnel and control.

MAR4323: Advertising Management **3**

Prerequisite: MAR 3023

Description: This course is concerned with planning and managing programs for advertising products and services. This course involves preparatory research; setting of objectives; planning of budget, media, and creative programs and evaluation of advertising effectiveness.

MAR4325: Social Media Marketing Strategy **3**

Prerequisite: MAR 3023

Description: Social media has become an emerging and essential marketing communication channel for firms. Due to its fast-growing, innovative, and ever-evolving nature, social media has not been well understood from a strategic marketing perspective. Therefore, this course will focus on understanding social media and will examine the strategic use of social media for developing and implementing effective marketing strategies.

MAR4333: Integrated Marketing Communications Management **3**

Prerequisite: MAR 3023

Description: Integrated marketing communications involves the development of marketing strategies and creative campaigns that weave together multiple forms of communication media (advertising, public relations, promotion, social media, etc.) to suit the particular messaging goals for a brand. The course exposes students to how both traditional and nontraditional tools of promotion are integrated to effectively communicate brand messages to both customers and stakeholders. It emphasizes the

principles of branding and communications theory, the role of different tools in the promotional mix, their benefits in contributing to an integrated communications plan, the formulation of an integrated marketing communications plan, and the identification of ethical, social, and legal implications of integrated brand messages to customers and stakeholders.

MAR4400: Professional Selling **3**

Prerequisite: MAR 3023

Description: This course focuses on the importance of communication, including nonverbal expression, as a means to successful negotiations. This course is skills oriented and emphasizes interactive, non-manipulative techniques. In addition to providing in-depth exposure to professional selling, this course assists students in making a professional career choice.

MAR4403: Sales Management **3**

Prerequisite: MAR 3023

Description: This course consists of the analysis and decisions involved in developing a business firm's sales plan, providing organizational and leadership support for it, and evaluating performance to increase sales force productivity.

MAR4503: Consumer Behavior **3**

Prerequisite: MAR 3023 Recommended prerequisite: SOP 3004

Description: This course provides an analysis of the behavioral factors affecting demand. Consideration is given to the purchasing behavior of the industrial buyer and the ultimate consumer.

MAR4613: Marketing Research and Information **3**

Prerequisite: MAR 3023

Description: This course is a study of research methods and information-gathering techniques which are applicable to problem solving in the field of marketing. Consideration is given to interpretation and use of information available.

MAR4615: Introduction to Marketing

Analytics

3

Prerequisite: MAR 3023 and STA 2023

Description: Analytics is defined as finding meaningful patterns in data. This overview course explores the very broad topic of analytics by focusing on the aspects most important to marketing managers in firms seeking to better discover data patterns and incorporate them into decisions. Students will learn the foundations of analytics, including preparing and managing modest-sized data sets, exploring and analyzing data with appropriate statistical tests, and communicating results to managers using effective language and visualizations. This course focuses on practical analysis and communication of results to managers to use in the decision-making process. Those successfully completing the course should feel comfortable approaching marketing data to discover meaningful patterns and communicate clear, understandable results that will facilitate decision making in all areas of marketing.

MAR4663: Marketing Models

3

Prerequisite: MAR 3023

Description: This course examines the development of formal structures and the application of optimization techniques in the analysis of marketing data. Topics covered may include: market segment analysis, sales forecasting, advertising impact projections, media mix determination, new product diffusion processes and brand loyalty models.

MAR4721: Digital Marketing Strategy

3

Prerequisite: MAR 3023

Description: This course encompasses a study of digital marketing strategies and practices and provides a detailed understanding of digital channels and platforms. The focus of this course is on gaining knowledge of how to develop an integrated digital marketing strategy, from formulation to implementation.

MAR4803: Strategic Marketing

3

Prerequisite: MAR 3023, MAR 4503, MAR 4613 and senior standing

Description: The focus of this course is on decision making for

marketing strategy formulation and implementation. The course employs an integrated, interdisciplinary approach using economic, behavioral, and quantitative concepts in analyzing and solving marketing problems. The course pedagogy includes case study and simulation gaming.

MAR4827: Relationship Marketing

Management

3

Prerequisite: MAR 3023

Description: Relationship marketing is a business strategy paradigm that focuses on the systematic development and maintenance of collaborative exchange relationships both internal and external to the firm. This course explores the emerging paradigm of relationship marketing, provides a structure and overview of its relevant dimensions, demonstrates its application in contemporary marketing management, and appraises and evaluates its future as a business strategy. The course will emphasize the concept, rationale, history, implications, scope, nature, practice, contributions and future of the relationship marketing paradigm.

MAR4841: Services Marketing

3

Prerequisite: MAR 3023

Description: This course provides an examination of marketing in services industries with particular emphasis on unique aspects of services marketing, the services marketing mix and the implementation of services strategies.

MAR4906: Special Topics in Marketing

v. 1-3

Prerequisite: Permission of the instructor

Description: This course is a study of special topics not offered in other courses in the department.

Repeatability: This course may be repeated with change of content up to a maximum of 9 credits.

MAR4913: Directed Individual Study

v. 1-3

Prerequisite: Permission of the instructor

Description: This course is a study of special topics in marketing,

particularly topics of local or regional interest under faculty guidance.

Repeatability: This course may be repeated with change of content up to a maximum of 6 credits.

**MAR4939: Executive Seminar in Marketing
and Supply Chain Management** **1**

Prerequisite: MAR 3023

Description: This course consists of a series of weekly lectures by recognized authorities that address various dimensions of marketing and supply chain management. Lectures are selected from both academic institutions and national and multinational businesses. Employment opportunities and career path planning are emphasized.

**MAR4941: Internship in Marketing and
Supply Chain Management** **v. 1-3**

Prerequisite: MAR 3023 and approval of an advisor and internship coordinator

Description: This course provides students with significant experience in marketing, supply chain management, transportation and/or logistics. The internship provides the student with the opportunity to apply their educational training to marketing and supply chain issues confronting cooperating firms. Grading is on a pass/fail basis.

MAR4955: Study Abroad in Marketing **3**

Description: This course allows students to study a country's business practices, with a particular emphasis on marketing. During this course, the student will understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

SCM4155: Supply Chain Management **3**

Prerequisite: TRA 4202 or TRA 4210 and TRA 3035

Description: This course examines how and why successful supply chain management requires cross-functional integration of key business processes within the firm and across the network of firms that comprise the supply chain. The distinction between logistics and supply chain management is identified and a framework for supply chain management is presented. Each of eight supply chain processes will be discussed, as well as topics such as: the management components of supply chain management; internet-driven supply chains; electronically linking the supply chain; integrating supply chain strategy to corporate strategy; supply chain mapping; supply chain metrics; developing and implementing partnership in the supply chain; and implementing supply chain management.

SCM4170: Supply Chain Management

Strategy, Leadership & Business

Applications

3

Description: The focus of this course is on understanding general business challenges and connecting the corporate response to leadership, supply chain, logistics and other business strategies appropriate for responding to contemporary business situations. Learning scenarios include current events analysis, team case study investigations and interaction with sponsor business advisers to solve cross functional business problems.

TRA3035: Foundations of Transportation

3

Description: This course examines the development and the significance of transportation, economic characteristics of transportation modes, and the impact of regulation and deregulation. This course includes case analysis and current transportation management theory and practice.

TRA4132: Purchasing Management

3

Description: This course examines the policies and procedures pertinent to the acquisition of goods and services by public and

private organizations. The course includes coverage of the purchasing, administrative, organizational, and continuing education functions of the NAPM's certified purchasing manager examination.

TRA4139: Seminar in Purchasing and Materials Management

3

Description: This course examines advanced concepts in purchasing and materials management with emphasis on recent research and current practices. This course is cross listed as MAN 4579.

TRA4202: Logistics Systems Management

3

Prerequisite: STA2023

Description: This course examines the design, operations and control of logistics systems for producing and servicing firms. Emphasis is placed on customer service in the management of all activities involved in moving products, services and information from point of origin to point of use and as a means of achieving a sustainable competitive edge.

TRA4210: Logistics Subsystems Analysis

3

Description: This course focuses on the components, functions and analysis of the logistics subsystem.

TRA4234: Warehouse Management

3

Description: This course covers warehousing functions, facility operations, and operational productivity improvements and measurements. With the inclusion of concepts from marketing, finance, statistics, operations management, and human resources, the course presents an integrated business approach to the detailed operational aspects of logistics facilities such as warehouse and distribution centers. The course will use real-world warehouse data to design the layout and operational requirements for a local warehousing facility.

TRA4721: International Logistics**3**

Description: This course covers a variety of aspects of International Logistics for establishing and sustaining global operations. Issues addressed include the strategic and operational roles of logistics in the international arena; the role of shipping, air and other forms of international freight transportation in international logistics and their impact on world trade; international distribution and marketing channels; the logistics mix in an international context; and the management of import/export shipments including documentation requirements.

TRA4910: Directed Individual Study**v. 1-3**

Prerequisite: Permission of the department chair and a faculty supervisor

Description: This course is a study of special topics under faculty guidance.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

TRA4935: Special Topics in Logistics**v. 1-3**

Description: This course is a study of special topics not offered in other logistics courses.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

TRA4945: Logistics Internship**3**

Prerequisite: MAN3504, MAR 3023, and TRA 3035 or TRA 4202, each with a "C" or better, GPA of 2.75 or better, and prior approval of the Logistics Program Director

Description: This internship is designed to provide the student with significant experience in transportation and logistics management. The internship provides the student with an opportunity to apply their educational background to logistical issues in firms.

Undergraduate Courses

Art, Art History, and Design

ARH2000: Art Appreciation

3

This course includes the study of visual elements, design principles, various techniques and media. Examples of Western painting, sculpture and architecture from prehistoric to present times will be examined. Local museum excursions are required.

ARH2050: Art History Survey I

3

This course is a survey of painting, sculpture and architecture from the Paleolithic era through the Medieval period. Monuments will be studied in relation to the cultural contexts of Western civilization.

ARH2051: Art History Survey II

3

This course is a survey of European painting, sculpture and architecture from the Renaissance, Baroque, Rococo, and Neoclassical periods to the emergence of modern art including Romanticism, Realism, Impressionism, Expressionism and Cubism.

ARH3130: Ancient Greek Art and Architecture

3

Description: This course considers the art and architecture of Ancient Greece from the Bronze Age through the Hellenistic period.

ARH3150: The Art and Architecture of Ancient Rome

3

This course will consider the art, archeology and architecture of ancient Rome, from its antecedents in the Italic and Etruscan traditions, through the Republic and the late empire. Major works, monuments and sites will be examined in the context of the

culture, history, geography and religion.

ARH3202: Medieval Art and Architecture **3**

Description: This course introduces the principal forms, concepts, and movements of European medieval art, covering major works of architecture, sculpture, manuscript painting, and the precious arts from late antique, Byzantine, Insular, Carolingian, Romanesque, and Gothic art. In its abstraction, social functions, religious content, and symbolic character, medieval art differs in fundamental ways from the art of the antiquity and the Renaissance. This introduction emphasizes methods of analysis and problems of interpretation key to understanding artistic developments during the thousand year period of the Middle Ages.

ARH3250: Romanesque Art and Architecture **3**

This course explores the art and architecture of the Romanesque period, the 11th and 12th centuries, especially the sudden, widespread "Renaissance" of monumental sculpture. The course seeks to situate Romanesque art in relation to important cultural and religious phenomena that shaped its uses and meanings, including pilgrimage and the cult of relics, monasticism, and crusade. We will also consider the origin of the idea of a Romanesque in medieval art and interpretive approaches to Romanesque art.

ARH3302: Italian Renaissance Art **3**

Earlier Renaissance; Proto-Renaissance aspects of late Gothic art; the international style; early renaissance; high renaissance; Venetian art; mannerism. Examples of painting, sculpture and architecture will be studied.

ARH3319: The Art and Architecture of Michelangelo **3**

Using contemporary as well as modern accounts of the artist, this course will study the painting, drawing, sculpture, and architecture of Michelangelo in the context of Italian Renaissance culture.

ARH3331: Northern Renaissance Art **3**

This course surveys the art of Europe north of the Alps during the 15th and 16th centuries. We will consider the development of new artistic techniques and technologies in painting and print through the work of such major artists as Jan van Eyck, Albrecht Durer, and Hieronymous Bosch. The course will also investigate concepts of morality, religion, death, and Apocalypse that are reflected in the art of the period.

ARH3350: Baroque Art **3**

The origins of baroque art in Italy, Bernini and St. Peter's, Velazquez, Rubens and Flemish art. Rembrandt and the Dutch masters. Classical 17th century French art. The England of Sir Christopher Wren. Rococo art.

ARH3354: Rubens to Rembrandt: Netherlandish Baroque Art **3**

With the towering figures of Peter Paul Rubens and Rembrandt van Rijn as bookends, this course examines art of the Netherlandish Baroque within its cultural and social contexts, with close attention to themes of religion, social morality, and humor. We will consider the significance of major artists, including Rubens, Rembrandt, Vermeer, Frans Hals, and others, in addition to important contributions by Northern Baroque artists to the development of portraiture, landscape, still life, and genre painting.

ARH3404: British Art: Hogarth to Hirst **3**

This course will provide an introduction to the art and architecture of Britain from the eighteenth century to the present day. The focus will be on developing an understanding of paintings, sculpture, and architecture in their historical contexts. We will examine portraiture, landscape painting, history painting, paintings of modern life, photography and contemporary art, with additional material on architecture and decorative arts. Themes to be developed throughout the course will include: the distinctive character of British art, patronage and collecting by individuals and museums, art as propaganda, the development of portraiture

as an expression of identity, the importance of landscape painting, decoration and articulation of taste, and the contemporary art scene in Britain.

ARH3410: Modern European Art I **3**

This course will study European art and architecture between 1780-1870, from Neo-Classicism through Impressionism.

ARH3434: Modern European Art II **3**

This course will study European Art and Architecture between 1880 and 1940, from post impressionism through surrealism.

ARH3453: Post War Art: 1940-1980 **3**

This course focuses on the production of art within the late modern and early post-modern periods. Special attention will be paid to the ways in which race, gender, sexuality, and cultural difference are constructed within visual arts of the post-war era. Investigating the role of art critics, galleries and art periodicals, the class will also examine the different institutions through which art has been promoted and filtered in the decades following World War II.

ARH3475: Contemporary Art: 1980 to Present **3**

This course will explore the meaning(s) as well as stylistic, historical, and theoretical developments of painting, sculpture, mixed media works, conceptual and performance art, installation, and non-traditional photography, and video/film extending from 1980 to the present.

ARH3571: Islamic Architecture **3**

Description: This course considers the architecture of the Islamic world. Emphasis is placed upon the study of key building plans, architectural elements, architectural decorative programs, and architectural decorative materials.

ARH3574: Early Islamic Art**3**

Description: This course considers the art and architecture of the early Islamic period. Emphasis is placed upon the study of key works and concepts.

ARH3583: Tribal Arts**3**

This course provides a selective introduction to major developments and issues in African, Oceanic and North American Indian art of the pre-colonial, colonial, and post-colonial periods. Works will be examined in relation to a culture's religion, rituals, ceremonies, political structure, gender roles, and ethnic identity.

ARH3621: American Art I: 1492 to 1876**3**

American Art I surveys the visual arts of the United States from 1492 to 1876. Throughout the course we will look at the ways in which American artists sought to develop an American fine arts tradition. This course also examines how art was used to shape a strong national identity and to negotiate the tensions of race, politics, gender, class, and ethnicity.

ARH3623: American Art II: 1876 to 1940**3**

Description: American Art II surveys the arts of the United States from 1876 to 1940. Examining the production of modern art in the US, we will consider how artists responded to industrialization; developments in transportation and communication; urbanization; labor; gender; race issues; economic polarization; and political conflicts.

ARH3631: African American Art History**3**

Spanning Colonial times to the present, this course examines art produced by individuals of African descent in the United States. Through lectures, discussions, readings and writing assignments, students will develop a broad knowledge of African American art within its social-historical context. Topics will include but are not limited to: African American folk art and slavery, African American art after Emancipation, African American art and the Harlem Renaissance, African American art and the Civil Rights

movement, African American women artists, and collecting African American art.

ARH3811: Junior Methods Seminar 3

Prerequisite: ARH 2050, ARH 2051, and two ARH 3000-4000 courses, Junior status

Description: This course serves to introduce students to advanced methods in original research and to key texts that formulate the intellectual foundation of the discipline of art history. In consultation with faculty, students in the Junior Methods Seminar will develop a topic, bibliography, and research plan preparatory to completion of the senior thesis. Successful completion of the Junior Methods Seminar is prerequisite for admission to the Senior Research Seminar.

ARH3843: Studies in Irish Art and Architecture 3

This course is designed as a survey of Irish art and architecture ranging from the study of prehistoric monuments to works by contemporary artists. Works will be studied in the context of Ireland's violent and oppressed history, and against the topography of its magnificent island geography. Among the examples of art and architecture the class will consider are: prehistoric and megalithic architecture); Celtic art and jewelry; early monastic sites and scriptural crosses, the great illuminated manuscripts; the emergence of decoration and ornamentation in Romanesque churches; the development of the great abbeys; modern Irish painting and sculpture from the 18th century to the present.

ARH3883: The Apocalypse in Medieval and Early Modern Art 3

The idea of the Apocalypse, the end of the world described in Revelations by St. John the Divine, profoundly influenced the subject matter of Christian art during the Middle Ages and early modern period and continues to be an important reference point in western art and culture. This course surveys the range and development of apocalyptic imagery from the Whore of Babylon to the Mark of the Beast in medieval, Renaissance, and contemporary art, with special attention paid to themes of

millenarianism, the year 1000, and the Protestant Reformation.

ARH3930: Special Topics in Art History v. 1-3

Special Topics in Art History. Special Topics courses are designed to augment the curriculum by offering classes which are not in the catalog. May be repeated for 12 credits under different topics.

ARH3940: Art History Practicum 1

Prerequisite: ARH 2050 and ARH 2051

Description: In consultation with faculty, the student enrolled in Art History Practicum will compose a personal statement outlining his/her interests in the field, personal and professional goals for study in the major, and career aspirations. The student will produce a writing sample consisting of an analytic essay about a single work of art that relates to his/her interests in the field. The student will meet with a faculty panel to discuss and receive constructive feedback relating to the personal statement, the writing sample, the student's course of study and educational and professional goals. Successful completion of the Practicum is prerequisite for admission to required upper level courses in the ARH major.

ARH3955: Art History on Site v. 1-3

Students in this course will experience the history of art in situ. The course is designed to accommodate study abroad experiences and intensive explorations of domestic sites such as New York and Washington D.C, Major monuments, archeological sites, museums and works of art will be considered and analyzed in the context in which they were created or are currently housed. Cultural contexts of works of art will be explored; students will consider the myriad influences that are reflected in works of art including patronage, history, economics, religion, geography and techniques in painting, sculpture and architecture. May be repeated once.

ARH4710: History of Photography 3

A selected overview of the history of photography from its invention in the 19th century to the present day. Photographic

practice will be examined from a number of vantage points including: technique and utilitarian function, sociopolitical context and aesthetics. The following areas will be investigated: prehistory and invention of photography; portraiture, landscape, and expeditionary photography; social documentary photography; photography as artistic experiment; photography and postmodern practice; and photography in the digital age.

ARH4800: Aesthetics of Art

3

A search for beauty and expression in the arts. Through lectures, discussions, movies, and slides, this search will take into account the thoughts of Santayana, Dewey, Langer, Tolstoy and well-known contemporary philosophers, artists, writers, architects and film makers.

ARH4905: Directed Individual Study

v. 1-6

Prerequisites: ARH 2050 Art History Survey I, ARH 2051 Art History Survey II, 3 upper level ARH courses This course provides context for intensive, direct collaboration between instructor and the enrolled student(s) on original research topics. The topics addressed and the scope of the collaboration is determined by the instructor in consultation with the enrolled student(s). The course is an opportunity for advanced study in Art History through one-on-one student/faculty contact designed to develop high-level critical, analytical, and research and writing skills. May be repeated up to 6 credit hours.

ARH4910: Senior Research Seminar

3

Prerequisite: ARH 2050, ARH 2051, ARH 3811, and at least two 3000-4000 level ARH courses.

Description: Senior Research Seminar is a capstone class that offers a thesis and a non-thesis track. Art History majors on the non-thesis track will develop professional experience through an approved internship in a gallery, museum, or cultural organization. Art History majors on the thesis track will be required to successfully complete an approved original research project. The thesis track is designed for Art History students who have been accepted into the Honors in the Major program.

ARH4941: Internship in Art History

v. 1-6

Prerequisites: Art History major or minor ARH 2050, ARH 2051 and three upper level art history courses, permission of department chair The internship provides supervised professional work experience in a gallery, museum, archeological or cultural organization. May be repeated for up to 6 credits.

ART1201C: Two-Dimensional Design **3**

Description: This course is an introduction to the elements and principles of design through the utilization of various media on the flat surface. Emphasis will be placed on developing an understanding of the various organizational possibilities available in designing for the flat surface. Along with learning and applying professional presentation skills and craftsmanship, the development of ideas, problem-solving skills and understanding design concepts are the focus of this course.

Course Fees: \$25

ART1205C: Color Theory **3**

Description: In this studio class students will develop visual and working skills needed to understand the physical properties and relationships of color. Students will expand their color sensibilities and develop a working understanding of color psychology, symbolism, and expressive color. Research, critique and class discussions will expand the use of color appropriate vocabulary and aid in the student's development of critical thinking skills. Historic and contemporary references and studying the work of important theorists, artists and designers will broaden their understanding of color as a visual language.

Course Fees: \$40

ART1300C: Drawing I **3**

This course is an introduction to basic observational drawing skills, including but not limited to: perspective, contour, and gesture. The use of positive/negative space, value line and mass will be emphasized in relationship to the design and organization of composition. The techniques of creating volume and space and the effects of light of the three dimensional form on the two-dimensional picture plane will be addressed. Through regular

critiques, students will begin to make critical decisions about their work. (A material fee of \$10 will be assessed.)

ART1600C: Digital Imaging Methods **3**

Description: This course introduces the production of digital imagery and explores its creative potential in various media. It contextualizes digital image-making in terms of practical applications and modern production processes. Students explore a range of techniques for creating and manipulating images using industry-standard design tools. The course explains technical proficiencies required in visual communication professions

ART2203C: Three-Dimensional Design **3**

This course is an introductory studio experience in the visual arts, focusing on the structural and spatial exploration of three-dimensional form through a variety of media with an emphasis on design and construction. Students will develop presentation skills and craftsmanship, while formulating problem-solving skills and concept generation. (A material fee of \$50 will be assessed.)

ART2301C: Drawing II **3**

Prerequisite: ART 1300C This studio course is a continuation, reinforcement, and an expansion of basic direct observation drawing skills and techniques learned in Drawing I. Direct observation for this course is defined as drawing from still life, landscape and architecture. Students use traditional subject matter to explore a range of drawing materials and techniques including mark-making techniques and gesture with an introduction of color. Compositional sensibilities and good understanding of both positive and negative space will be emphasized. Classic and contemporary references will broaden understanding of drawing as a visual language. (A material fee of \$10 will be assessed.)

ART2330C: Figure Drawing I **3**

Prerequisite: ART 2301C, and consent of instructor This course gives students' a thorough understanding of the structure and anatomy of the human figure through direct observation and

measurement of the nude model. Students render the human figure using proportion, weight, form and mass. Skills developed in previous drawing classes will be further refined in relation to the human figure. Historic and contemporary references will broaden the students' understanding of the figure as part of the visual language. Through regular critiques, students will begin to make critical decisions about their work.

ART2400C: Introduction to Printmaking **3**

Prerequisites: ART 1300C Drawing I & ART 2301C Drawing II
This course is designed as an introduction to traditional methods of printmaking. Students will design and construct basic relief, intaglio, and planographic techniques. The unique quality of the graphic aesthetic will be emphasized along with the ability to produce original multiples through hands on methods in print. (A material fee of \$70 will be assessed.)

ART2500C: Painting I **3**

Prerequisite: ART 1201C, ART 1205C, and ART 2301C

Description: This course is an introduction to the techniques, concepts and history of painting through direct observational study. In this course there will be an emphasis on the use of color to render space, light, and form. Students will look for and discover individual expression and points of view in their paintings. Historic and contemporary references will broaden the student's understanding of painting as a visual language. Through regular critiques, students will begin to make critical decisions about their work.

Course Fees: \$25

ART2605C: Basic Computer Images **3**

This course covers the basics of the Macintosh operating system and industry standard design applications. Topics include the creation of vector and raster images, page layout, and PDFs. No prior computer experience is needed. (A material fee of \$45 will be assessed.)

ART3317C: Drawing Studio **3**

Prerequisite: ART 1201C and ART 2301C

Description: In this class students will develop their drawings through directed and self-motivated activities. Assignments will be designed to allow personal artistic development while further developing an understanding of drawing media. Regular group and individual critiques will be held to mark the progress of the students work. There will be several directed projects, discussions and demonstrations intended to expand the student's knowledge of artistic processes.

ART3332C: Figure Drawing II

3

Prerequisite: ART 2330C This studio course is designed to further develop the visual, verbal and technical skills necessary to represent the figure through direct observation of the nude model. Students work in a variety of media. The course focuses on using the figure as an element in composition and reinforces the skills used in Figure Drawing I. Students are expected to develop the ability to draw the figure perceptually, expressively and with an awareness of some of the conceptual issues associated with the figure. Historic and contemporary references will broaden the students understanding of the figure as part of the visual language. With regular critiques, students will begin to make critical decisions about their work.

ART3354C: Digital Sketchbook

3

Description: This course is designed to introduce students to the use of digital portable tablets (such as an iPad) to create digital drawings and sketchbooks. Students will focus on a variety of subjects: traditional still-lives and photo-reference, as well as sketching outdoors. This course emphasizes observation, organization, experimentation, and conceptualization. Students must supply their own portable tablet, such as an iPad, Surface, etc. for projects. Various styluses will be discussed in class. Students may experience studio visits, guest speakers, and/or sketching workshops. . The class is open to all Art and Design Majors.

Repeatability: This course can be repeated for up to 6 credits
Course fee: A course fee will be charged.

ART3420C: Lithography Printmaking I

3

Prerequisite: ART 2400C This course is designed as an introduction to planographic print methods. Students will learn to construct and edition traditional and alternative lithographic techniques including aluminum plate lithography. Research, experimentation and a final print exchange will be encouraged. (A material fee of \$70 will be assessed.)

ART3433C: Screenprint I

3

Prerequisite: ART 2400C or PGY 1800C This course is designed as an introduction to serigraphy (screenprint). Students will design and construct basic screen print methods including cut stencil, hand drawing and photosensitive processes. The unique quality of the graphic aesthetic will be emphasized along with the ability to produce original multiples through hands on methods in screenprint. (A material fee of \$70 will be assessed.)

ART3442C: Intaglio Printmaking I

3

Prerequisite: ART 2400C Introduction to Printmaking This course covers the major acid etching methods of intaglio printmaking. Multiple viscosity color inking techniques will be introduced along with traditional and alternative plate construction methods. Students will create varied editions and non-acid techniques including mono-print and mono-type. Experimentation and collaboration in a Final Print Exchange will be encouraged. (A material fee of \$70 will be assessed.)

ART3443C: Relief Printmaking I

3

Prerequisite: ART 2400C Introduction to Printmaking This course covers traditional and non-traditional methods of relief printmaking. Multiblock color printing, reduction block printing and the collagraph will be introduced. Emphasis will be given to the unique graphic aesthetic of the woodblock/linoblock. Experimentation and collaboration in a Final Print Exchange will be encouraged. (A material fee of \$70 will be assessed.)

ART3504C: Painting III

3

Prerequisite: ART 2501C

Description: In this class students will develop their work through directed and self-motivated activities. Assignments will be

designed to allow personal artistic development while further developing an understanding of painting mediums. Regular group and individual critiques will be held to mark the progress of the students work. There will be several directed projects, discussions and demonstrations intended to expand the student's knowledge of artistic processes.

Course Fees: \$30

Repeatability: This course may be repeated for a maximum of 9 credits.

ART3505C: Alternative Processes in Painting

3

Prerequisite: ART 2500C This course is designed to allow for in depth, directed exploration of the many possibilities of painting with non-traditional painting materials and alternative painting techniques. (A material fee of \$10 will be assessed.)

ART3530C: Painting II

3

Prerequisite: ART 2500C

Description: Students in this class will continue to investigate painting methods, mediums and techniques, with an emphasis on the development of personal vision. Students will continue to develop knowledge of composition, scale, and spatial perception and the theoretical and practical aspects of color and its application to painting mediums. Through these processes, students will become more independent and self-directed in developing ideas and concepts, processes, and the critical structure for their paintings.

ART3560C: Figurative Painting

3

Prerequisites: ART 3332C and ART 2500C. This class is about understanding and interpreting the figure in paint. The classes will explore painting the figure, and enable students to develop individual approaches to figurative painting in studio painting sessions. The students will explore mixing color for flesh tones, as well as composition, anatomy, and painting techniques. May be repeated for a maximum of 6 hours. (A material fee of \$15 will be assessed.)

ART3568C: Plein Air Painting

3

Prerequisite: ART 2501C

Description: This course is designed to introduce the student to the practice of plein air or open air painting . Plein Air has been a common practice for artists since the mid 18th century and is considered a practical means of studying color, value, atmosphere and the changing attributes of fleeting light. During the course students will travel to various locations both on and off campus in order to explore the unique aspects and challenges of plein air painting.

ART3569C: Portrait Painting

3

Prerequisite: ART 2501C

Description: This course is designed to guide the student forward with a direct and fundamental approach to the practice of portrait painting. The course is primarily concerned with working from the live model and developing a contextual framework for the finished portrait by serving to strengthen the students ability to capture form and character.

ART3707C: Sculpture I

3

Prerequisite: ART 2203C This course is a continuation of the studio experience. Students will use sculptural materials and a variety of core sculptural processes with an emphasis on technical development and construction techniques. Individual expression in three dimensions will be enhanced by an expanded understanding of materials and construction methods. (A material fee of \$115 will be assessed.)

ART3709C: Sculpture II

3

Prerequisite: ART 3707C Students will continue to expand on their technical development in a number of sculptural materials, while developing their personal artistic style. (A material fee of \$115 will be assessed.)

ART3714C: Sculpture: Casting

3

Prerequisite: ART 3707C. This course covers a variety of mold-making and casting processes, including both rigid and flexible mold-making materials, incorporated with both cold material and

hot metal casting processes. The course may be repeated for a maximum of 9 hours. (A material fee of \$115 will be assessed.)

ART3765C: Intermediate Ceramics **3**

Prerequisite: ART 3786C. This course covers intermediate exploration of ceramic methods emphasizing individual expression, alternative directions and aesthetic qualities in clay. Surface enhancement including special glazing techniques is covered. This course may be repeated for a maximum of 9 hours. (A material fee of \$65 will be assessed.)

ART3786C: Ceramics **3**

This course covers hand-building, wheel-throwing, glazing, and firing procedures to increase technical proficiency and sensitivity in the design process and to translate personal expression and aesthetic values into art form. This course may be repeated for a maximum of 6 hours. (A material fee of \$65 will be assessed.)

ART3930: Special Topics in Art **v. 1-3**

May be repeated for a total of 24 credits under different topics. (A material fee of \$35 will be assessed.)

ART4421C: Lithography Printmaking II **3**

Prerequisite: ART 3420C This course is designed to present advanced planographic print methods including photo-lithography. Students will learn to construct and edition traditional and alternative lithographic techniques. Research, experimentation and a final print exchange will be encouraged. (A material fee of \$70 will be assessed.)

ART4434C: Screenprint II **3**

Prerequisite: ART 3433C This course is designed to give the experienced printmaker advanced screenprint methods using traditional and non-traditional print materials. Experimentation, social impact of multiples, and large-scale printing will be encouraged through the use of alternative surfaces or found objects. (A material fee of \$70 will be assessed.)

ART4444C: Intaglio Printmaking II **3**

Prerequisite: ART 3442C This course is designed to give the experienced printmaker advanced printing methods including photo intaglio and multiple plate color etching techniques. Experimentation, large format, and narrative plate construction will be encouraged. (A material fee of \$70 will be assessed.)

ART4445C: Relief Printmaking II **3**

Prerequisite: ART 3443C This course is designed to give the experienced printmaker successful ways to make relief prints on traditional and non-traditional print materials. Experimentation and large-scale relief printing will be encouraged through the use of collagraph, woodblock, linoleum and alternative surfaces or found objects. (A material fee of \$70 will be assessed.)

ART4710C: Sculpture III **3**

Prerequisite: ART 3707C, ART 3709C This course is designed for individual specialization in sculpture studio including research in a focused artistic direction. Emphasis will be placed on personal style development, professional awareness, and studio practice. (A material fee of \$115 will be assessed.)

ART4736C: Sculpture: Enlivened Spaces **3**

Prerequisite: ART 3707C. The studio-based course provides the basic foundations for sculptural studies through a series of projects and creative inquiries. The projects foster a relationship between concept to process, and intention to outcomes. Basic sculptural languages will be explored, such as metaphor, narrative, metonymy, space, materiality, form, mass and scale. The interdisciplinary nature of contemporary sculptural practice is emphasized through projects which include but are not limited to collaboration, performance art, site-specific art, sound art, light art, and time-based art as well as exploratory application of traditional forms and methodologies. Some local travel will be involved to produce artwork on location. (A material fee of \$115 will be assessed.)

ART4768C: Advanced Ceramics **3**

Prerequisite: ART 3786C. This is an advanced course for

individual specialization in ceramic studio. Topics will include and not be limited to glaze exploration and the development of ceramic forms. The course may be repeated for a maximum of 9 hours. (A material fee of \$65 will be assessed.)

ART4788C: Ceramic Aesthetic **3**

Prerequisite: ART 3786C. This course focuses on advanced levels of invention employing the creative process toward very personal forms, glazes and techniques. Consideration is given to new technology in the field as well as contemporary ideas on aesthetics and quality. (A material fee of \$65 will be assessed.)

ART4805C: Painting/Drawing Research **3**

Prerequisite: ART 3504C and ART 3332C

Description: This course is a concentrated study of drawing and painting processes. Advanced studio problems in drawing and painting are pursued with emphasis on independent work. Seminar discussions and critiques are central to the course. Regular group and individual critiques will be held to mark the progress of the students' work. Historic references will broaden understanding of drawing and painting as part of the visual language.

Course Fees: \$25

Repeatability: This course may be repeated for a maximum of 6 credits.

ART4905: Directed Individual Studies **v. 1-3**

A maximum of 15 credits may be accumulated in directed individual studies. (A material fee of \$15 will be assessed.)

ART4929C: Senior Project **3**

Students enrolled in this course will make, promote and install a body of work which exhibits a professional approach and understanding of the medium selected. An artist's statement and an exhibition plan is required. (A material fee of \$25 will be assessed.)

ART4935: Seminar **v. 1-3**

A maximum of 15 credits may be accumulated in seminars. (A material fee of \$15 will be assessed.)

ART4965C: Fine Arts Portfolio

3

Description: This course is the culminating portfolio class in which students present their own work while incorporating experiences with exhibitions, the development of a written portfolio and public speaking. This class focuses on critical thinking, craftsmanship and organization skills through study and practice of the business of art, local and regional exhibitions and professional presentation procedures. Students will present self-determined goals and objectives. Their work will be presented for review and oversight by art and design faculty.

Course Fees: \$10

GRA2108: Graphic Design History

3

Description: This course surveys the evolution of graphic design and explores its development as a profession. It traces visual communication from early human marks into the digital age, focusing on significant people, artifacts and events. The course explores the interrelationship of design and culture, examining social, political, economic, artistic and technological influences on the form and function of graphic design, and vice versa. Through examination, analysis and evaluation of canonical works, this course promotes awareness and understanding of the history of graphic design as a foundation for those who will create its future.

GRA2110C: Graphic Design: Creativity and Critique

3

Prerequisite: ART1201C, ART1300C and ART1600C

Description: This course provides strategies for ideating original creative concepts and introduces a vocabulary for articulating the design decisions that visualize those concepts. It gives students a foundation for analyzing, evaluating, discussing and presenting graphic design works in written and oral formats. It emphasizes the purpose and value of critique and introduces methods of accepting and delivering feedback in a critical yet empathic manner. Students also examine issues of originality,

appropriation, and plagiarism.

GRA2160C: Graphic Design: Process and Methods

3

Prerequisite: ART1201C, ART1300C and ART1600C

Description: This course outlines the developmental stages of creative conceptualization and emphasizes strategic approaches to devising effective user-centered design solutions. It focuses on the role of research in defining a problem and informing design decisions, and introduces methods for conducting and analyzing research. Students explore a variety of techniques for idea generation and concept visualization, as well as different approaches to testing and evaluating design prototypes. Course fees: \$65

GRA2190C: Graphic Design: Principles

3

Prerequisites: ART 1201C, ART 1300C, and ART 1600

Description: This course introduces the formal elements and principles of visual language. It provides a vocabulary for describing visual form and analyzing its role in a variety of applied contexts, and teaches techniques for creating form. Projects emphasize formal and conceptual experimentation across a range of analog and digital media. Students study historical and contemporary design to recognize the principles at work in effective graphic solutions, examine the significance of trends and develop their own design sensibilities. (A material fee of \$45 will be assessed.)

GRA2203C: Prepress Production

3

Prerequisites: GRA 2190C The course examines and demonstrates software and techniques used in digital page design for printed media. Basic typography and production processes will be explored. Design problems will be used to explain how to effectively prepare a job from concept through the printing process. Projects will be used to explore traditional and digital printing technology and techniques used in producing a job for press. (A material fee of \$45 will be assessed.)

GRA2208C: Type Visualization

3

Prerequisite: ART1201C, ART1300C and ART1600C

Description: This course introduces students to typographic form and function. It focuses on type anatomy and classification, presents principles of effective typography, and considers type design in historical contexts as well as contemporary practice. Students examine typographic construction through hand-drawn studies and practice composition using digital manipulation, beginning with the interrelationship of letters and expanding to the spatial organization of a page. Projects emphasize both practical applications and expressive explorations of type.

GRA3118C: Publication Design

3

Prerequisites: GRA 3183C, GRA 2203C This course focuses on creative problem solving for publication design. Emphasis is placed on the importance of content as the foundation for concept development, creation of flexible grid systems, typographic detail and composition. Topics include but are not limited to magazine, annual report, newspaper, catalog and book design. (A material fee of \$15 will be assessed.)

GRA3139C: Time-Based Media

3

Description: Acceptance into Graphic Design and Digital Media program or departmental permission. This course examines the potential of sequence and motion in creating compelling visual narratives. It explores the fundamentals of visual storytelling and presents strategies for planning time-based design solutions that communicate with an intended audience. It introduces technologies and techniques for creating and editing content, including audio, video, typography, still imagery and sound. Projects range from practical to experimental and challenge students to consider how time-based media can shape the user experience.

GRA3155C: Graphic Symbols and Semiotics

3

Description: Acceptance into Graphic Design and Digital Media program or departmental permission. This course introduces the study of signs and symbolism within the framework of visual

communication, with a focus on enhancing visual literacy. It examines how meaning is created and how messages are interpreted and perceived depending on cultural, societal and temporal contexts. Course projects explore methods for visually communicating objects and ideas through representation and abstraction; stylization of form, including color, typography and imagery; and the use of rhetorical devices in graphic design.

GRA3174C: Poster Design

3

Prerequisite: GRA 3183C

Description: This course will focus on where design and message come together to communicate an idea to the public. Emphasis will be placed on the aesthetic and meaning behind delivering an effective message to an intended audience. The student will also consider the relevance and role the poster plays in society today. Class projects will focus on concept and process and will be explored visually using various design techniques. There will be a research and writing component to each of the projects.

GRA3183C: Typography Studio

3

Prerequisites: GRA 2190C. The principles of typography will be explored through exercises and projects. Projects will emphasize the typographic form and type-and-image in visual communication. Emphasis will be placed on terminology, historical origins, form and compositional elements used while designing with type. Problem solving skills, process and research will be stressed. Graphic design principles will be reinforced with projects concentrating on typographic detail. (A material fee of \$45 will be assessed.)

GRA3192C: Type Communication

3

Description: This course explores the function and potential of typography in expanded design contexts. Students solve increasingly complex typographic problems using innovative design solutions that consider contemporary visual environments. They develop the necessary skills to design engaging reading experiences, from applying conventions of traditional typographic etiquette to experimenting with expressive typography and unconventional compositions. The course emphasizes the use of

grids, information hierarchy, and comprehensive typographic systems to create effective layouts that enhance the communication of the message to the intended audience.

GRA3512C: Visual Identity

3

Prerequisites: GRA3155C

Description: This course examines the role of design in defining and enhancing the brand experience of companies, organizations, products, and people. It provides an overview of important historical works and explores visual identity in contemporary branding strategies. Students study formal elements and component parts, as well as applications, classifications, and touchpoints. They utilize research methodologies to produce visual identities, ranging from static wordmarks to adaptive integrated systems, with a focus on creative, consistent solutions. They also examine visual brand strategy through the analysis and development of design standards and guidelines. (A material fee of \$15 will be assessed.)

GRA3523C: User Interface and Interaction

Design

3

Prerequisites: Acceptance into the Graphic Design and Digital Media Program or Departmental Permission.

Description: This course introduces students to the key methodologies in designing modern interactive experiences. Analog and digital tools are utilized to plan, design and prototype human-centered design solutions for screens and emerging technologies. Students explore the limitations and the potential of interactive screen-based design, while effectively applying fundamental design elements including typography, color, imagery, layout, and animation. The course also addresses user research, user experience, design thinking, problem definition, information hierarchy, navigation, usability, accessibility, and production. (A material fee of \$15 will be assessed.)

GRA3833C: Motion Graphics

3

Prerequisites: PGY 1800C Digital Photography for Designers, GRA 3880C Illustration This course introduces students to motion graphics, as it relates to special effects, animation, and advertising. Students will be challenged to apply their current

design knowledge in motion graphics. New solutions to visual problems will be explored through challenging class projects. Additional emphasis will be placed on exploring motion graphics as it relates to contemporary media. (A material fee of \$45 will be assessed.)

GRA3880C: Illustration

3

Prerequisites: GRA 2190C Introduction to Graphic Design This course surveys the broad field of illustration through studio projects that examine the varied requirements in areas such as advertising, editorial and book illustration. Projects challenge the students ability to create illustrations, both traditionally and digital, that communicates to a mass audience with impact and style. Additional emphasis will be placed on applying illustrated works to a digital, page design. (A material fee of \$45 will be assessed.)

GRA4119C: Package Design

3

Prerequisites: GRA 3183C Typography Studio, GRA 3512C Corporate Identity This course introduces the principles of graphic design and three dimensional design as they apply to packaging design. This course will cover principles of branding and how they apply to the process of designing packaging. Students will explore conceptual development and problem solving in three dimensional graphic design systems. In addition, they will work with functional and formal aspects of packaging. Students will also improve their creativity skills while working individually and in teams. They will interface with equipment, software and a variety of packaging materials, forms and containers. (A material fee of \$45 will be assessed.)

GRA4137C: Advanced Web Design

3

Prerequisite: GRA 3523C This studio course builds on the principles taught in introduction to web design. Students are challenged to solve advanced communication problems while addressing technical issues relating to web design and the user experience. An emphasis is placed on web standards, advanced HTML and CSS. Students work with industry standard tools to produce assignments that simulate real world projects. Additional topics to be discussed will include: User Testing, Project Panning, Ste Evaluation and Collaboration. (A material fee of \$45 will be assessed.)

GRA4154C: Advanced Illustration**3**

Advanced problems and techniques of conceptual and editorial illustration. Problems and demonstration in a variety of media-methods of presentation. (A material fee of \$45 will be assessed.)

GRA4179C: Social Design**3**

Prerequisites: GRA 2203C, GRA3183C This course will explore the purpose of Graphic Design for social change outside the scope of advertising. Students will investigate societal issues and provide design solutions in response to the problems identified. The student will also consider the relevance of design for pro-bono and non-client based causes. Class projects will emphasize the conceptual and aesthetic aspects of delivering an effective message. (A material fee of \$45 will be assessed.)

GRA4186C: Senior Design Studio**3**

Prerequisites: GRA 3183C, GRA 3512C This course focuses on the refinement of student's problem-solving abilities through the advanced application of the design process. They research and analyze topical subjects to create visual communication application such as Poster, Corporate Identity Systems, and Environmental and Editorial Design Applications. Emphasis will be placed on expressive and creative communication through graphic design and portfolio development through production of high-quality printed portfolio pieces. (A material fee of \$15 will be assessed.)

GRA4189C: Graphic Design Portfolio**3**

Prerequisites: Acceptance into Graphic Design and Digital Media program, and senior status or departmental permission.

Description: In this concluding course of the Graphic Design and Digital Media program, students produce a portfolio of work that demonstrates advanced critical thinking, conceptualization, technical proficiency, and visual composition. They revise and refine projects created in previous semesters to support a focused area of interest. New work may be developed to create a comprehensive and diverse portfolio. Professional goals are considered in evaluating and utilizing effective presentation

formats. The course emphasizes students'™ ability to articulate design concepts and decisions through oral and written communication. (A material fee of \$15 will be assessed.)

GRA4423: Graphic Design Professional

Practices

3

.Prerequisites: Acceptance into Graphic Design and Digital Media program, and senior status or departmental permission.

Description: This course prepares students for progressing from the classroom to professional environments. It surveys career opportunities within various disciplines and examines cultural trends influencing design practice. The course explores the designer-client relationship, ethical and professional standards of conduct and intellectual property issues. It guides students through the job search process as well as self-employment strategies for pricing work, writing proposals and contracts, and managing time and workflow. Assignments emphasize effective written and oral communication for professional audiences. (A material fee of \$15 will be assessed.)

GRA4513C: Product Promotion

3

Prerequisite: GRA 3183C Typography Studio This course explores and deciphers messages in product promotion for television, website, and print. Students will be taught how to use visual rhetoric and persuasion to educate a target audience about products and services. Various theories and practices used in the advertising industry will also be discussed. Emphasis will be placed on design solutions for product promotion. (A material fee of \$45 will be assessed.)

GRA4884C: Advanced Motion Graphics

3

Prerequisite: GRA 3833C Motion Graphics This course focuses on traditional animation, fundamentals of character design, layout and timing. Projects will focus on the differences between the limitations and specifications for Web and Broadcast. Students will evaluate motion design and animation examples and discuss film theory as it relates to the role of designer/producer. Emphasis will be placed on taking ideas from concept to finished shorts utilizing the current technology. Commercial as well as experimental techniques will be discussed. (A material fee of \$45 will be

assessed.)

GRA4886C: Visual Systems

3

Prerequisite: GRA2208C and GRA3155C

Description: This course enables students to create complex, concept-driven, user-centered design systems. It provides advanced strategies for conducting, analyzing, evaluating and synthesizing research to identify user needs and respond with responsible, meaningful, empathic design solutions. Students consider the impact of design beyond the target audience, examining systemic effects on business, economy, society, culture, and environment. The course emphasizes the importance of communication and collaboration with all the participants of the design process.

GRA4940: Internship in Graphic Design

3

Prerequisites: Senior standing and completion of three upper-level graphic design courses and consent of coordinator. Students will work and study on the job with a Graphic Design firm or an organization that has a Graphic Design Department. The firm or organization must be approved by the coordinator and paid positions are preferred. (A material fee of \$15 will be assessed.)

PGY1800C: Digital Photography for Designers

3

Prerequisite: ART2605C Basic Computer Images. This course will explore proper photographic techniques, including: framing an image, exposure settings, and camera controls. Additional emphasis will be placed on computer image editing. Students will be expected to photograph various subjects and explore image editing software. Image management and composition will be stressed while shooting for print and digital design projects. This class will prepare students to apply imagery to future design projects in the program. (A material fee of \$65 will be assessed.)

PGY2401C: Introduction to Photography

3

Prerequisite: Completion of 30 undergraduate hours

Description: This course introduces students to the technical aspects of traditional black & white photography including: camera

operation, film exposure and processing, darkroom printing, and professional presentation of photographic works. The course will also introduce students with basic awareness of photography history, and an understanding of photography's communicative and expressive potentials. Course Fee: \$75

PGY2807C: Digital Photography for Non-Photography Majors

3

Prerequisite: Completion of 30 undergraduate credits

Description: An exploratory course that will provide students with a working understanding of the fundamentals of digital photography. Emphasis is upon digital camera controls, computer editing tools for manipulating and enhancing images, digital output, and developing essential strategies for taking photographs. Students will produce a portfolio and research paper. One third (1 credit) of this class is devoted to lectures and 2/3 (2 credits) is devoted to lab.

PGY3276C: Professional Practices

3

Prerequisite: PGY 3820C or permission of instructor for non-photo BFA majors.

Description: An introduction to practical and professional strategies related to creative practice including: documenting, editing, and archiving work, preparing resumes, project statements, developing a professional website, searching for exhibitions and other opportunities for BFA majors. This course will also introduce students to critical examination, writing and speaking about their work. (Required course for BFA Photo Majors)

PGY3410C: Intermediate Photography

3

Prerequisites: PGY 2401C

Description: This is an intermediate-level film and camera-based course. Goals of the class include: fine tuning technical skills, archival processing of fiber papers, fundamentals of studio lighting and further development of a photographic vision, along with the skills necessary for discussing and writing about your work and that of others. A 35mm or medium format single lens reflex (SLR) film camera with manual adjustments and a built-in or hand-held light meter is required for this course. Course Fee: \$75

PGY3820C: Introduction to Digital Imaging **3**

Prerequisite: PGY 2401C. This course will investigate computer tools that manipulate and enhance photographic images. Students will explore a wide range of assignments and exercises designed to develop digital darkroom skills and expand their creative possibilities. Basic issues surrounding photography in the digital age will be presented and discussed throughout the semester. (A material fee of \$75 will be assessed.)

PGY3824C: Color Photography **3**

Prerequisite: PGY 2401 and PGY 3820

Description: This course will investigate color photography as a means of expression and form of communication as well as introduce the principles of color theory and color characteristics of natural and artificial light. In addition, students will be instructed how to manage and manipulate color using Adobe Photoshop and Camera Raw. Course Fee: \$75

PGY3930C: Special Topics in Photography **3**

Prerequisites: PGY 2401C, PGY 3410C, PGY 3820C, One PGY 4XXXC level course This course offers a broad range of topics in applied photographic practice. Special Topics courses are characterized by a "workshop" format where students work individually and with faculty on extended projects designed to develop technical proficiency in one or more photographic processes while working towards production of a coherent portfolio and written artist statement. A materials fee will be assessed for this course. (A material fee of \$75 will be assessed.)

PGY3952C: Study Abroad: Photography in Italy **3**

Description: An introductory course designed for non-photo majors or minors who want to develop a working understanding of the fundamentals of digital photography. The course emphasizes camera controls, basic photographic techniques, and the practice of photographic seeing within the context of a study abroad experiences in Italy. Students are encouraged to explore the rich

history and culture of Italy through various photographic assignments. One third (1 credit) of this class is devoted to lectures and 2/3 (2 credits) is devoted to lab. Photography majors and minors participating in the Italy Study Abroad program should register for PGY 4944 Photography Practicum. Other non-photo BFA majors should contact the department of Art and Design for registration information.

PGY4205C: Studio Fundamentals **3**

Prerequisite: PGY 2401C, PGY 3410C, PGY 3824C

Description: Studio Fundamentals introduces the student to working with artificial sources of light in a photographic studio. These lighting sources are studied and analyzed to enable the student to discern and employ light effectively and creatively in the production of photographs.

Course Fees: \$75

PGY4218C: Advanced Studio Practice **3**

Prerequisite: PGY 4205C

Description: A studio-based course in which students further develop techniques for controlling and manipulating light to achieve professional results. Strong emphasis is placed upon student-generated assignments, experimental lighting techniques, and professional studio practices.

PGY4443C: Alternative Photographic Processes **3**

Prerequisite: PGY 3410C and PGY 3820 or permission of instructor for non-photo BFA majors. Course

Description: This course explores alternative methods of picture making using historical photographic processes in application with analog and digital negative-making techniques, non-camera negative production, and mixed media techniques.

Course Fees: \$75

PGY4476C: Photography Portfolio **3**

Prerequisite: PGY 3276C or Instructor permission for non-photo BFA majors

Description: Students will pursue a semester-long project and

produce a cohesive portfolio, write a self-reflective essay on their work, deliver an oral presentation to the faculty, participate in an exhibition, and update resume, artist statements, and websites developed in PGY 3276C or other ART courses. Additionally, students will be introduced to professional strategies including: applying to graduate school, searching for exhibitions and grants, starting a business, and preparing for job interviews. (Photo Majors: No more than one PGY 3000 or 4000 level course may be taken with this class.

Course Fees: \$75

PGY4944C: Advanced Photography

Practicum

3

Prerequisite: PGY 3410C and PGY 3820C

Description: Technical skills introduced in lower level courses are further developed in this revolving set of courses which introduce students to a range of photographic approaches including: documentary practice, fabrication and manipulation, advanced portraiture, alternative analog and digital processes, etc. Students will explore the challenges of self-generated assignments, longer-term projects, and on-demand web publishing of work. Particular emphasis is placed on self-critique and analysis of photographic work from formal, technical, and conceptual perspectives.

Repeatability: This course may be repeated for up to 12 credits under different content.

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Undergraduate Courses

Languages, Lits., and Cultures

CHI1120: Beginning Chinese I

4

Description: This course provides a basic introduction to modern Chinese, building a solid foundation in the structures, vocabulary and pronunciation of the language. Native and heritage speakers of Chinese may take this course only with the permission of the chair of Languages, Literatures and Cultures.

CHI1121: Beginning Chinese II

4

Prerequisite: CHI 1120 Beginning Chinese or equivalent

Description: This course is the continuation of first-year Chinese, emphasizing the acquisition of proficiency at the elementary level. Students master the basic grammar, vocabulary and pronunciation of the language. Native and heritage speakers of Chinese may take this course only with the permission of the chair of Languages, Literatures and Cultures.

CHI2200: Intermediate Chinese I

3

Prerequisite: CHI 1120 Beginning Chinese I and CHI 1121 Beginning Chinese II or equivalent

Description: Intermediate Chinese I builds upon the proficiency in the language acquired during the elementary-level sequence, with an emphasis on improved speaking and comprehension skills, and the acquisition of a broader vocabulary. Native and heritage speakers of Chinese may take this course only with the permission of the chair of Languages, Literatures and Cultures.

CHI2201: Intermediate Chinese II

3

Prerequisite: CHI 2200 Intermediate Chinese I

Description: This course is the continuation of Intermediate Chinese, stressing improved proficiency in the language at the intermediate level. In this course, students master more complex grammatical structures in spoken and written Chinese. Native and

heritage speakers of Chinese may take this course only with the permission of the chair of Languages, Literatures and Cultures.

CHI3301: Composition in Chinese **3**

Prerequisite: CHI 2201

Description: This course focuses on improving students' ability to express themselves in written Chinese. Students will analyze readings reflecting a variety of modern Chinese rhetorical styles and will be expected to complete numerous formal and informal writing assignments. The course is designed both for non-native students above the intermediate level and native/heritage speakers with little or no previous formal training in reading and writing the Chinese language.

CHI3400: Conversation in Chinese **3**

Prerequisite: CHI 2201 or permission of instructor

Description: This course develops conversational skills in Chinese above the intermediate level and includes conversations on directed topics. Native and heritage speakers of Chinese may take this course only with the permission of the chair of Languages, Literatures and Cultures.

CHI3930: Special Topics in Chinese **3**

Prerequisite: CHI 2201

Description: Special Topics in Chinese explores cultural, literary or linguistic issues. This course will center on specific topics that may include, but are not limited to, the culture of doing business in China, Chinese literature, the culture of Ancient China, Classical Chinese, Business Chinese and Chinese Film. The language of instruction is Chinese.

Repeatability: This course may be repeated for up to 6 credits.

CHI4904: Directed Independent Study in Chinese **3**

Prerequisite: CHI 3400 or CHI 3301. Students must have successfully completed one or more 3000-level Chinese language courses prior to requesting a Directed Independent Study.

Description: This course provides a directed, individual study of a

specific literary, linguistic or cultural topic related to the Chinese language. Departmental approval is required.

CHT3500: (FC) Chinese Culture **3**

Description: This course examines themes pertaining to Chinese culture. Topics may include contemporary popular culture, social and political upheavals, folklore, religion, economic evolution, the governmental systems and education, among other subjects. Topics may vary from one semester to the next. The language of instruction is English.

FIL4822: French Cinema **3**

Description: This course examines narrative and thematic structure in recent French cinema. This course will also examine several main genres and/or approaches in French cinema, including the heritage genre, La Nouvelle Vague, the "cinema du look", feminist cinema, and colonial/postcolonial themes. The critical readings for each film and the essay assignments will encourage students to develop their own critical and analytical skills in writing about film.

FOL1100: Beginning Foreign Language I **4**

Description: This course prepares the student to read, write and speak a language other than English. Native and heritage speakers of the target language may take this course only with the permission of the chair of Languages, Literatures and Cultures.

FOL1950: Beginning Foreign Language

Study Abroad

v. 3-6

Prerequisite: Permission by program director. Students can earn up to six hours of credit through study of foreign language abroad at the beginning level. Prior approval is necessary.

FOL2952: Intermediate Foreign Language

Study Abroad

v. 3-12

Students can earn up to six hours of credit through study of foreign language abroad at the intermediate level. Prior approval, awarded on a case-by-case basis, is necessary.

FOL3930: Special Topics in Foreign

Languages

v. 2-4

Intensive training in such languages as French, Spanish and Portuguese, as resources and interests allow or intermediate and advanced training in French and Spanish. May require a lab. May be repeated up to 12 credits for different languages and levels. Title varies with offering.

FOL3953: Advanced Foreign Language

Study Abroad

v. 3-12

Students can earn up to six hours of credit through study of foreign language abroad at the advanced level. Prior approval, awarded on a case-by-case basis, is necessary.

FOT3500: (FC) Peoples and Cultures of

Spain

3

Description: This course examines the history, people, and cultures of different regions of Spain comparatively through archival materials, architecture, art, literature and film. This course focuses on specific themes and ideas, e.g., the fundamental importance of the 711-1492 CE period of coexistence between Iberian Muslim, Christian, and Jewish cultures, in contrast with revisionist assertions of national culture in Francoist Spain (1939-1975). Students will investigate how such themes and ideas have constituted major factors in the configuration of Spanish cultural identity. The appreciation of multicultural heritage throughout the centuries and a better understanding of the challenges of modern/contemporary Spanish society and culture are further goals of FOT 3500. There are no prerequisites for this course, which is conducted in English.

FOT3510: (FC) Love in the Middle Ages

3

Description: This course explores the ways in which love inspired and troubled our predecessors in the cultures of Medieval Europe, and reveals to us the roots of many of our modern conceptions of romantic love, sex and marriage. Readings include courtly and Arthurian literature, bawdy tales and other contemporary works, as well as modern historical evaluations. This course satisfies the Foreign Culture requirement. The language of instruction for this course is English.

FOT3931: (FC) Studies in Foreign Culture 3

Study of topics in foreign culture using materials in English. See Department of English and Foreign Languages for individual course description. May be repeated up to 12 credits under different topics.

FRE1120: Beginning French I 4

Description: This course stresses the development of communicative and functional language use at the beginning level. This course gives the student an opportunity to develop a basic ability to read, write, speak and comprehend modern French. Native and heritage speakers of French may take this course only with the permission of the chair of Languages, Literatures and Cultures.

FRE1121: Beginning French II 4

Prerequisite: FRE 1120 or as determined by placement test results

Description: This course is the second half of the beginning French sequence. Students will continue to acquire the basic ability to read, write, speak and comprehend modern French. The beginning sequence prepares students for the intermediate level in French. Native and heritage speakers of French may take this course only with the permission of the chair of Languages, Literatures and Cultures.

FRE2240: Intermediate French I 3

Prerequisite: FRE 1120 and FRE 1121 or as determined by placement test results

Description: This course stresses the development of communicative and functional language use at the intermediate level, building upon previously acquired structures through speaking, listening comprehension, reading and writing practice. Native and heritage speakers of French may take this course only with permission of the chair of Languages, Literatures and Cultures.

FRE2241: Intermediate French II **3**

Prerequisite: FRE 2240 or as determined by placement test results

Description: As the second half of the sequence for intermediate-level French, this course stresses the development of communicative and functional language use at the intermediate level, building upon previously acquired structures through speaking, listening comprehension, reading and writing practice. Native and heritage speakers of French may take this course only with permission of the chair of Languages, Literatures and Cultures.

FRE3283: French Listening and Speaking Skills **3**

Prerequisite: FRE 2240 Intermediate French I or equivalent

Description: This course provides training in the development of aural comprehension of spoken French, with an emphasis on understanding colloquial speech patterns, broadcast journalism and regional accents; students will also receive training in oral production with an emphasis on normative speech and the development of vocabulary. Native and heritage speakers of French may take this course only with permission of the chair of Languages, Literatures and Cultures.

FRE3300: French Grammar and Composition **3**

Prerequisite: FRE 2240, FRE 2241

Description: This course provides training in writing correct French through the systematic study of French grammar and the practice of writing skills using a variety of approaches and for a variety of purposes.

FRE3350: Readings in French Literature and Culture

3

Prerequisite: FRE 2240, FRE 2241

Description: This course provides training in reading skills in French while giving students a broad background in French and Francophone literature and culture.

FRE3430: French for the Professions

3

Prerequisite: FRE 3283 or FRE 3300 or permission of the instructor

Description: This course provides students with the vocabulary and communicative skills related to different professions such as business and law. The language of instruction is French. Native and heritage speakers of French may take this course only with permission of the chair of Languages, Literatures and Cultures.

FRE3502: French and Francophone Cultures

3

Prerequisite: FRE 3300

Description: This course examines issues pertaining to French and Francophone cultures, including the study of civilization, literature, art, music and film from the French-speaking world. The language of instruction is French.

Repeatability: This course may be repeated for up to six credits with different topics.

FRE4402: Advanced French Conversation

3

Prerequisite: FRE 3283 or permission of instructor

Description: This course promotes the development of advanced skills in conversation and comprehension with emphasis on normative aspects of spoken French and it will include conversation on different topics. Native and heritage speakers of French may take this course only with permission of the chair of Languages, Literatures and Cultures.

FRE4501: France Today

3

Prerequisite: FRE 3283 or FRE 3350 or FRE 3300 or permission

of instructor

Description: This course examines the history, culture, politics, and social issues of contemporary France through selected readings of fictional and non-fictional texts, and engages students in the debates in France concerning immigration, the women's movement, unemployment, socialism and the role of French intellectuals in a changing society. The language of instruction is French.

FRE4905: Directed Independent Study in

French

3

Prerequisite: Student must have successfully completed two French courses at the 3000-level prior to requesting an independent study.

Description: This course provides directed individual research and study on a topic related to the language, literatures and cultures of French and Francophone peoples and regions. This course is not open to Minors in French.

Repeatability: This course may be repeated for up to 6 credits under different topics.

FRE4930: Special Topics in French Culture v. 3-6

Prerequisite: FRE 3300 or FRE 3350 or permission of the instructor

Description: This course examines topics and issues pertaining to French and Francophone cultures and civilization. The readings and films used in the course will be in French, and the language of instruction is French so that students develop a better understanding of the intrinsic relationship between language and culture.

Repeatability: This course may be repeated for up to 6 credits with different topics.

FRT3550: (FC) Faces of France

3

Description: This course examines social, political, literary and artistic issues in contemporary France through the study of culture, fiction and film. The language of instruction is English.

FRT3560: Food and Culture in France **3**

This elective course on contemporary French culture will explore attitudes and practices regarding food production, preparation and presentation in France. We will learn about the history of food writing and gastrotourism in France. Students will examine the contributions of regional French cuisines in defining food culture in France.

FRT3800: French Translation Techniques **3**

Prerequisite: FRE 3350 or FRE 3300 or permission of the instructor

Description: This course provides an introduction to the methods of written and oral translation. We practice translating various styles (journalistic, technical, literary, spoken) of language, with emphasis on the difficulties of translating French to English and English to French. The language of instruction is French.

**FRW3100: Survey of French Literature:
Pre-19th Century** **3**

Prerequisite: FRE 3350 or FRE 3300 or permission of the instructor

Description: This course provides a survey of major French texts and authors from the medieval period to the end of the eighteenth century.

**FRW4930: Special Topics in French
Literature** **3**

Prerequisite: FRE 3350 or FRE 3300 or permission of the instructor

Description: This course constitutes a focused study of an author, period, movement or theme.

Repeatability: This course may be repeated up to 6 credits with different topics.

GER1120: Beginning German I **4**

Description: This course stresses the development of communicative and functional language use at the beginning

level. Students will learn to read, speak, comprehend and write modern German at the beginning level. Native speakers of German may take this course only with the permission of the Language Coordinator.

GER1121: Beginning German II **4**

Prerequisite: GER 1120 or equivalent

Description: This course is the second half of the beginning sequence. Students will continue to acquire the basic skills in reading, speaking and writing modern German. The beginning sequence prepares students for study at the intermediate level. Native speakers of German may take this course only with the permission of the Language Coordinator.

GER2200: Intermediate German I **3**

Prerequisite: GER 1120 and GER 1121

Description: This course stresses the development of communicative and functional language use at the intermediate level. Students will gain practice in speaking, reading and writing modern German. Native speakers of German may take this course only with the permission of the Language Coordinator.

GER2201: Intermediate German II **3**

Prerequisite: GER 2200

Description: As the second half of Intermediate German, this course continues the development of communicative and functional language use at the intermediate level. Students will gain practice in speaking, reading and writing modern German. Native speakers of German may take this course only with the permission of the Language Coordinator.

INS3003: Introduction to International Studies **3**

Description: This course provides an introduction to the International Studies major at UNF. Students will explore the history of International Studies, and will examine the theoretical perspectives and methodological approaches that different disciplines bring to this field. This course also prepares students

for the advanced research, writing and oral communication tasks they will undertake in their coursework in this major, and in particular, in INS4930 International Studies Senior Research Seminar. In addition, this course involves a variety of individual and group advising components to help students plan their academic work within the major, develop plans for completing the foreign language and international educational experience requirements, as well as investigate internship possibilities, graduate programs and professional career paths. Students are required to take this course during their first semester in the International Studies Program.

INS3950: International Educational Experience

0

Prerequisites: For International Studies majors only. Consent of instructor required. Registration in this zero credit, pass/fail course records an International Studies major's completion of the required study abroad or other international educational experience. All students majoring in International Studies, including all concentrations within the major, must enroll in this zero credit course during the semester in which they complete their international educational experience. Enrollment in this course is in addition to any other study-abroad related course for which they may also register.

INS4905: Directed Independent Study

v. 1-4

Prerequisites: Permission of instructor Independent study of student-selected topics under the guidance of the International Studies Program Director or other approved program faculty. This course may be repeated for a total of 12 credits under different topics.

INS4930: International Studies Senior Research Seminar

3

Prerequisites: Senior standing and satisfactory completion of INS3999 Introduction to International Studies and the program's core courses: ANT 3212, ECO 3701, GEO 3553, CPO 4014 or INR 4603, and ANT 4083 or ANT 4497 or HIS 3051 or POS 3733 or GIS3043.

Description: As the culminating course in the International Studies

major, the senior research seminar is designed to help students synthesize their experiences in the program, as well as refine the high-level critical thinking, research, and communication skills needed for success in professional fields. Students in this course will consider a semester theme from a variety of disciplinary perspectives, and will conduct an in-depth research project of their own related to this theme.

INS4941: International Studies Internship 3

Prerequisite: INS 3003

Description: This course provides an opportunity for students in the International Studies major to gain practical experience with a governmental or non-governmental agency or organization within the US or abroad. The internship will consist of at least 150 hours per semester, and participants may be required to submit a journal or written reflection on their experience.

LAS3020: (FC) Peoples and Cultures of the Caribbean 3

Description: This course examines the history, peoples and cultures of the Caribbean. The language of instruction is English.

LAS3031: (FC) Peoples and Cultures of the Southern Cone 3

This course is a presentation of the history and culture of the people living in Argentina, Chile, Uruguay and Paraguay. The language of instruction is English.

LAS3130: (FC) Latin American Pop Culture 3

Description: Latin American Pop Culture looks at street manifestations, traditions, religious practices, as well as different forms of art such as music, dance, theater and graffiti, from different countries in Latin America. In looking at these cultural productions we will examine such topics as inequality, sexism, racism, poverty, and the power of people to bring about social change. This course is conducted in English

**LAS3132: (FC) Women and Violence in
Latin American Literature and Film**

3

Description: This course is an invitation to think critically about the phenomenon of violence in Latin America and how it has affected women in particular. We will consider different types of violence, including political, social, domestic, and the violence of migration. We will examine the roles that society, religion, and the state have played in fomenting or perpetuating this violence. In order to approach this topic, we will take a historical, literary and cinematographic journey through various countries such as Chile, Dominican Republic, Colombia, México, and the United States, among others.

LAS3930: (FC) Cultures of Latin America

3

Description: This course examines topics related to Latin American cultures (including Brazil), such as social revolutions, dictatorships, mestizaje/hybridity, or indigenismo. Emphasis may be given to different regions, such as Central America or the Southern Cone, or to specific countries. Topics may vary from one semester to the next. Contact the Department of Languages, Literatures and Cultures for individual course descriptions. The language of instruction is English.

LAT1120: Beginning Latin I

4

Description: In this course, students will learn the basics of classical Latin, including grammar, vocabulary and syntax. This course also introduces students to reading and translating Latin.

LAT1121: Beginning Latin II

4

Prerequisite: LAT 1120 or equivalent

Description: This course builds upon the material mastered in Beginning Latin I, with an emphasis on advanced structures in the language. In this course, students will practice additional verb tenses and more complex syntax. Readings and texts selected for translation will include major Latin authors.

SPN1120: Beginning Spanish I**4**

Description: This course will give the student the opportunity to develop the foundations of an ability to read, write and speak modern Spanish. Native and heritage speakers of Spanish may take this course only with the permission of the chair of Languages, Literatures and Cultures.

SPN1121: Beginning Spanish II**4**

Prerequisite: SPN 1120 or as determined by placement test results.

Description: This course prepares the student to read, write and speak modern Spanish and prepares the student for more advanced study. Native and heritage speakers of Spanish may take this course only with the permission of the chair of Languages, Literatures and Cultures.

SPN2200: Intermediate Spanish I**3**

Prerequisite: SPN 1121 or SPN 1134 or as determined by placement test results.

Description: This course stresses the development of communicative and functional language use at the intermediate level, building upon previously acquired structures through speaking, listening comprehension, reading and writing practice. Native and heritage speakers of Spanish may take this course only with the permission of the chair of Languages, Literatures and Cultures.

SPN2201: Intermediate Spanish II**3**

Prerequisite: SPN 2200 or as determined by placement test results.

Description: As the second half of the sequence for intermediate-level Spanish, this course stresses the development of communicative and functional language use at the intermediate level, building upon previously acquired structures through speaking, listening comprehension, reading and writing practice. Native and heritage speakers of Spanish may take this course only with the permission of the chair of Languages, Literatures and Cultures.

SPN3013: Spanish For Business **3**

Prerequisite: SPN3300: Spanish Composition OR SPN3242: Spanish Conversation OR SPN3350: Spanish for Heritage Speakers

Description: This course provides students with the language skills and cultural awareness required to conduct business in Spanish-speaking countries.

SPN3036: Spanish for Health Professions **3**

Prerequisite: SPN 3242 or SPN 3300, or permission of instructor.

Description: Spanish for Health Professions provides students with the linguistic and cultural skills necessary for effectively treating Spanish-speaking patients or clients with medical emergencies, illnesses and other health issues.

SPN3242: Spanish Conversation **3**

Prerequisite: SPN 2201 or as determined by placement test results.

Description: This course develops conversational skills in Spanish at the intermediate level. It includes conversation on directed topics. For non-native speakers of Spanish only. Native and heritage speakers are encouraged to enroll in SPN3351 Communication and Communities for Heritage Speakers of Spanish.

SPN3300: Spanish Composition **3**

Prerequisite: SPN 2201 or as determined by placement test results.

Description: This course focuses on improving students' ability to express themselves in writing while advancing their understanding of the complexities of the Spanish language. The course stresses clarity of communication and grammatical precision.

SPN3350: Spanish for Heritage Speakers **3**

Prerequisite: This course has no prerequisites, but is open only to native/heritage speakers of Spanish. Native speakers are understood to be those who were raised in a Spanish-speaking

country. Heritage speakers are those who grew up in the United States or elsewhere outside of the Hispanic world and potentially have had no formal training in Spanish, but who have had regular contact with the language, usually at home.

Description: This course is designed for native and heritage speakers who have had limited or no formal training in the language. The course places strong emphasis on grammar, as well as reading, writing and vocabulary building. The course features a cultural component which challenges students to reflect upon their own experiences as members of bilingual and bicultural families and communities, and to think critically about their place in the cultural context of the larger Spanish-speaking world.

SPN3351: Communication and Communities for Heritage Speakers

3

Prerequisite: This course has no prerequisites, but is open only to native/heritage speakers of Spanish. Native speakers are understood to be those who were raised in a Spanish-speaking country. Heritage speakers are those who grew up in the United States or elsewhere outside of the Hispanic world and potentially have had no formal training in Spanish, but who have had regular contact with the language, usually at home.

Description: This course emphasizes the development of techniques for conversation and public speaking in Spanish. Students will examine the implications of bilingual and bicultural identities and will study regional variations of Spanish. A variety of materials will be used as starting points for discussions, including articles, short stories, film and music. The course incorporates service learning components, which will allow students the opportunity to conduct projects with local Spanish-speaking communities and organizations.

SPN3503: U.S. Hispanic Cultures

3

Prerequisite: SPN 3242 and SPN 3300 or SPN 3350. Students with extensive experience in Spanish-language studies may waive these prerequisites, by permission of the instructor.

Description: This course proposes a panoramic view of U.S. Hispanic cultures in the context of historical realities and cultural politics. It is organized around two main themes: (1) the historicity of the presence of Spanish-speaking cultures in the United States—“not in terms of ethnic subcategories or demographic

change but as a constitutive and foundational part of U.S. culture and society”and (2) cultural theory based on important texts produced by representative writers. For such purposes we will interact with a variety of short texts in Spanish; view video, film, art; listen to music; and access digital archival resources.

SPN3510: Cultures of Spain

3

Prerequisite: SPN 3242, SPN 3300 and SPN 3350, or Students with extensive prior experience in Spanish-language studies may waive these prerequisites, by permission of the instructor.

Description: This course examines the history, people, and cultures of different regions of Spain comparatively through archival materials, architecture, art, literature and film. We will focus specifically on how Spain's multicultural heritage has manifested itself historically through its regional nationalisms, languages, ethnicities, and religions, and we will draw historical and contemporary connections between Spain, Latin America, and Europe.

SPN3524: Latin American Cultures

3

Prerequisite: SPN 3242 and SPN 3300 or SPN 3350. Students with extensive prior experience in Spanish-language studies may waive these prerequisites, by permission of the instructor.

Description: This course examines the history, people, and cultures of different regions of Latin America comparatively through archival materials, architecture, art, literature and film. We will focus specifically on how the multicultural heritage of Latin America has manifested itself historically through its regional nationalisms, languages, ethnicities, and religions, and we will draw historical and contemporary connections between Latin America, Spain, and the rest of the Americas.

SPN3860: Digital Textual Editing in

Spanish

3

Prerequisites: SPN 3242 and, SPN 3300 or SPN 3350; or by permission of instructor

Description: This course introduces students to the theory and practice of electronic textual editing in Spanish. Students will do hands-on work with manuscript and/or print materials from any period, corresponding to Spain, Latin America and/or Hispanic

communities in the United States. Course participants will employ a variety of tools and technologies standard today in the electronic encoding and online publication of texts in the Humanities. Specific requirements will vary by term, according to the particular material under consideration. The language of instruction is Spanish.

Availability: One semester per year

SPN4400: Advanced Spanish Composition **3**

Prerequisite: SPN 3300 or SPN 3350

Description: This course seeks to improve students'™ ability to express themselves with clarity and precision in Spanish through an advanced review of Spanish grammar and syntax, activities designed to build vocabulary, and the production of a variety of writing assignments. The course may incorporate the analysis of literary texts and other cultural production.

SPN4541: Advanced Studies in Hispanic Cultures **3**

Prerequisite: SPW 3030 and SPN 3501, or permission from the course instructor or department chair.

Description: This course will explore in depth a variety of issues related specifically to Spain, and/or Latin America, and/or U.S. Latinos. The course will center on specific topics. These may include, but are not limited to, the autonomous regions of Spain; contemporary Latin America and U.S. Latinos; the Southern Cone; revolution in twentieth-century Spanish America; colonial Spanish America; music, film and literature in Latin America; Spain during the Golden Age; and Latin American borderlands.

Repeatability: This course may be repeated for up to 9 credits with a change in subject matter.

SPN4905: Directed Independent Study in Spanish **v. 1-3**

Prerequisite: Students must have successfully completed a minimum of five 3000- or 4000-level courses in Spanish prior to requesting an independent study.

Description: This course provides a directed, individual study of a specific literary, linguistic or cultural topic related to the Spanish-

speaking world. Departmental approval is required. This course is not open to Minors in Spanish.

SPN4940: Internship for Service/Employment in Spanish 3

Prerequisite: SPN 3242, SPN 3300, SPW 3030 and two additional 3000/4000 level SPN/SPW courses. Minimum GPA: 2.5.

Description: This course constitutes a coordinated internship in a social agency or business that requires students to employ their language skills and cultural awareness to perform a variety of tasks as determined by the internship provider and the academic supervisor. The internship will consist of a minimum number of hours in the field (i.e. 180 hours for experience in a place of employment or 90 hours for monitored volunteer work demanding the application of teaching and translating skills).

Repeatability: Internships may not be repeated for Spanish credit.

SPW3030: Introduction to Literature in Spanish 3

Prerequisite: SPN 3242 and SPN 3300, or permission of the instructor or department chair.

Description: This course consists of readings and analysis of brief literary selections to acquaint students with classic and contemporary Spanish and Latin American literary texts and the basic skills and terminology involved in literary criticism.

SPW3105: Studies in Contemporary Spanish Literature 3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor

Description: This course, which is conducted in Spanish, examines special topics in the literature of Spain from the twentieth century to the present.

SPW3391: Spanish Cinema 3

Prerequisite: SPW 3030 or Students who already have

substantial experience studying literatures and cultures of Spain may also take this course by the permission of the instructor.

Description: This course will consist of a critical overview of Spanish cinema since the civil war. It will focus on the role different filmmakers have taken in defining, revising and questioning Spanish cultural identity, and will study the social, cultural, and political forces that have inspired such cinematic representations. Some topics to be considered will include women's roles in contemporary society, immigration and exile, globalization, and experiences of war.

SPW3399: Latin American Cinema

3

Prerequisite: SPW 3030, or students who already have substantial experience studying literature and cultures of Latin America may also take this course by the permission of the instructor.

Description: This course, which will be conducted in Spanish, consists of a critical overview of Latin American cinema. We will focus on the role different filmmakers have taken in defining, revising and questioning Latin American cultural identities, and we will study the social, cultural, and political forces that have inspired such cinematic representations. Some topics to be considered will include the politics of class, ethnicity, and gender in Latin America; experiences of war and impacts of organized crime; globalization; and migration.

SPW3409: Studies in Medieval and Golden

Age Spanish Literature

3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor.

Description: This course examines special topics in Spanish Peninsular literature from the Middle Ages to the eighteenth century.

SPW3471: Studies in Colonial and 19th C.

Latin American Literature

3

Prerequisite: SPW 3030 or permission of the instructor.

Description: This course examines special topics in the literature of the colonial period and nineteenth century in Latin America.

SPW3498: Studies in Contemporary Latin

American Literature

3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor.

Description: This course examines special topics in Latin American literature in Spanish from the twentieth century to the present.

SPW4192: Food in Latin American

Literature and Culture

3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor.

Description: This course focuses on the subject of food as it is represented in Latin American literature and culture. We will examine texts that engage with the topic of food in the production of authors from various Spanish-speaking Latin American nations, who express themselves in a range of genres that include short story, essay, poetry, and film, from Colonial to contemporary times. Students will learn that food does not only play a fundamental role in survival, but that it also provides an expressive matrix for the articulation of cultural, ethnic, and gender issues.

SPW4194: Pirates in Hispanic Literature

and Culture

3

Prerequisite: SPW 3030, Students with extensive experience studying literature in Spanish before may also take the course by permission of the instructor.

Description: This course examines the representation of pirates in the literature and culture of the Spanish-speaking world from the sixteenth century to the present. We will examine the rhetorical uses of piracy and consider the symbolic values ??that are assigned to the figure of the pirate in response to political circumstances or in accordance with the criteria of different literary or artistic movements.

SPW4302: Hispanic Theater From Text To

Stage

3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor.

Description: This course provides an introduction to the study of contemporary Hispanic Theater. It focuses on the discussion of the text as the blueprint for the performance and the analyses of the sociopolitical, historical and cultural context. We will examine a wide variety of performance practices, including community theater, street performance and collective theater; and invite virtual collaborations with some of the authors in order to work on adaptations, group final performances and/or dramatic readings.

SPW4373: Technology and the Latin

American Short Story

3

Prerequisite: SPW 3030 and SPW 3383, or by permission of the instructor.

Description: This course focuses on connections between the development of technologies in Latin America and the development of the 20th and 21st C. Latin American short story as an experimental genre. Technology, and the role of technocracy in Latin American societies, has been a recurrent theme in the Latin American short story. It has also defined the parameters of the genre, from the newspaper-focused writing of pioneers like Horacio Quiroga to new short story forms produced in digital and visual formats. As we read, we will discuss various technology-related social realities and changes over the course of the 20th and 21st centuries in Latin America.

SPW4523: Women's Literature in Latin

America

3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor.

Description: Women's Literature in Latin America is a course that focuses on the role of women in Latin American cultural and literary production. Through the study of texts in prose, poetry, drama and film, students will learn about the social construction of gender, the evolution of feminist thought, and the problems faced

by Latin American women today. In addition, they will be able to connect the relationship between language, the creation of texts and the sociopolitical realities represented in them, and they will gain a deep understanding of the challenges and successes of women of diverse origins: racial, ethnic and class. The course is taught in Spanish.

SPW4600: Don Quixote: Hero or Fool

3

Prerequisite: SPW 3030 or, for those with prior experience with literary studies in Spanish, to have received the permission of the instructor.

Description: Why do we read Don Quixote today? In this course, students will read and analyze Don Quixote from its relationship with different literary and cultural traditions, its innovative narrative structure, and the transformation of the figure of don Quixote into a modern myth and a ubiquitous visual icon in popular culture. Different theoretical approaches (â€œclose readingâ€™™, â€œdistant readingâ€™™, cultural studies) will be used to explore these issues.

SPW4930: Advanced Studies in Hispanic

Literatures

3

Prerequisite: SPW 3030 and SPN 3501 or permission of the course instructor or department chair.

Description: This course will explore in depth a particular aspect of the literature of the Spanish-speaking world.

Repeatability: This course may be repeated for up to 9 credits with a change in subject matter.

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Undergraduate Courses

Arts & Sciences

AFS3262: African Diaspora Studies

3

Description: The African diaspora refers to communities of people descended from Africans who moved or were removed from Africa to other parts of the world, primarily the Americas, Europe, Asia, and the Middle East. This course will introduce students to the concept of the African diaspora from an interdisciplinary perspective and involve students in community based learning regarding the African diaspora as it manifests locally. No pre- or co-requisites are required.

IDS1930: Introduction to Venture Studies:

First Year Seminar

3

Introduction to Venture Studies: First Year Seminar (VSFYS) applies a VS-format to the academic teaching of discipline-specific concepts, guided by faculty within the respective discipline, and is directed toward first term students. This format emphasizes techniques for a successful transition to UNF, encourages the development of critical thinking skills through the pedagogy of Reflective Judgment, and includes an introductory community-based learning assignment. Whereas each VSFYS course has a different subject, the courses share identical methodology in their delivery.

IDS2931: Venture Studies: Community

Based Special Topics

v. 3-9

Variable Topics in Community Based Learning. This VS-formatted General Education class is open to all students. Regardless of the discipline-specific topic covered, the course continues to develop critical thinking skills through the pedagogy of Reflective Judgment and continues to apply classroom learning to real world situations through a deeper community-based learning focus.

IDS3949: Interdisciplinary Studies

Internship

v. 0-3

Prerequisite: Acceptance in cooperative education program.

Description: This course is an approved internship in a field related to the student's program of study. This course may be used to satisfy the capstone requirement for Interdisciplinary Studies majors. The course is repeatable for up to 6 credits.

IDS3951: (GW) Venture Studies Threshold

Project

v. 1-3

The Threshold Project, the third part of the Venture Studies Program, is an opportunity for students to demonstrate their facility with Reflective Judgment, the mode of intellectual engagement that underwrites the Program. Threshold Project courses will explore a significant and complex question raised within the student's Venture Studies course work or within the student's General Education experience. The project will demonstrate that the student understands the multidimensional nature of any significant question, and will point toward future study necessary to more fully understand the complexity of the question. The project is not intended to answer the question, but to explore the dimensions and implications of the question from the perspective of at least two disciplines. Students positioned at this threshold between Venture Studies and more specialized work within a major will make explicit their recognition that any seemingly complete answer to a question is always situated within the terms and limits of a discipline or a particular world view, and they are bidden to be both expert within their chosen field's terms and aware of their limits. Gordon Rule additional writing credit.

INS3951: Study Abroad Reflection and

Synthesis

1

Description: Students in this course will reflect critically upon their study abroad experiences and synthesize their learning. In doing so, they will employ tools that may include journals, blogs, social media, photography, video and essays, as agreed upon by the student, the director of the International Studies Program, and, as appropriate, the faculty study abroad leader. Student work must complement or expand upon, not duplicate, assignments otherwise required as part of any study abroad course. The

student will register for this course during the semester of their experience abroad. This course has no prerequisite, but a student must request permission from the director of the International Studies Program, after demonstrating acceptance into a study abroad experience approved by the UNF International Center. Registration is restricted to students majoring or minoring in International Studies.

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Undergraduate Courses

Mathematics & Statistics

MAA4211: (GM) Advanced Calculus I **4**

Prerequisites: MAC 2313, MAS 3105, MHF 3202 and another mathematics or statistics course with a prerequisite at or above the level of Calculus II. A two-term sequence investigating topics in analysis such as the real number system, continuity, sequences and series, differentiation, integration, Jacobians and the inverse and implicit function theorems.

MAA4212: (GM) Advanced Calculus II **3**

Prerequisites: MAC 2313, MAS 3105, MHF 3202 and another mathematics or statistics course with a prerequisite at or above the level of Calculus II. A two-term sequence investigating topics in analysis such as the real number system, continuity, sequences and series, differentiation, integration, Jacobians and the inverse and implicit function theorems.

MAA4402: (GM) Complex Analysis **3**

Prerequisite: MAC 2313 and another mathematics or statistics course with a prerequisite at or above the level of Calculus II. This course covers the complex number system, complex functions, Cauchy's Theorem, Cauchy's Integral Formula, analytic functions, meromorphic functions, contour integration, and residue theory.

MAC1101: (GM) Intensive College Algebra **4**

Prerequisite: Permission of the Department This course is designed for the student who has some knowledge of Intermediate Algebra, but who is not ready for College Algebra (MAC 1105). This course reviews key topics in Intermediate Algebra and it covers the material in College Algebra, linear functions, quadratic functions, inequalities, polynomials, exponentials, and logarithms. Students may not receive credit for this course and MAC 1105 (College Algebra) or MAC 1147 (Precalculus).

MAC1101C: (GM) Intensive College Algebra

with Recitation

4

Prerequisite: Qualifying score on math placement OR C or better in MAT1033 or equivalent.

Description: Topics include a substantial review of Intermediate Algebra concepts, linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms, and applications. Students attend four hours of lecture and one hour of recitation per week. Students may only earn credit for one of the following: MAC1105, MAC1105C, or MAC1101C. Meets the General Education requirement in Mathematics. Meets the Gordon Rule requirement.

MAC1105: (GM) College Algebra

3

Prerequisite: Qualifying score on math placement or equivalent.

Description: Topics include linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms, and applications. Students attend three hours of lecture per week. Students may only earn credit for one of the following: MAC1105, MAC1105C, or MAC1101C. Meets the General Education requirement in Mathematics. Meets the Gordon Rule requirement.

MAC1105C: (GM) College Algebra with

Recitation

3

Prerequisite: Qualifying score on math placement or equivalent.

Description: Topics include a review of Intermediate Algebra concepts, linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms, and applications. Students attend three hours of lecture and one hour of recitation per week. Students may only earn credit for one of the following: MAC1105, MAC1105C, or MAC1101C. Meets the General Education requirement in Mathematics. Meets the Gordon Rule requirement.

MAC1114: (GM) Trigonometry

2

Prerequisite: MAC 1105. This course will include the following topics: trigonometric functions and their inverses, graphing trigonometric functions, identities, complex numbers, solving

triangles, and applications of trigonometric functions. Students may not receive credit for both MAC 1114 and MAC 1147.

MAC1147: (GM) Precalculus **4**

Prerequisite: Intermediate Algebra. Topics will include linear and quadratic functions and their applications; systems of equations; inequalities, polynomials, exponentials, logarithms, trigonometric functions and their inverses and their graphs; trigonometric identities, and complex numbers. Students may not receive credit for MAC 1147 and also for MAC 1105 or MAC 1114 or MAC 1101.

MAC1991C: Exp: Intensive College Algebra **4**

Prerequisite: Qualifying score on the math placement test OR C or better in MAT1033 or equivalent.

Description: Topics include a substantial review of Intermediate Algebra concepts, linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms, and applications. Students attend four hours of lecture and one hour of recitation per week. Students may only earn credit for one of the following: MAC1105, MAC1105C, or MAC1101C. Meets the General Education requirement in Mathematics. Meets the Gordon Rule requirement.

MAC1995C: Exp: College Algebra **3**

Prerequisite: Qualifying score on the math placement test.

Description: Topics include a review of Intermediate Algebra concepts, linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms, and applications. Students attend three hours of lecture and one hour of recitation per week. Students may only earn credit for one of the following: MAC1105, MAC1105C, or MAC1101C. Meets the General Education requirement in Mathematics. Meets the Gordon Rule requirement.

MAC2233: (GM) Calculus for Business **3**

Prerequisite: MAC 1105 or MAC 1147. Topics in differential and integral calculus with applications. (This course cannot be used to satisfy upper-level degree requirements by mathematics, statistics or natural science majors).

MAC2241: (GM) Calculus for Biology **4**

Prerequisite: MAC1147 Precalculus. This course is a one-semester introduction to differential and integral calculus. Applications will emphasize biological sciences. Students cannot receive credit for this course and also for MAC2311 (Calculus I) or MAC2233 (Calculus for Business).

MAC2311: (GM) Calculus I **4**

Prerequisite: MAC 1147. This course examines the notions of limit, continuity and derivatives of functions of one variable. The course explores differentiation rules for algebraic, trigonometric, exponential and logarithmic functions. The course discusses applications of differential calculus, such as related rates problems, curve sketching, and optimization. The course also introduces students to definite and indefinite integrals and the Fundamental Theorem of Calculus. (This course cannot be used to satisfy upper-level degree requirements by mathematics, statistics or natural science majors. Students completing this course may not enroll in MAC 2233.)

MAC2312: (GM) Calculus II **4**

Prerequisite: MAC 2311 or MAC 2241. This course continues the study of definite and indefinite integrals, and the Fundamental Theorem of Calculus begun in MAC 2311. The course presents various integration techniques and their applications, convergence of sequences and series, as well as power series and Taylor series of a function of one variable. (This course cannot be used to satisfy upper-level degree requirements by mathematics, statistics or natural science majors.)

MAC2313: (GM) Calculus III **4**

Prerequisite: MAC 2312. This is the third course in calculus designed to cover calculus of functions of several variables. The course covers analytical geometry and vectors in two and three dimensions. The course covers calculus of parametric and vector-valued functions. This course introduces students to functions of several variables and then those functions are analyzed and applied using partial derivatives, differentials, directional derivatives, gradients and optimization. Additionally, the course

presents a study of multiple integrals in rectangular, polar, cylindrical and spherical coordinates.

MAD3107: (GM) Discrete Mathematics 3

Prerequisite: MAC 2312. This course provides an introduction to discrete mathematics. Topics include sets, mathematical induction, functions, relations, recurrence relations and generating functions. Introductory topics from graph theory and combinatorics will also be presented.

MAD4203: Combinatorics 3

Prerequisites: MAD 3107 or MHF 3202 or COT 3100 This course covers advanced topics in combinatorial mathematics, including counting techniques, Polya's theory of counting, coding theory, and block designs. Applications to various problems in mathematics and computing will be discussed.

MAD4301: Graph Theory 3

Prerequisites: MAD 3107 or MHF 3202 or COT 3100 Topics in this course include graph isomorphism, Eulerian and Hamiltonian graphs, minimum spanning trees, matchings and covers, connectivity, network flows, colorings, planarity, embeddings, and Ramsey theory.

MAD4401: (GM) Numerical Analysis 3

Prerequisites: MAC 2313, MAP 2302, MAS 3105 and a scientific programming language. Topics covered in this course include error analysis, numerical solutions of equations in one variable, polynomial interpolation, numerical integration, and numerical solutions of initial value problems.

MAD4505: Discrete Biomathematics 3

Prerequisites: MAD 3107 or MHF 3202 or COT 3100 This course covers mathematical aspects of biomolecular models of computation. Topics include computability, intractable problems, splicing systems, DNA codes, biomolecular automata, membrane systems, and self-assembly.

MAP2302: (GM) Ordinary Differential

Equations

3

Prerequisite: MAC 2312. The course presents a selection of topics from first-order and second-order ordinary differential equations, Laplace transform, and systems of linear equations.

MAP3170: Financial Mathematics for

Actuarial Science

3

Prerequisite: MAC 2312 This course covers the content of the joint Society of Actuaries/Casualty Actuarial Society Exam FM/2 on mathematical interest theory. Topics include amount functions, interest rates and yields, force of interest, special annuity types, bonds, yield curves, interest rate sensitivity, and an introduction to the mathematics of financial derivatives.

MAP4103: Mathematical Modeling

3

Prerequisite: MAC 2313, MAP 2302, and MAS 3105

Description: This course covers the formulation, construction, and analysis of mathematical models arising in engineering, physical sciences, biological sciences, environmental studies or social sciences.

MAP4231: (GM) Operations Research

3

Prerequisites: MAS 3105 and STA 4321. This course provides an introduction to operations research and its applications. Emphasis will be on linear programming. Applications include topics from transportation and network problems, stochastic processes, queuing theory, game theory and decision theory.

MAP4314: Dynamical Systems

3

Prerequisite: MAC 2313, MAP 2302, and MAS 3105

Description: This course covers the fundamentals of dynamical systems in (continuous time) nonlinear ODEs and in (discrete time) nonlinear maps. Topics include phase portraits, periodic points, trajectories, sources/sinks/saddles, stability, bifurcations, chaotic attractor, iteration, fixed points, and Lyapunov exponents. Applications will be drawn from biology, physics, or engineering.

MAP4341: (GM) Elementary Partial**Differential Equations****3**

Prerequisites: MAP 2302 and MAC 2313. This course introduces students to second-order linear partial differential equations (heat, wave and Laplace equations), Fourier series, separation of variables in partial differential equations, and applications.

MAS3105: (GM) Linear Algebra**4**

Prerequisite: MAC 2312. This course covers matrix algebra, Gaussian elimination, determinants, Euclidean spaces, linear transformations, eigenvalues, eigenvectors, and vector spaces.

MAS3203: (GM) Number Theory**3**

Prerequisite: MAC 2312. This course investigates properties of integers, including the division and Euclidean algorithms, prime factorization, congruences, and Diophantine equations.

MAS4156: (GM) Vector Analysis**3**

Prerequisite: MAC 2313. This course covers vector fields, curl, gradient, divergence, line and surface integrals, Green's theorem, Stokes's theorem, the divergence theorem, and physical applications.

MAS4301: (GM) Abstract Algebra I**4**

Prerequisites: MAS 3105, MHF 3202 and another mathematics or statistics course with a prerequisite at or above the level of Calculus II. An introduction to the basic concepts of abstract algebra. Topics will be selected from groups, rings, and fields.

MAS4302: Abstract Algebra II**3**

Prerequisite: MAS 4301 This is a continuation of MAS 4301 intended to continue building upon fundamental concepts of Abstract Algebra I. Topics covered include, but are not limited to, the structure of groups and their subgroups, rings, unique factorization, Euclidean domains, and fields.

MAS4900: Research Experience in

Mathematics â€“ Independent Study **2**

Co-requisite: MAS 4932

Description: Students will work with an advisor to complete their Capstone paper and presentation.

MAS4932: Capstone Experience in Mathematics **1**

Prerequisite: Senior standing, permission of the Department and a C or better in the following tracks: Mathematics Track: MAA 4211 or MAS 4301. Applied Mathematics Track: MAA 4211 or MAD 4401 Discrete Analysis Track: Two of the following: MAD 4203, MAD 4301 or MAD 4505.

Description: The instructor will determine the structure of the course, choosing among student-conducted course projects, student research, and/or seminars. The course will result in a student paper and presentation.

MAT3930: Selected Topics in Mathematical Science **v. 1-3**

Prerequisite: Permission of the department.

Description: This course will cover topics in mathematics selected by the instructor. The course may be repeated for a total of 12 credits with permission of the department.

MAT4906: Directed Individual Studies **v. 1-3**

Description: This course may be repeated for a total of 12 credits with permission of the department.

MAT4931: Special Topics in Mathematical Science **3**

Prerequisites: Permission of the department.

Description: This course will cover topics in mathematics selected by the instructor. The course may be repeated for a total of 12 credits with permission of the department.

MGF1106: (GM) Finite Mathematics **3**

Prerequisite: MAT1033.

Description: This course is primarily for non-science and non-business majors who need to fulfill the general education math requirement. It presents the study of mathematical concepts that arise in real world applications. Topics may include linear equations and inequalities, matrices and systems of linear equations, counting techniques and elementary probability, game theory with applications, logic, and mathematics of finance.

MGF1107: (GM) Explorations in Mathematics **3**

Prerequisite: MAT 1033

Description: This course is primarily for non-science and non-business majors who need to fulfill the general education math requirement. This course promotes the appreciation of applied mathematics. MGF1106 Finite Mathematics is not a prerequisite for this course. Topics may include number theory, voting theory, rates of growth, geometry, and graph theory.

MGF1113: (GM) Mathematics for Teachers I **3**

This course provides an introduction to Problem-Solving Processes, Strategies for Problem-Solving Sets and Numeration, Whole Numbers, Integers, Rational Numbers, Geometric Shapes, and Measurement and Geometry.

MHF3202: (GM) Foundation of Mathematics **4**

Prerequisite: MAC 2312

Description: This course provides a transition to higher mathematics with strong emphasis on proof writing skills. Topics include a brief introduction to logic, methods of proof, including mathematical induction, sets, countability and cardinality, functions and relations. Topics may also be chosen from calculus, number theory and abstract algebra.

MHF3404: (GM) History of Mathematics **3**

Prerequisite: MAC 2312. This course will cover the history of mathematical ideas on numbers, geometry, algebra, and calculus.

Examples of mathematical concepts will be drawn from Egyptian, Mesopotamian, Hindu, Arabic, Chinese, and European civilizations. Biographies of mathematicians also will be included.

MTG3203: (GM) Geometry for Middle

School Teachers

3

Prerequisites: 9 hours of college mathematics. This course focuses on a discovery approach to plane and solid geometry. Euclidean constructions, polygons, circles, polyhedra, tilings and symmetry will be investigated. Logical reasoning will be used to prove or disprove conjectures. This course cannot be used to fulfill a degree requirement in the Department of Mathematics and Statistics.

MTG3212: (GM) Modern Geometry

3

Prerequisite: MHF 3202 This course covers the axiom systems, models and theorems in Euclidean, neutral, non-Euclidean, and finite geometries.

MTG4302: (GM) Elementary Topology

3

Prerequisites: MAC 2313 and MHF 3202. This course provides an introduction to topological spaces, metric spaces, continuity and homeomorphisms, connectedness, and compactness.

STA2014: (GM) Elementary Statistics for

Health and Social Sciences

3

Prerequisite: MAC 1105 or MAC 1147. This course is an introduction to descriptive data analysis, probability, statistical distributions, confidence intervals, testing of hypotheses, regression, and correlation. Topics are selected to emphasize applications in health and social sciences. Technology will be integrated in this course. (Cannot be used to satisfy upper-level degree requirements by mathematics and statistics majors).

STA2023: (GM) Elementary Statistics for

Business

3

Prerequisite: MAC 1105 or MAC 1147. This course is an

introduction to descriptive data analysis, probability, statistical distributions, confidence intervals, testing of hypotheses, regression, and correlation. Topics selected to emphasize applications in a business environment. (Cannot be used to satisfy upper-level degree requirements by mathematics and statistics majors).

STA3032: (GM) Probability and Statistics for Engineers

3

Prerequisite: MAC 2312. This course is a survey of the basic concepts in probability and statistics with applications in electrical, mechanical, and civil engineering. Topics include probability, common discrete and continuous probability distributions, estimation and hypothesis testing, and simple regression. (Cannot be used to satisfy degree requirements by mathematics and statistics majors).

STA3163: (GM) Statistical Methods I

4

Prerequisite: MAC 1105 or MAC 1147 This is the first in a two-term sequence in applied statistical methods. This course focuses on descriptive and inferential statistics for means and proportions in one and two groups, simple linear regression with its diagnostics, and the one-way analysis of variance. The course incorporates technology and uses SAS for analysis of statistical data.

STA3164: (GM) Statistical Methods II

3

Prerequisite: STA 3163 This is the second in a two-term sequence in applied statistical methods. In this course, the focus is on more complex data models such as multiple regression, the higher-order analysis of variance, and logistic regression. Data analysis is carried out using the SAS program.

STA4202: (GM) Design of Experiments

3

Prerequisite: STA 2014, STA 2023, STA 3032 or STA 4321. This course is an introduction to the statistical design and analysis of experiments. Topics covered will include single factor, multi-factor, randomized block, Latin square, incomplete block, factorial, fractional factorial, and nested designs.

STA4222: Design of Sample Surveys **3**

Prerequisite: STA 4321 or STA 2014. This course is an introduction to the techniques used to conduct sample surveys. Topics covered include simple random sampling, systematic sampling and cluster sampling.

STA4321: (GM) Probability and Statistics **4**

Prerequisite: MAC 2312 or the approval of the department
Description: This course will cover basic probability principles, random variables and univariate probability distributions, moments and an introduction to moment generating functions, introduction to sampling distributions and the Central Limit Theorem, and introduction to interval estimation and hypothesis testing.

STA4322: (GM) Statistical Theory **4**

Prerequisites: MAC 2313 and STA 4321
Description: This course will cover multivariate probability distributions, dependent and independent random variables, moment generating functions, sampling distributions and the Central Limit Theorem, the theory of estimation, and the theory of hypothesis testing.

STA4502: (GM) Nonparametric Methods in Statistics **3**

Prerequisites: STA 4321, STA 2014 or STA 2023. This course studies topics such as statistical inference when the form of the parent population is unknown. The course topics include one-sample and two-sample tests based on ranks; Kolmogorov-Smirnov type tests; and rank correlations.

STA4504: (GM) Categorical Data Analysis **3**

Prerequisite: STA 3163
Description: The Categorical Data course is an introduction to the methods used to analyze data that are categorical rather than continuous in nature. The topics include description and inference using proportions and odds ratios, contingency tables, Poisson regression, logistic regression, and multi-category logit models.

STA4664: Statistical Quality Control **3**

Prerequisite: STA 2014 or STA 2023 or STA 3032 or STA 4321

Description: This course provides an introduction to the methods of statistical quality control. Topics covered include control charts, acceptance sampling, and experimental design.

STA4672: Probability Models with Applications to Actuarial Science **3**

Prerequisite: MAC 2313, MAS 3105 and either STA 4321 or STA 3032

Description: Topics will emphasize applications to actuarial science and include: frequency and severity distributions, exponential distributions and Poisson processes, aggregate loss models, Markov chain models, Brownian motion. This course is recommended for students preparing to take the Society of Actuaries/Casualty Actuarial Society Preliminary Examinations.

STA4853: Statistical Techniques for Time Series and Forecasts **3**

Prerequisite: STA 3163 or ECO 3411

Description: This course is an introduction to the analysis of time series data using time-domain techniques. It begins with simple graphical and weighted moving average analyses that yield commonly-used decompositions and forecasts. More complex autoregressive integrated moving average (ARIMA) statistical models will be developed for stationary and non-stationary series, and for regression with time-series errors. These techniques will be applied to examples in a variety of disciplines, ranging from meteorology to economics. This course is recommended for students interested in an actuarial career.

STA4906: Directed Individual Studies **v. 1-3**

Prerequisite: Variable.

Description: This course may be repeated for a total of 12 credits with permission of the department.

STA4930: Special Topics in Statistics **v. 1-3**

Prerequisite: Permission of the department.

Description: This course will cover topics in statistics selected by the instructor.

Repeatability: The course may be repeated for a total of 12 credits with permission of the department.

STA4935: Seminar in Statistics

v. 1-3

Prerequisite: Permission of the department.

Description: This course may be repeated for a total of 12 credits with permission of the department.

STA4945: Capstone Experience in Statistics

3

Prerequisite: STA 3163, STA 3164, and STA 4321

Co-requisite: STA 4322

Description: The instructor will determine the structure of the course, choosing among student-conducted course projects, student research, and/or seminars. The course will result in a student paper and presentation.

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Undergraduate Courses

Biology

BCH4024: Molecular Biology and Biochemistry **3**

Prerequisite: PCB 3023C

Description: This course offers an introductory survey of the structure, functional properties, synthesis, and degradation of amino acids, proteins, carbohydrates, lipids, and nucleic acids.

BCH4024L: Molecular Biology and Biochemistry Laboratory **1**

Prerequisite: PCB 3023C

Description: This laboratory course will introduce students to modern molecular biology and biochemistry techniques.

Course Fees: \$51.93

BOT2010C: Botany **4**

Prerequisite: BSC 1010C. This course is a study of plant anatomy, morphology, physiology, and diversity. There will be three credits lecture and one credit (3 hours) of laboratory in the course. (A laboratory fee of \$51.93 will be assessed.)

BOT3151C: Local Flora **4**

Prerequisites: BSC 1010C, BSC 1011C, and BSC 2012C. Study of the morphological features of vascular plants and practice in identification of plants. Elementary ecology of principle types of plant communities of Northeast Florida. Emphasis on native plants. Three hours lecture, two hours laboratory, two hours field work. (A laboratory fee of \$51.93 will be assessed.)

BOT3712C: Plant Systematics and Evolution **4**

Prerequisites: BSC 1010C, BSC 1011C, and BSC 2012C. In this

course students will study plant evolution, classification, and identification. Plant species concepts and breeding systems will also be studied. Comparisons will be made between traditional methods of classification and the more modern methods that utilize molecular biology and numerical taxonomy. There will be three credits lecture and one credit (4 hours) laboratory in this course. (A laboratory fee of \$51.93 will be assessed.)

BOT4404C: Marine Botany **4**

Prerequisite: BSC 2012C This course is designed to introduce students to marine plants in the pelagic open-ocean and coastal environments. Primary focus will be on the ecology, biochemistry, physiology, and life history strategies of both phytoplankton and benthic marine algal communities. (A laboratory fee of \$51.93 will be assessed.)

BOT4503C: Plant Anatomy and Physiology **4**

Prerequisites: BSC 1010C, BSC 1011C, and BSC 2012C. This course will investigate the anatomy, physiology and major biochemical pathways of the higher plants. (A laboratory fee of \$51.93 will be assessed.)

BSC1005: Principles of Biology **3**

Co-requisite: BSC1005L

Description: This course is designed to introduce students to the science of life. This survey course will cover a wide range of topics from the molecular components of the cell to the interaction of organisms with their environment. The goal of this course is to familiarize students with diverse components of life and to introduce the major areas of study within the discipline.

BSC1005L: Principles of Biology Lab **1**

Co-requisite: BSC 1005

Description: The laboratory component of this course provides students with an overview of the major topics within biology. It is designed to evoke interest, curiosity, and enthusiasm for biology. During this course students will learn to use the scientific method

and common lab procedures in order to perform biological investigations. Laboratory assignments and quizzes will be used to evaluate students'™ understanding of biological processes, laboratory techniques, and concepts presented within the laboratory.

Course Fees: \$51.93

BSC1010C: General Biology I **4**

An introduction to biology with emphasis on the cellular level. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

BSC1011C: General Biology II **4**

Prerequisite: BSC 1010C or equivalent. This course examines the evidence for evolution by common descent, the mechanisms of biological change, and the diversity, phylogenetic classification, anatomy, and physiology of organisms from microbes to plants. There will be three hours of lecture and one hour of laboratory in this course. (A laboratory fee of \$51.93 will be assessed.)

BSC1930: Current Applications in Biology **2**

In this course biological principles and research are applied to modern life. Topics will vary from semester to semester.

BSC1934: Introduction to Majors in the Biological Sciences **1**

This course is intended for first year biology majors at UNF and for students who are considering majoring in biology. You will learn about the biology department and the programs and resources we offer. This course will outline what it will take to be successful in one of the most demanding majors on campus. This course will introduce relevant university and department policies and explain how they relate to student success. You will learn about the professors in our department, the research they conduct, and the courses they teach. Lastly, you will obtain advice on your choices for coursework and plans for the future including research, internship, graduate-school planning and career opportunities.

BSC2012C: General Biology III**4**

Prerequisites: BSC1010C, BSC1011C This course is designed to introduce students to the diversity and evolution of fungi and animals and the anatomy and physiology of representative taxa. During this course we will look at the tremendous biodiversity that results from the basic building blocks described in General Biology I and II. We will conduct an overview of the major groups of fungi and animals, focusing on unique adaptations and evolutionary origin. We will then examine the development of organs and organ systems in representative groups to provide a comparative view of animal anatomy and physiology. The laboratory involves experimentation with living animals and/or dissection of preserved animals. (A laboratory fee of \$51.93 will be assessed.)

BSC2085C: Human Anatomy and Physiology I**4**

Prerequisite: BSC 1010C. This course includes units concerning the organization of the human body, support and movement, the nervous system and special senses, and the endocrine system. The laboratory involves dissection of preserved animals. (A course fee of \$51.93 will be assessed.)

BSC2086C: Human Anatomy and Physiology II**4**

Prerequisite: BSC 2085C.

Description: This course is a continuation of BSC 2085C. The course includes units concerning the cardiovascular and respiratory systems, lymphatic and immune systems, digestion and metabolism, the urinary system and fluid and electrolyte balance, and reproduction and development. The laboratory involves dissection of preserved animals. (A course fee of \$51.93 will be assessed.)

BSC2932: Pre-Medical Preparation Seminar**1**

Description: Pre-Med Seminar is a one unit course that provides an introduction to the biomedical professions by incorporating a range of experiences, including research presentations, guidance

in developing effective study habits and time management, discussions with local physicians and other biomedical professionals, information on volunteer experiences, introduction to university clubs and activities. In addition, students will read selected books, short stories, and case studies relevant to the medical field and participate in class discussions focused on the assignments.

Repeatability: This course may be repeated for a maximum of four credits.

Availability: Every semester

BSC3052: Conservation Biology **3**

Prerequisite: BSC 1010C, BSC 1011C, BSC 2012C. This course will investigate the major causes responsible for declining global biodiversity and its implications.

BSC3057: Introduction to Environmental Studies **3**

This course represents the core foundation course for the interdisciplinary Environmental Studies minor. Topics cover a broad range of environmental issues in order to lay the foundation for the understanding of complex environmental issues and the interactions between human behavior, technology, and the natural environment. Course content provides an introduction to issues of biodiversity, appreciating human impact, principles of sustainability, biotechnology, resource conservation, legal and policy issues, ethics, and ecopsychology. (This course cannot be used by biology majors to satisfy degree requirements.)

BSC3263: Marine Biology **3**

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C. This course will offer an introduction to living in a marine environment, and will focus on the delivery and special adaptations of marine fauna. The various marine ecosystems will also be discussed, and human impacts on marine systems will also be covered. This course is aimed at the biology majors who wish to learn more about organismal diversity and adaptation.

BSC3842: Writing and Analytical Skills in

Biology

1

Co-requisite: BSC 2012C

Description: This course is designed to prepare students to take Senior Seminar Practicum by having them explore potential topics of independent research (field, laboratory or library based). Students will learn how to conduct extensive literature reviews and be trained in various modes of written and oral scientific communication. Professional development training in the form of development of a curriculum vitae and discussion of application to graduate and professional schools will also be included.

BSC3943: Internship in Applied Biology

v. 0-8

Prerequisite: Permission of instructor

Description: Students, supervised by faculty, will intern for companies, agencies or other organizations in an area that reflects their career interests.

Repeatability: This course may be repeated for up to eight credits but only four credits may be used in the major elective area. Each credit hour will equal at least four hours per week of internship activity throughout the semester.

BSC4022: Biology of Aging

3

Prerequisite: PCB3023C OR PBC4713C

Description: This course will offer students an understanding of why aging occurs and the mechanisms by which aging occurs. A combination of lecture and discussion of primary papers will be used. Students will be introduced to studies using simple experimental models to approach the underlying cellular bases for age-related deterioration. In particular, the roles of mitochondria, chromosomes, nutrient signaling, and reproduction will be explored.

BSC4054: Environmental Toxicology

3

Prerequisites: CHM 2045C, CHM 2046C, BSC 1010C, BSC 1011C, and BSC 2012C. This course involves the study of toxic substances occurring in both man-made and natural environments. Subjects discussed in Environmental Toxicology will range from the effects of environmental toxins on individual

organisms to global implications of the toxicology of widely used organic and inorganic pollutants.

BSC4801C: Animal Physiology **4**

Prerequisite: BSC2012C and PCB3023C

Description: This course focuses on the functional activities and interactions of cells, tissues and organs across the Animal Kingdom. Emphasis will be given to different mechanisms that animals use to tolerate environmental extremes and how different animal groups solve similar challenges. The course includes three hours of lecture and four hours of laboratory. The laboratory involves experimentation with living animals and/or dissection of preserved animals. Course fee: \$51.93

Availability: Every Other Year

BSC4870: Biological Basis of Pharmacology **3**

Prerequisites: PCB 4713C or BSC 2086C This course focuses on the biological mechanisms of drug absorption, distribution, metabolism, excretion, and mechanisms of action with an emphasis on cellular responses to drugs. Students will learn the basic mathematical principles of pharmacokinetics and receptor binding as well as the relationship between drug concentration and effects. The mechanisms of action and side effects of the major classes of drugs will be covered as well as background information on the pathological conditions they treat.

BSC4905: Directed Independent Study in Biology **v. 0-3**

Prerequisite: Permission of instructor. Students will participate in a research investigation under the supervision of an instructor. One credit hour will require a minimum of 4 hours of research activity per week, although specific time requirements will vary with the instructor. This course may be repeated for a total of 9 credits.

BSC4921: Biology Lecture Series **1**

This course allows undergraduate students to explore current areas of biological research by listening to scientific lectures.

Seminar topics will vary on a weekly basis and will be given by guest lecturers or UNF faculty. Topics covered may include cell biology, genetics, evolution, ecology, and conservation biology.

BSC4930: Selected Topics in Biology

v. 1-4

Prerequisite: Permission of instructor. This course deals with various recent advances in biology. May be repeated for a total of 12 credits.

BSC4941: Mayo Clinic Biomedical

Research Internship

v. 0-8

Prerequisites: BSC 1010C

Description: Students will gain research training in a basic science laboratory at the Mayo Clinic Florida under the direction of a scientist at that institution. The techniques used in the basic science laboratories at the Mayo Clinic Florida include those within the fields of molecular and cell biology, genetics, and biochemistry. The completion of additional upper-level courses related to the fields of research is recommended but not required.

Repeatability: This course may be repeated for a maximum of 12 credits.

BSC4947: Senior Seminar Practicum

1

Prerequisites: BSC3842 and permission of instructor.

Description: Senior Seminar Practicum is a capstone course to be taken in the final year of the Bachelor's degree. It is the successional course to BSC3942 Writing and Analytical Skills in Biology. In this course students will conduct independent research (field, lab, or library based) and present this research in both a written and an oral format.

FAS4354: Coastal Fisheries Management

3

Prerequisite: BSC 2012C

Description: This course is designed to introduce students to quantitative fish population dynamics and the management of coastal living resources. The primary focus will be on the physical, biological, and human factors that regulate coastal fish populations, methods for estimating life history parameters,

development of quantitative models to assess fishery stocks, and understanding the implications of management decisions on fishery stakeholders.

MCB2010C: Microbiology **4**

Prerequisites: BSC 1010C and CHM 1025 and CHM 1025L

Description: The spectrum of the microbial world with emphasis on cell structure, reproduction, and physiology. Three hours lecture, four hours laboratory. Course Fee: \$51.93

MCB3020C: Microbial Biology **4**

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C, CHM 2045C and CHM 2046C. The diversity of the microbial world will be examined by characterizing requirements, growth and metabolism of representative microbes. This course will introduce microbial genetics symbiotic associations, immunology and pathogenicity. This is intended for science majors as an introductory course in microbiology. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

MCB4021C: Molecular Biology Techniques **4**

Prerequisite: PCB 3023C or by permission of the instructor This laboratory-intensive course exposes students to modern molecular biology techniques. Students will receive instruction related to recombinant DNA and protein technologies. Experimental design and data analysis will also be addressed. (A laboratory fee of \$51.93 will be assessed.)

MCB4203: Pathogenic Bacteriology **3**

Prerequisite: BSC 2012C and MCB 3020C or MCB 2010C

Description: This course will develop into the biological basis of infectious disease. It will emphasize bacterial infection, the principles of the host-parasite relationship, the pathogenic characteristics and virulence factors of microorganisms, and the various modes of action of antimicrobial agents. Three hours lecture.

MCB4503: Virology Lecture **3**

Prerequisites: PCB 3023C, MCB 2010C or MCB 3020C A structure/function approach to understanding the virus lifecycle will be used to investigate animal, bacterial, plant and insect viruses. Focus on the history of Virology, virus structure, genetics, biocontainment and current topics will assist in the understanding of the nature of viruses and unconventional agents. Three hours lecture.

OCB3108L: Field Studies in Marine Science v. 3-4

Prerequisite: BSC 1010C, BSC 1011C, CHM 2045, and CHM 2045L

Description: This is a 5-week, field intensive course designed to expand student knowledge of the biodiversity, geochemistry, and human impact of Florida's coastal and offshore ecosystems through a round-robin trip around Florida to explore marine ecosystems. This course will take students from the reefs of the Florida Keys to the open Gulf of Mexico aboard state-of-the-art research vessels, as well as the shallow tropical estuaries of the western Everglades and the temperate Estuarine and Coastal environments of Northeast Florida. Field and laboratory work will allow students to utilize current marine research methods while learning about marine environments and their organisms. Some field activities will be physically strenuous.

OCE3008: Oceanography 3

Prerequisite: BSC 2012C This course will provide an introduction to the geological, physical, chemical, and biological aspects of the ocean. The role of the ocean in the global system will also be addressed. Current topics such as sea level rise and coastal erosion impacts on marine environments surrounding Florida will be discussed.

PCB3023C: Molecular and Cell Biology 4

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C, CHM 2210, CHM 2210L. A study of cell structure and function with emphasis on the properties of intracellular organelles and their molecular constituents. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

PCB3043C: Ecology 4

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C This course will focus on the basic principles involved in the functioning of ecological systems, with special reference to the major terrestrial and aquatic ecosystems of Florida. The laboratory involves experimentation with living animals. The course includes three hours of lecture and four hours of laboratory and field work. (A laboratory fee of \$51.93 will be assessed.)

PCB3063: Genetics **3**

Prerequisite: BSC 2012C, CHM 2210 and CHM2210L

Co-requisite: PCB 3063L

Description: Principles of classical and molecular genetics will be discussed via studies of nuclear inheritance, extra-nuclear inheritance, and gene regulation.

PCB3063L: Genetics Lab **1**

Co-requisite: PCB 3063

Description: Students will conduct experiments that demonstrate the application of classical and molecular genetics techniques.

Course Fees: \$51.93

PCB4067: Molecular Basis of Inheritance **3**

Prerequisite: PCB 3063C This course will detail the molecular basis of inheritance in both prokaryotes and eukaryotes. Topics will include the structure and organization of DNA, plus DNA replication, repair, and recombination. Transcription, translation, and processing of gene products will be covered. A major emphasis will be the regulation of these molecular processes.

PCB4233: Immunology **3**

Prerequisite: PCB 3023C. Introduction to the major concepts in modern basic immunology with an emphasis on the relevant immunological mechanisms in pathogenesis of different diseases and pathological conditions. Emphasizes the transposition of basic science information into clinical problems through use of immunopathological concepts. Three hours lecture.

PCB4234: Biology of Cancer**3**

Prerequisite: Either PCB 3023C or PCB 3063C. This course will provide current information on the molecular, cellular, and genetic changes associated with cancer cells. Cellular and environmental causes of cancer will be discussed, and treatment options will be covered. Students should gain a thorough understanding of cancer at the cellular level by the conclusion of the course.

PCB4253C: Developmental Biology**4**

Prerequisites: PCB 3023C. A study of gametogenesis, fertilization, and embryogenesis at the descriptive and molecular levels and of related developmental problems such as regeneration and carcinogenesis. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

PCB4301C: Limnology**4**

Prerequisites: PCB 3043C, CHM 2045C, and CHM 2046C. This course involves the study of inland waters. The current definition of inland water includes lakes, streams, estuaries, and wetlands. Subjects include physical, chemical and biological limnology. (A laboratory fee of \$51.93 will be assessed.)

PCB4540: Genomics**3**

Prerequisite: BSC 2012C

Description: Genomics is one of the newest and most exciting fields in biology. Discoveries made in this field have far reaching implications for important topics such as the evolution of life on our planet and the genetic causes of human diseases. This course will focus on the history of genomics, the technology used to sequence and analyze genomes, and the discoveries made from investigations of genomes. This course will address questions such as what genomic comparisons reveal about the relationship between disparate animal lineages; how the genome controls the production of the phenotype; the relationship between genome complexity and phenotype complexity; the evolutionary mechanisms that control genome architecture; and the genomic underpinnings of human disease.

PCB4674: Evolution**3**

Prerequisite: PCB 3043C or PCB 3063C

Description: Evolution is the unifying theory of biology, linking fields as diverse as biochemistry and ecology, genetics and anatomy. In this course we will investigate both the wealth of evidence for evolution by common descent and the genetic and ecological mechanisms by which evolution occurs in natural populations. In addition we will cover the history of evolutionary biology from pre-Darwinism views to present day controversies, and the key events that have lead to our current understanding of the subject.

PCB4713C: Human Physiology

4

Prerequisites: PCB3023C and ZOO3733C or BSC2085C and BSC2086C

Description: This course focuses on the functional activities and interactions of human cells, tissues, and organs; with an emphasis on respiration, excitation, transport, and control mechanisms. The course includes three hours of lecture and four hours of laboratory. The lab may include experimentation with living animals and/or dissection of preserved animals.

Course Fees: \$51.93

PCB4805: Endocrinology

3

Prerequisite: PCB 3023C This course will provide and introduction to the role that hormones play in regulating vertebrate physiology with special emphasis on human systems. Students will learn about general concepts of endocrinology, as well as the relevant mechanisms that lead to endocrine disorders in humans.

PCB4843: Cellular and Molecular Neuroscience

3

Prerequisites: PCB 3023C Molec and Cell Bio or by permission of the instructor. This course is an overview of structure-function relationships in the nervous system at the molecular level. Topics include development of neurons, neuron-specific gene expression, mechanisms of neuronal plasticity in learning and memory, synaptic release, molecular biology of neurological disorders, and molecular neuropharmacology.

ZOO2203C: Invertebrate Zoology 4

Prerequisite: Zoology or equivalent This course represents a survey of the invertebrate phyla ranging from the protozoa through the lower chordata, emphasizing comparative aspects of morphology, embryology as well as ecology and distribution. This course includes experimentation with living and/or preserved animals. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

ZOO3713C: Comparative Vertebrate Anatomy 4

Prerequisites: BSC 1010C, BSC 1011C, and BSC 2012C. This course will compare the evolutionary morphology of the Chordata. The lecture will be supplemented with the laboratory dissection of representatives including the shark, mudpuppy, and cat. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

ZOO3733C: Human Structure and Function 4

Prerequisite: BSC 2012C A systematic approach will be used to study the structural and functional anatomy of the human body. Tissues, organs, and internal processes of systems (i.e. circulatory, excretory, and reproductive) will be examined in a three hour lecture. Normal and abnormal functioning of body processes and associated disorders and diseases will be discussed. Case studies will provide opportunity for integration of studied material. A corresponding four hour laboratory will accompany the lecture to provide visual anatomical identification, including dissections and microscopic slides. This course includes dissection of preserved animals. (A laboratory fee of \$51.93 will be assessed.)

ZOO4208C: Coastal Invertebrate Biology 4

Prerequisite: PCB 3043C This course will include an examination of the diversity, ecology, and evolutionary history of aquatic invertebrates in coastal habitats. Current topics such as sea level rise and pollution of aquatic habitats will be discussed. This course includes experimentation with living and/or preserved animals. (A laboratory fee of \$51.93 will be assessed.)

ZOO4234C: Parasitology **4**

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C Anatomy, physiology, life cycles, epidemiology and control of protozoan and helminth parasites that affect vertebrates. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

ZOO4407: Biology of Sharks and Rays **3**

Prerequisite: BSC 2012C

Description: This course will introduce students to the diversity, taxonomy, evolution, anatomy, physiology, and ecology of sharks, skates, and rays. Course format will include presentations by the instructor and guest lecturers, discussion of current research, and student research projects.

ZOO4454C: Ichthyology **4**

Prerequisites: BSC 1011C, BSC 2012C Ichthyology is the study of fishes. Topics covered during this course include anatomy, physiology, taxonomic diversity, life history, and ecology of fishes. Different techniques for the study of fishes will be introduced during the laboratory. The laboratory involves experimentation with living animals and/or dissection of preserved animals. (A laboratory fee of \$51.93 will be assessed.)

ZOO4462C: Herpetology **4**

Prerequisites: BSC 1010C, BSC 1011C, and BSC 2012C This course focuses on the natural history of amphibians and reptiles with emphasis on systematics and evolutionary adaptations. The course includes three hours of lecture, two hours of laboratory and two hours of field work. This course includes dissection and experimentation on live and/or preserved animals. (A laboratory fee of \$51.93 will be assessed.)

ZOO4485: Biology of Marine Mammals **3**

Prerequisites: BSC 2012C and PCB 3043C This course focuses on the biology and ecology of marine mammals, with an emphasis on understanding how marine mammals are adapted to their environment. Selected topics would include taxonomy,

zoogeography, anatomy, physiology, behavior, conservation and management of marine mammals.

ZOO4513: Animal Behavior **3**

Prerequisite: BSC 2012C

Description: This course emphasizes understanding animal behavior from an evolutionary and ecological perspective. Using a comparative approach, we will explore the basic questions of how and why animals behave in certain ways to survive, obtain resources and reproduce. Case studies, from both field and laboratory research, will be integrated throughout this course and examples will be drawn from a variety of animal groups to illustrate major concepts. Through this course learners will develop the conceptual framework to understand and appreciate the diversity and complexity of animal behavior.

ZOO4513L: Animal Behavior Laboratory **1**

Prerequisite: BSC 2012C

Co-requisite: ZOO 4513

Description: This inquiry-based laboratory course in animal behavior will build upon the complementary lecture course. Laboratory sessions will incorporate two main components. First, skill development will be achieved through pre-designed exercises in both lab and field settings. Second, the primary component of the course will be the design and implementation of a semester-long original research project. Throughout the course, students will work collaboratively in small groups to design and implement an original observational research study on an animal and question of their choice. This research project will enable students to actively apply the scientific method from hypothesis generation through data interpretation and communication of findings.

ZOO4551C: Dolphin Behavioral Ecology **4**

Prerequisite: BSC 2012C

Description: This course is a combined field- and seminar-based course that focuses on the behavior and ecology of dolphins. In addition to participating in a weekly series of seminars (lectures), students will receive hands-on experience performing boat-based field research via weekly participation in the UNF Dolphin Biology Program, which is focused on estuarine dolphins in northeast

Florida waters.

ZOO4559L: Shark Ecology

3

Description: Permission of Instructor Required. This course is a combined field-based and seminar-based course that focuses on the ecology of sharks. Students will be introduced to the general ecology of sharks by participating in research seminars, field trips, and hands-on experience performing field research on shark ecology. This will be conducted with the UNF Shark Biology Program, which examines the abundance and distribution of sharks in northeast Florida waters

ZOO4715C: Introduction to Canine

Anatomy

4

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C In this course we will study the dog as a model of mammalian anatomy. The course has obvious appeal to students pursuing studies in veterinary medicine, but those interested in other pre-professional fields will definitely benefit. The emphasis will be heavily on laboratory dissections, which are held three times a week, and will be supplemented with two lectures a week. The dissection approaches are often those taken for surgery, and many structures not located in previous courses will be found. Students will work in groups of up to four, and, to assure that all students are actively involved, dissection duties will be rotated daily within groups. (A laboratory fee of \$51.93 will be assessed.)

ZOO4752: Histology

3

Prerequisite: BSC 2012C and PCB 3023C

Description: This course focuses on the structure and function of cells comprising healthy tissues and organs. Students will learn to identify all major cell types and their functions in the human body. Lecture material will include an organ system approach to the human body including molecules to organ systems.

ZOO4823C: General Entomology

4

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C This course will investigate the taxonomy, structure, physiology and ecology of

the major evolutionary lineages of the insects. This course includes experimentation with living and/or preserved animals. (A laboratory fee of \$51.93 will be assessed.)

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Undergraduate Courses

Music

HUM3524: (FC) Great Age of Vienna

3

Description: This course is an examination of the music and art of Vienna during the 18th and 19th centuries against the cultural and social background of this city which reigned as one of the artistic centers of the world. This is a survey course taught in lecture format.

MUC2211: Music Composition I

1

Prerequisite: Permission of Instructor

Description: In this class, students will be introduced to the creative uses of musical material, traditional musical forms, development procedures and performance resources. Various short works of twentieth century composers will be used as model.

MUC2221: Music Composition II

1

Prerequisite: Successful completion of Music Composition I (MUC 2211). In this class the student will further examine the creative uses of musical material, traditional musical forms, development procedures and performance resources. Various short works of twentieth century composers will be used as models for student work.

MUC3231: Music Composition III

1

Prerequisites: Successful completion of Music Composition II (MUC 2221). In this class students will further examine the creative uses of musical material, the various possibilities of musical form, developmental procedures and performance resources. Individual projects will provide a focus for the semester's work.

MUC3232: Music Composition IV

1

Prerequisites: Successful completion of Music Composition III (MUC 3231). In this class the student will further examine the creative uses of musical material, the various possibilities of musical form, development procedures and performance resources. Individual projects will provide a focus for the semester's work.

MUC3620: Jazz Composition

3

Prerequisite: MUT 1362

Description: This course is a study of jazz composition techniques and processes employed by various successful jazz composers. Special emphasis will be placed on the analysis of works by small group composers such as Horace Silver, Herbie Hancock, Wayne Shorter, and Joe Henderson. Students will compose and perform their own original compositions throughout the semester. This course can be taken as a free elective in the B.M. Jazz Studies program of study.

MUC4241: Music Composition V

1

Prerequisite: Successful completion of Music Composition IV (MUC 3232). This class is for the advanced composition student. The emphasis at this level will be on technical excellence, musical sophistication and originality. It is expected that students in this class will work on larger, multi-movement projects. Performance of finished works on Performance Lab or in special recital is encouraged.

MUC4242: Music Composition VI

1

Prerequisite: Successful completion of Music Composition V (MUC 4241). This class is for the advanced composition student. The emphasis at this level will be on technical excellence, musical sophistication and originality. Larger individual projects will provide a focus for the semester's work. An individual composition recital is encouraged for students completing this sixth semester of study.

MUE2040: Foundations of Music Education

3

Description: This course is a survey of the music education

profession in the United States. It includes an overview of professional qualifications and responsibilities, interactions of history, law, and society with music education, and philosophical and theoretical positions in music education. Topics include fundamentals of music education curriculum, state and national standards and standards-based lesson planning. Students will observe different types of music classes in a variety of school settings to broaden the perspective of the prospective music educator.

MUE2410: Choral Techniques for Instrumentalists

1

Description: This course will develop fundamental skills for teaching choral ensembles in secondary schools. Course will focus on differences between instrumental and choral pedagogy, vocal tone production, posture, basic diction, choral repertoire, and choral rehearsal techniques.

MUE2420: World Drumming Techniques and Pedagogy

1

Description: In this course, students will learn to perform drumming styles from across a variety of nations, cultures, and ethnic groups. Students will also develop skills to teach these skills to children in K-12 school settings. Course will include focus on playing technique, selecting appropriate and authentic instruments, and social and cultural contexts of the drumming styles.

MUE2440: Violin and Viola Techniques and Pedagogy

1

Description: This course is designed to prepare music education majors to teach orchestral stringed instruments in secondary schools. Students will be expected to demonstrate basic performance proficiency on violin and viola. All aspects of strings will be covered, including method book selection, teaching techniques, instructional aids and materials.

MUE2442: Cello and String Bass

Techniques and Pedagogy

1

Description: This course is designed to prepare music education majors to teach stringed instruments in secondary schools. Students will be expected to demonstrate basic performance proficiency on cello and bass. All aspects of string instruction will be covered, including method book selection, teaching techniques, instruction aids and materials.

MUE2445: Guitar Techniques and

Pedagogy

1

Description: In this course, students will develop fundamental skills to perform on guitar, focusing on developing a repertoire of common chords and appropriate strumming techniques. Students will also develop skills to teach guitar to children in K-12 school settings. Course will include focus on fundamental guitar playing techniques, selecting appropriate instruments for classroom use, and exploring guitar as a accompanying instrument, solo instrument, and as part of an ensemble.

MUE2450: Clarinet and Saxophone

Techniques and Pedagogy

1

Description: This course is designed to prepare music education majors to teach woodwind instruments in secondary schools. Students will be expected to demonstrate basic performance proficiency on clarinet and saxophone. All aspects of woodwind instruction will be covered, including method book selection, teaching techniques, instruction aids and materials.

MUE2451: Oboe and Bassoon Techniques

and Pedagogy

1

Description: This course is designed to prepare music education majors to teach woodwind instruments in secondary schools.

Students will be expected to demonstrate basic performance proficiency on flute, oboe, and bassoon. All aspects of woodwind instruction will be covered, including method book selection, teaching techniques, instruction aids and materials.

MUE2453: Flute Techniques and Pedagogy **1**

Description: This course is designed to prepare music education majors to teach woodwind instruments in secondary schools. Students will be expected to demonstrate basic performance proficiency and teaching skills on flute. All aspects of woodwind instruction will be covered, including teaching techniques, writing music for flute, instructional aids, and materials.

MUE2460: Trumpet and Horn Techniques and Pedagogy **1**

Description: This course is designed to prepare music education majors to teach brass instruments in secondary schools. Students will be expected to demonstrate basic performance proficiency on trumpet and horn. All aspects of brass instruction will be covered, including method book selection, teaching techniques, instruction aids and materials.

MUE2463: Low Brass Techniques and Pedagogy **1**

Description: This course is designed to prepare music education majors to teach brass instruments in secondary schools. Students will be expected to demonstrate basic performance proficiency on trombone, euphonium, and tuba. All aspects of brass instruction will be covered, including method book selection, teaching techniques, instruction aids and materials.

MUE2470: Percussion Techniques **1**

Description: Percussion techniques is designed to prepare music education majors to teach percussion instruments in secondary

schools. All aspects of percussion performance and instruction will be covered, including method book selection, teaching techniques, mallet selection, instrument care and the like. Course Fee: \$35

MUE2490: Conducting Lab Ensemble

v. 0-1

The course serves as a laboratory ensemble for the benefit of students in conducting courses as well as to develop ensemble performance skills on voice, woodwinds, brass, percussion, and/or stringed instruments. Ensemble members will rehearse and perform a variety of musical literature being led by student conductors. Ensemble members will provide supportive critical assessment to aid student conductors in development of rehearsal and conducting skills. This course is repeatable for up to 8 credits.

MUE3392: Managing Music Classrooms and Program Administration

3

Prerequisite: MUE 2040

Description: This course focuses on developing skills to manage music classrooms, as well as professionalism, ethics, and the law. Students will develop teaching and classroom management skills through discussion, peer-teaching simulations, and observations. Students will discuss the assumptions they have about students, school, and learning and compare these to existing educational practices and research findings, and then read about and discuss a variety of philosophies, behavior and self-concept theories, and discipline/classroom management programs. Students develop a plan for managing a variety of music classroom types. The course ends with an examination of situations of interest to participants which include, among other issues, student safety, legal rights and responsibilities of teachers, meeting the varying needs of students as a result of student differences, and incorporation of teacher's beliefs and values.

Availability: One semester per year

MUE3481: Jazz Pedagogy

1

Prerequisites: MUE 2450, MUE 2460, MUE 2470, and MUG 3104

Description: In this course, students will develop skills to teach and administer effective instrumental jazz programs in secondary

schools. Students will develop a repertoire of appropriate literature for middle and high school musicians and develop pedagogical skills germane to the jazz idiom including listening, improvisation, and stylistic articulation and tone.

MUE3693: Technology in Music Education **2**

Description: In this course, students will learn the application of instructional design principles for the use of technology to enhance the quality of teaching and learning in the music classroom. The course includes hands-on experience with essential office applications, music notation, sequencing, and assessment software, as well as other educational media and emerging technologies. This course addresses fundamentals of MIDI and sound recording skills. Emphasis is on use of technological tools to improve classroom instruction, ethical use of social media and email communication with stakeholders and the community, and program administration.

MUE4311: Teaching Elementary Music **3**

Prerequisite: MUT2117 Theory IV AND MUG3104 Basic Conducting AND MUE3392 Managing Music Classrooms and Program Administration AND MUT2247 Advanced Aural Theory

Description: This course is designed to acquaint students with a balanced knowledge of general music curriculum. Emphasis is placed on understanding and planning a developmental sequence of musical experiences to assure the sound musical growth of students in grades K-5. Students schedules must accommodate field experiences on Thursdays from approximately 8am-3pm. This course is offered every fall term. Students must have passing scores on all portions of the Florida Department of Education General Knowledge Exam.

MUE4331: Teaching Secondary Choral Music **3**

Prerequisite: MUT2114 AND MUG3104 AND MUE3392 AND MVK2122 AND MUT2247

Description: Description: This course focuses on directing, organizing, developing, and maintaining quality choral music programs at the secondary level. Topics include conducting,

choral literature, rehearsal skills, recruitment and retention, and a balanced approach to inclusion of Florida and National standards in the classroom. Student schedules must accommodate field experiences on Thursdays within the time frame of 7:00 am and 4:30 pm. This course is offered every spring term. Students must have passing scores on all portions of the Florida Department of Education General Knowledge Exam.

MUE4332: Teaching Secondary

Instrumental Music

3

Prerequisite: MUT2117 AND MUG3104 AND MUE3392 AND MVK2122 AND MUT2241

Description: This course focuses on directing, organizing, developing, and maintaining quality instrumental music programs at the secondary level. Topics include conducting, band and orchestra literature, rehearsal skills, recruitment and retention, and a balanced approach to inclusion of Florida and National standards in the classroom. Includes field experience component in public schools. Student schedules must accommodate field experiences on Thursdays within the time frame of 7:00 am and 4:30 pm. This course is offered every spring term. Students must have passing scores on all portions of the Florida Department of Education General Knowledge Exam.

MUE4434: Musical Theater Techniques

1

Prerequisite: MUE 4331 and MVK 2122

Description: In this course students will learn about the processes, methods, and administrative responsibilities of designing and implementing effective musical theater and show choir programs as a component of a well-rounded school choral music program. Topics may include but are not limited to combining vocal music with choreography, costumes, stage sets, and theater lighting. Students will also learn to assess show choir performances using rubrics designed by the Florida Vocal Association.

MUE4480: Marching Band Techniques

1

Prerequisite: MUE2117 AND MUT2247 AND MVK2122 AND MUG3104 AND MUE3392

Description: This course deals with the presentation, examination, evaluation and practical application of standard and contemporary

marching and arranging techniques for the high school and college band director.

MUE4940: Internship in Music Education v. 8-15

Prerequisite: Completion of requirements prescribed in the COEHS Internship Handbook and consent of Music Education Advisor.

Description: This course is designed as a culminating experience in the student's major field which allows the student an opportunity to practice skills under careful observation and cooperation with a master teacher. Internship is allowable only in the major area of concentration. This course is eligible to music education majors only upon completion of requirements prescribed in the COEHS Internship Handbook.

Course Fees: \$36

MUG3104: Basic Conducting 2

Prerequisite: One year of college music theory. This is a beginning conducting course designed to develop the necessary techniques required for basic conducting. Conventional patterns, problems with the multi-metric score, and transposition are covered.

MUG4102: Conducting Intensive 3

Description: This course will focus on the score study of various compositions and integrate this knowledge with the physiological dimension of conducting. It is designed to prepare the conductor for success in multiple musical situations, and to heighten the conducting skills learned in music theory, advanced conducting courses, and real-world conducting experiences. Permission of the instructor is required. This course may be repeated up to a maximum of 12 credits.

MUG4109: Applied Conducting 2

Prerequisite: MUG 3104 and MUG 4202 or MUG 4302

Description: This course intensely focuses on the development of the gestural vocabulary of the conductor as it relates to the musical score. Course content will vary based on the experience

level and musical needs of the individual student. Permission of the instructor is required. This course may be repeated up to a maximum of 8 credits.

MUG4202: Advanced Choral Conducting **2**

Prerequisite: MUT 1112 and MUG 3104

Description: This course provides advanced study in choral conducting. This course will engage in an intensive study of the art of conducting, score preparation/analysis, and rehearsal pedagogy. Students will study conducting with emphasis on going beyond the pattern, gesture-to-sound relationship, and demonstrate knowledge of a wide range of musical forms and concepts through conducting. Additional topics may include technical studies, sight-reading and selections from masterworks. Material will be assigned based on student ability and will be chosen from a broad selection of traditional and non-traditional choral and orchestral repertoire.

MUG4241: Choral Conducting and Literature Seminar **2**

Description: This course provides additional study in conducting and literature. This course will engage in an intensive study in conducting topics, repertoire, score preparation/analysis, rehearsal techniques, resource assessments, technical studies, sight-reading and selections from masterworks. Assignments will be given based on student ability and chosen from a broad selection of traditional and non-traditional repertoire. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUG4301: Instrumental Conducting and Literature Seminar **2**

Description: The primary focus of this seminar course will be the establishment of procedures for an informed and artistic performance, while exploring/analyzing the dimension of instrumental repertoire and inherent conducting requirements and

expectations. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUG4302: Advanced Instrumental Conducting

v. 1-2

Prerequisites: MUT 1112 and MUG 3104

Description: This course will engage in an intensive study of the art of conducting, score preparation/analysis, and rehearsal techniques

Repeatability: Maybe repeated for up to 4 credit hours

MUG4401: Score Study and Preparation

v. 1-3

Prerequisite: MUG 3104 and MUG 4202 or MUG 4302

Description: This course will focus on the score study of a variety of compositions as determined by the instructor. It is designed to prepare the conductor for success in multiple musical situations, and to build upon the analytical skills learned in music theory and advanced conducting courses. Permission of the instructor is required. This course may be repeated up to a maximum of 6 credits.

MUG4701: Choral-Orchestral Masterworks

v. 1-3

Prerequisite: MUG 4202 or MUG 4302

Description: This course will provide in-depth study of repertoire from the classical choral-symphonic canon. Permission of the instructor is required. This course may be repeated up to a maximum of 6 credits.

MUH2012: Enjoyment of Music

3

An introduction to musical elements, forms, and style periods with emphasis on composers' lives, individual styles and representative works. Designed to stimulate the student's love of music and to create listening skills. Music will be studied from the Medieval through the 20th century periods.

MUH2015: American Music: Past and Present

3

This course looks at the music of America, from early blues to free jazz of the 1970's. Also, American classical composers of the 20th century and their impact will be studied.

MUH2017: The History and Appreciation of

Rock

3

A study of the origins and development of rock and roll music from rhythm and blues, country and western, to current trends in pop and rock. Aural recognition of representative recordings will be required.

MUH2018: The Evolution of Jazz

3

A historical survey of the evolution of jazz from primitive African elements through its fusion with Western hymns, work songs and military music. Various styles of jazz will be studied from Dixieland through modern/contemporary jazz forms.

MUH2501: World Music

3

This course deals with the native music of Indian Asia, China, Japan, Korea, and Africa. Students will become acquainted with the music of these countries and continents through selected musical examples and extensive listening assignments.

MUH3024: Evolution of Jazz II

3

Prerequisites: Successful completion of MUH 2018 Evolution of Jazz for Non-Music Majors Music Majors - no prerequisite This course presents an advanced study of America's "classical" music: Jazz. It is designed as a continuation of MUH 2018. In addition to presenting a detailed comparative analysis of jazz artists and literature, the course focuses on the social impact involved in the development of jazz from 1890 to the present. Unique audio and video concert footage and interviews enable an in-depth study.

MUH3055: FC - African American Musical

Heritage

3

An examination of the roles and character of music in Western

African society from the early 17th century. These traditions from which the music evolved will be traced from slavery through modern times. In doing so, a careful study will be made of field hollars, work songs, blues, spirituals, gospel and certain aspects of popular music as to their influence on the development of modern American music.

MUH3211: Music History I **3**

Prerequisite: Four semesters of music theory. The history of music from ancient times through the Classical period.

MUH3212: Music History II **3**

Prerequisite: Four semesters of music theory. The history of music from the Romantic period to the present, including an emphasis on American music.

MUH3215: Western Music History and Popular Cultures I **3**

Prerequisite: MUT 2117

Description: This course presents an overview of significant concepts from pre-19th-century Western music and compares them with similar concepts from popular music of the US and world cultures. Through this course, students will acquire familiarity with stylistic developments and major figures from the Medieval, Renaissance, Baroque, and Classical periods as well as features and performers of jazz, rock, folk, and other popular styles. The goal of this course is to think broadly and critically about music. Therefore, it will focus not only on knowledge of composers and dates, but also on concepts such as the role of the performer in society, the cultural functions of music and music performance, the development of music notation, and the idea of art music.

MUH3216: Western Music History and Popular Cultures II **3**

Prerequisite: MUH 3215

Description: This course presents an overview of significant concepts from 19th- to 21st-century Western music and compares them with similar concepts from popular music of the US and

world cultures. Through this course, students will acquire familiarity with stylistic developments and major figures from the Romantic and Modern periods as well as features and performers of jazz, rock, folk, and other popular styles. The goal of this course to think broadly and critically about music. Therefore, it will focus not only on knowledge of composers and dates, but also on concepts such as the development of music technology, the rise of program music, the purpose and meaning of avant-garde art forms, and the use of music for nationalism and protest.

MUH3373: History of the Beatles **3**

Description: This course is designed to give an in-depth look at the music, the lives, and the cultural impact of the British rock band known as The Beatles. Through online course work, examination of the twelve studio recorded albums, and the review of online media and written material published about this band, the student will become familiar with the epic saga of the legendary music and career of The Beatles. There are no prerequisites for the course and reading music is not necessary.

MUH4371: Topics in 20th Century Music

History **3**

Description: This course is a study of topics in music of the 20th century, with a focus on art music. The course will examine issues of musical style and explore the aesthetic, cultural, and social circumstances as they apply to genres of music composed during the 20th century.

MUH4633: Topics in American Music **3**

Description: This course is a study of topics in music of the United States. The course will examine issues of musical style and explore the aesthetic, cultural, and social circumstances as they apply to musical works by American composers.

MUH4664: History of Electronic Music **3**

Description: This is a survey course that introduces students to the inception and development of various electronic musical instruments, concepts, and genres primarily throughout the 20th century. From the avant-garde to popular music, students will spend time with the engineers and artists that have contributed to this field beginning in the 19th century all the way up to the present day. Additionally, students will discuss the technological and aesthetic ideas that have permanently expanded the boundaries of music. (Students taking this course should have an understanding of basic musical concepts “ pitch, rhythm, interval, etc.)

MUL2010: Introduction to Music Literature 3

Description: This course examines music and its role in culture: how it both shapes and is shaped by social, political, national, and cultural forces. Examples from art music, popular music, and world music will illustrate music’s connection to life in both historical and contemporary settings. No prior musical training or experience are required for enrollment.

MUL4400: Piano Literature I 2

The course presents standard compositions of the piano repertoire through the Classical era.

MUL4401: Piano Literature II 2

The course deals with piano repertory from the Romantic Era to the present.

MUL4420: String Chamber Music Literature 3

This course is intended to give the student a broader understanding and appreciation of string chamber music and its role, performance traditions, and development from the Classical period to the twentieth century.

MUL4434: Harp Literature 3

This course examines in detail the standard harp repertoire and its associated performance traditions.

MUL4441: Woodwind Literature

3

Description: This course will examine and evaluate solo, ensemble, and orchestral woodwind literature, including music from all available styles and periods. Emphasis will be placed on the students' primary instrument of performance. A component of this study will include knowledge of available reference books which evaluate or list solos by difficulty level, texts, and information sources. The course activities provide a comprehensive knowledge of woodwind literature, and improve the students ability to identify the quality and value of compositions for study and performance.

MUL4442: Brass Literature

3

Description: This course will examine and evaluate solo, ensemble, and orchestral brass literature, including music from all available styles and periods. Emphasis will be placed on the students' primary instrument of performance. A component of this study will include knowledge of available reference books which evaluate or list solos by difficulty level, texts, and information sources. The course activities provide a comprehensive knowledge of brass literature, and improve the students ability to identify the quality and value of compositions for study and performance.

MUL4460: Percussion Literature

3

Description: This course will examine and evaluate solo, ensemble, and orchestral percussion literature, including music from all available styles and periods. Emphasis will be placed on the students' primary instrument of performance. A component of this study will include knowledge of available reference books which evaluate or list solos by difficulty level, texts, and information sources. The course activities provide a comprehensive knowledge of percussion literature, and improve the students ability to identify the quality and value of compositions for study and performance.

MUL4550: Instrumental Literature **3**

Description: Instrumental Literature explores the rich and diverse history of instrumental repertoire, with an emphasis on its rehearsal and performance demands on the conductor.

Permission of the instructor is required.

MUL4602: Vocal Literature **2**

The course will examine the standard vocal repertoire from early Italian songs through contemporary vocal compositions. Also included will be study of French song literature, German lieder and operatic repertoire.

MUL4643: Choral Literature **3**

Description: This course serves as a survey of choral literature. Writing, research, and advanced music theory, history, style and performance practice are major components of this course.

Permission of the instructor is required.

MUM1611: Concert Recording **1**

Description: The course examines fundamentals of live recording technique and the equipment used. Microphone placement and basic operation of recording hardware and software is introduced. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble.

MUM1620: Audio and Acoustics **3**

Description: The course introduces practical approaches to the principles of audio and acoustics. It explores the physical properties of sound and its interaction in various environments and introduces techniques for controlling and manipulating those properties. Operating principles of digital and analog audio are presented, including transduction, time- and frequency-domain analysis, and sampling theory. Upon registering for this course, the student must be enrolled in an Applied Music course and a

large ensemble. Course Fee: \$30

MUM1622: Introduction to Sound

Reinforcement

1

Description: This course examines the fundamentals of signal flow in the audio chain of diverse, live musical events. Students develop an understanding of what equipment is needed and what that equipment does. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble. Course Fee: \$30

MUM1630: Introduction to Digital Audio

1

Description: Students will learn to use basic audio editing, mixing and mastering techniques, and recording equipment in order to manipulate audio to craft finished recordings.

MUM2634: Digital Audio Production

3

Prerequisite: MUM 1630

Description: This course provides in-depth study and hands-on use of digital audio hardware and software to produce music and other audio effects. The student will be required to apply informed musical judgements as a part of the audio production process. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble. Course Fee: \$30

MUM2677: Sound Reinforcement and Music Production

3

Description: The production of music requires aesthetic judgements that merge with a detailed working knowledge of digital hardware and software components. This course continues an examination of equipment for live sound reinforcement as well as studio production but also begins a comprehensive examination of the aesthetic considerations that make great music "great." Lyrics, instrumentation, balance, song structure, and effects are discussed and debated. Upon registering for this

course, the student must be enrolled in an Applied Music course and a large ensemble.

MUM2942: Music Technology Practicum **0**

Prerequisite: MUM 2677

Description: This course provides practical, hands-on experience in audio recording, live sound reinforcement, and/or audio engineering facility management. Students may assist the recording of concerts and studio sessions on campus at the discretion of the instructor. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble.

Repeatability: Course can be taken four times Course Fee: \$30

MUM3633: Max MSP **3**

Prerequisite: MUM2634

Description: This course is an introduction to the visual programming language Max/MSP/Jitter. Through hands-on experience students will learn how to use the environment for artistic purposes.

MUM3701: The Music Business **3**

This course offers students an opportunity to explore the business side of music. Items to be studied include: unions, contract writing, copyrights, laws pertaining to the music industry, the recording industry, and performing rights organizations. As appropriate, visiting guest artist from the "Great American Jazz Series" will be invited to address the class.

MUM4014: Seminar in Music Technology **2**

Prerequisite: MUM 4636 and MUM 4729

Description: This course offers students advanced individual and/or group work in music technology and audio production. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble unless those requirements have been satisfied.

Repeatability: up to four credits Course Fee: \$30

MUM4613: Music Studio Recording

Techniques

3

Description: This course will introduce students to the world of music production using music sequencing and recording software. Students will use a digital audio workstation that has a realistic graphical representation of all the instruments and effects used in a composition. They will learn how to create drum patterns, record audio, and mix and master quality sounding productions. Course Fee: \$35

MUM4636: Audio for Media Applications

3

Prerequisite: MUM 1620, MUM 2677, MUM 2634, and MUM 2942

Description: This course explores the tools, techniques and creative approaches to creating audio and designing sound for various unique applications, including films, video games, interactive media, television, commercials, and websites. Students learn how to create a product that is of use to other media-based disciplines. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble unless those requirements have been satisfied. Course Fee: \$30

MUM4729: Electronic Music Production

Techniques

3

Prerequisite: MUM 1620, MUM 2677, and MUM 2634

Description: This course explores in detail the tools and techniques used in electronic music production, including the digital audio workstation, MIDI, synthesis, sampling, loops, and artistic control of software. Students also explore divergent genres within electronic music to understand similarities and differences in both sound and production. An additional fee is associated with the course. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble unless those requirements have been satisfied.

MUM4943: Internship in Music Technology

6

Prerequisite: MUM 4636, MUM 4729, and MUM 2942

Description: This internship gives students the opportunity to work off campus or in the UNF recording studio to complete

professional projects alongside professionals in the field. Possible internships include experiences with the Jacksonville Symphony Orchestra, the Friday Musicale Series, and local radio stations. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble unless those requirements have been satisfied.

MUN2120: Concert Band (Lower)

v. 0-1

Admission is by audition of instrumental music majors and other university students. The band performs annual concerts of traditional and contemporary band literature and is required of instrumental majors. It may be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN2140: Wind Symphony

v. 0-1

Prerequisite: Permission of instructor. This Lower level Wind Ensemble performs a full spectrum of traditional and contemporary wind band literature, with performances scheduled on and off campus. This course is required of instrumental majors and may be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN2210: Orchestra

v. 0-1

Description: This course focuses on the study and performance of standard orchestral literature. Musical selections from the Baroque, Classical, Romantic, and Contemporary styles will be included for study and performance. The UNF Orchestra gives many performances throughout the year at UNF and other concert venues. May be repeated for credit up to 8 times. (A material fee of \$35 will be assessed.)

MUN2310: UNF Chorale (Lower)

v. 0-1

This mixed choral ensemble is designed to meet the ensemble requirement for classical music majors. The course is open to non-music majors. The repertoire includes music from the Renaissance to the Twentieth Century. Performances may be required. Repeated for credit up to 8 times. (A material fee of \$35 will be assessed.)

MUN2510: Collaborative Piano I

1

Description: Students will study the art of accompanying and collaboration through vocal music from the Baroque to the present day. Topics include performance practice, orchestral reductions, preparing repertoire and communication. Students will demonstrate practical understanding through collaboration with a vocalist.

Repeatability: This course may be repeated for a total of 4 credits.

Course Fees: \$35

MUN2710: Jazz Ensemble-Lower Level

v. 0-1

Prerequisite: Consent of instructor and/or audition panel through an audition. The course includes the performance of jazz repertoire through the big band medium. Music reading skills are required. There are scheduled performances on and off campus. It may be repeated for credit up to 8 times. (A material fee of \$35 will be assessed.)

MUN3103: Pep Band-Upper Level

v. 0-1

All university instrumentalists are encouraged to participate. The ensemble will perform at UNF basketball games and other important university events. May be repeated for credit up to 8 times. (A material fee of \$35 will be assessed.)

MUN3116: UNF Drumline

v. 0-1

Description: The UNF Drumline is a performing ensemble that is part of the School of Music. Maintaining a visible performance schedule on and off campus, the drumline gives live performances at events including sporting events, commencement, TV appearances, recruitment tours, and performances in conjunction with the percussion studio. This ensemble is open to students from across the university, including both music majors and non-music majors who desire to continue performing throughout college. Weekly rehearsals and regular performances that occur throughout the semester are required. Acceptance and placement in the drumline is determined by audition each semester. Instruments and materials needed are provided. Departmental

and instructor permission are required.

MUN3123: Concert Band (Upper)

v. 0-1

Admission by audition of instrumental music majors and other university students. Performs annual concerts of traditional and contemporary band literature. Required of instrumental majors. May be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN3143: Wind Symphony

v. 0-1

The Upper level Wind Ensemble performs a full spectrum of traditional and contemporary wind band literature, with performances scheduled on and off campus. This course is required of instrumental majors and may be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN3163: Brass Band

v. 0-1

Prerequisite: Instructor permission In this course the student will become familiar with classic literature for the traditional British Brass Band. This ensemble will feature up to thirty musicians and will use traditional brass band instruments in performance, including cornets, flugel horns, tenor horns, baritone horns, euphoniums, trombones, tubas and percussion. The student will be exposed to a wide selection of the literature for brass band from its' nineteenth century origins to the present, in order to gain a broad understanding of the repertory. Emphasis will be on developing the brass band's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3313: UNF Chorale (Upper)

v. 0-1

This mixed choral ensemble is designed to meet the ensemble requirement for classical music majors. The course is also open to non-music majors. The repertoire includes music from the Renaissance to the Twentieth Century. Performances may be required. May be repeated up to 8 times. (A material fee of \$35 will be assessed.)

MUN3323: Osprey Treble Chorus**v. 0-1**

Prerequisite: The student should have some prior choral experience. This choral ensemble prepares music of all styles (madrigals, spirituals, motets, show, and pop) for public performance. The course may be repeated for credit up to 8 times. (A material fee of \$35 will be assessed.)

MUN3333: UNF Men's Chorale**v. 0-1**

Prerequisite: Instructor permission The UNF Men's Chorale performs a wide range of music spanning all periods and genres. This performance-based class encourages commitment, dedication, and personal growth as musicians and performers. The Men's Chorale is open to all majors and serves as a conducting laboratory for conducting students and student composers alike. The genres of Barbershop, R & B, Doo-Wop, World Music, and Classical Music represent a cross section of musical styles. Students may join the Men's Chorale to gain further singing and reading experience prior to auditioning for the UNF Chamber Singers or UNF Chorale. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3343: Chamber Singers**v. 0-1**

Prerequisite: Audition and consent of instructor. Choral ensemble literature of various types of music (madrigals, spirituals, motets, Broadway show medleys, etc.), that will include public performances. May be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN3404: Clarinet Quartet Ensemble**v. 0-1**

Prerequisite: Instructor Permission In this course the student will become familiar with the standard clarinet quartet repertoire from a wide range of historical periods, from early Baroque to twenty-first century music. The student will be exposed to a wide selection of the literature for clarinet quartet in order to gain a broader understanding of the repertoire. Emphasis will be on developing the clarinet quartet's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3405: Clarinet Choir**v. 0-1**

Prerequisite: Instructor Permission In this course the student will become familiar with the standard clarinet choir repertoire from early to modern works. The student will be exposed to a wide selection of the literature for clarinet choir in order to gain a broader understanding of the repertoire and ensemble playing. Emphasis will be on developing the clarinet choir's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3406: Woodwind Quartet**v. 0-1**

Prerequisite: Instructor permission In this course the student will become familiar with the standard repertoire for combinations of woodwind instruments in the quartet setting from a wide range of historical periods, from early Baroque to twenty-first century music. The student will be exposed to a wide selection of the literature for woodwind quartet in order to gain a broader understanding of the repertoire. Emphasis will be on developing the woodwind quartet's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3411: String Chamber Ensemble**v. 0-1**

Prerequisite: Consent of instructor.

Description: In this course, students will study and perform a variety of music for various string chamber ensembles.

Repeatability: May be repeated for up to 8 credits.

Course Fees: \$35

MUN3413: Orchestra**v. 0-1**

Prerequisite: Consent of instructor. The course will deal with the study and performance of standard chamber music works for string ensemble. May be repeated up to 8 times. (A material fee of \$35 will be assessed.)

MUN3414: String Choir**v. 0-1**

Description: In this course, students will study and perform a variety of music within a chamber ensemble comprising themselves and other students who play the same specific string instrument.

Repeatability: This course can be re-taken up to a maximum of 8 credits

Availability: Every semester

MUN3422: Clarinet Trio Ensemble

v. 0-1

Prerequisite: Instructor Permission In this course the student will become familiar with the standard clarinet trio repertoire from a wide range of historical periods, from early Baroque to twenty-first century music. The student will be exposed to a wide selection of the literature for clarinet trio in order to gain a broader understanding of the repertory. Emphasis will be on developing the clarinet trio's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3424: Woodwind Quintet

v. 0-1

Prerequisite: Instructor permission In this course the student will become familiar with the standard repertoire for combinations of woodwind instruments in the quintet setting from a wide range of historical periods, from early Baroque to twenty-first century music. The student will be exposed to a wide selection of the literature for woodwind quintet in order to gain a broader understanding of the repertory. Emphasis will be on developing the woodwind quintet's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3426: Saxophone Quartet

v. 0-1

Prerequisite: Instructor Permission In this course the student will become familiar with the standard saxophone quartet repertoire from a wide range of historical periods, from Baroque transcriptions to contemporary art music. The student will be exposed to a wide selection of the literature for saxophone quartet

in order to gain a broader understanding of the repertory and performance techniques of the saxophone. Emphasis will be on developing the saxophone quartet's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3427: Flute Ensemble

v. 0-1

Prerequisite: Instructor Permission This course is designed for students who study and perform on the flute. A wide variety of flute ensemble music will be rehearsed and performed. The skills to be addressed in this course include sight reading, rhythm, basic musical principles, adjustment of group balance, and intonation. Students will have the opportunity to learn a variety of instruments in the flute family, including the piccolo and alto flute. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3431: Brass Chamber Ensemble

v. 0-1

Prerequisite: Instructor permission In this course the student will become familiar with standard literature for brass quartet and quintet, while exploring new works. The student will be exposed to a wide selection of the literature for brass quintet and quartet in order to gain a broad understanding of the repertory. Emphasis will be on developing the brass chamber ensemble's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3433: Brass Choir

v. 0-1

Prerequisite: Instructor permission In this course the student will become familiar with standard literature for large brass choir ensembles, while exploring new works. The student will be exposed to a wide selection of the literature for brass choir in order to gain a broad understanding of the repertory. Emphasis will be on developing the brass choir's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3438: Trumpet Ensemble**v. 0-1**

Prerequisite: Instructor permission. In this course the student will become familiar with standard literature written specifically for trumpets in an ensemble setting, while exploring new works. The student will be exposed to a wide selection of pieces for trumpet ensemble in order to gain a broad understanding of the repertory. Emphasis will be on developing the trumpet ensemble's musical and technical range and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3443: Percussion Ensemble**v. 0-1**

Prerequisite: Consent of instructor. The study and practice of ensemble literature for various combinations of percussion instruments. Public performances may be included. Required of percussion majors. May be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN3453: Piano Ensemble**v. 0-1**

Prerequisite: Consent of instructor. Students will study and perform piano duos and duets. May be repeated for credit up to 8 times. (A material fee of \$35 will be assessed.)

MUN3463: Mixed Chamber Music Ensemble**v. 0-1**

Prerequisite: Instructor Permission In this course the student will become familiar with the important chamber music repertoire for combinations of woodwind, string, brass, and keyboard instruments from a wide range of historical periods, from early Baroque to twenty-first century music. The student will be exposed to a wide selection of the literature for mixed chamber groups in order to gain a broader understanding of the repertory. Emphasis will be on developing the chamber ensemble's musical and technical range, and its potential for musical expression through rehearsals and performances. This course may be repeated up to a total of ten credits. (A material fee of \$35 will be assessed.)

MUN3483: Jazz Guitar Ensemble**v. 0-1**

Prerequisite: Enrollment by permission of instructor through audition during registration. The jazz guitar ensemble consists of 15 guitars plus a rhythm section of three. Repertoire consists primarily of big band transcriptions, with guitars replacing the horn sections. May be repeated for credit up to 6 times. (A material fee of \$35 will be assessed.)

MUN3498: Harp Ensemble

v. 0-1

Prerequisite: Permission of instructor. This course consists of applied instruction in harp ensemble. Works studied will include works for two or more harps, music for harp with other instruments (chamber music) and various orchestral excerpts. (A material fee of \$35 will be assessed.)

MUN3513: Collaborative Piano II

1

Prerequisite: MUN 2510

Description: Students will study the art of accompanying and collaboration through instrumental repertoire from the Baroque to the present day. Topics include performance practice, orchestral reductions, preparing repertoire and communication. Students will demonstrate practical understanding through collaboration with an instrumentalist.

Repeatability: May be repeated for a total of 4 credits.

Course Fees: \$35

MUN3713: Jazz Ensemble

v. 0-1

Prerequisite: Consent of instructor through audition. The performance of jazz repertoire through the big band medium. Music reading skills required. Scheduled performances on and off campus. May be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUN4462: String-Piano Sonata Class

v. 0-2

Description: This course is an intensive chamber music elective for string players and pianists, where students collaborate to produce polished performances of challenging repertoire. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate

with a final jury examination performed for a faculty panel.

Repeatability: The course may be repeated for a maximum of 8 credits.

MUN4714: Jazz Combo (Small Group)

v. 0-1

Prerequisite: Student must concurrently take applied lessons and maintain a B average in applied. Performance-oriented small group with emphasis on traditional and modern compositions and improvisation. May be repeated for credit up to 12 times. (A material fee of \$35 will be assessed.)

MUO2401: Theater Techniques for Singers

1

Description: This course is designed for vocal students to provide them with the necessary skills in preparing operatic roles for performance. This course will address the study and performance of vocal repertoire, address principles of expressive movement on stage, and explore the development of musical, dramatic, and muscular sensitivity as a necessary form of verbal and non-verbal communication.

Repeatability: This course is repeatable up to 8 credit hours.

MUO3006: Summer Musical Theater

Intensive

v. 1-6

Description: The Summer Musical Theater Intensive offers training in singing, acting and dance as related to musical theater. UNF Music Faculty will work in partnership with actors from London's West End Theatres to offer this instruction.

Repeatability: This course has variable credit from 1 to 6, for a maximum of 6 credits.

MUO3503: Opera Ensemble

v. 0-1

Prerequisite: Consent of instructor.

Description: Rehearsal and production of scenes and complete operatic works. Three hours per week.

Repeatability: May be repeated for up to 8 credits.

Course Fees: \$35

MUO3600: Opera Mainstage**0**

Prerequisite: Students must take two semesters of MUO3503 (Opera Ensemble) before taking this course.

Description: This course offers a production based curriculum, which requires participation in two rehearsals per week and performance of concerts, full opera productions, or any additional events presented by UNF Opera Mainstage each semester. Student progress will be assessed each week through musical and dramatic performance of assigned operatic repertoire. Each semester's commitment will culminate with a final performance of complete opera production, or selected concert repertoire, and will be graded by the supervising faculty. Permission of the instructor is required to register for this course.

MUR3302: Liturgical Planning: Music and Ritual**3**

Description: This course introduces the history, theology, and practice of liturgy. Special attention will be given to the function of music within classic liturgical patterns as well as contemporary models of worship so that students will learn to plan, implement, and critically evaluate liturgical structures and the use of music in various contexts. Emphasis will be placed on developing worship services that are grounded in a student's faith background while informed by liturgical history, sacred text, cultural context, modern practice, and musical experience.

Availability: Every other year.

MUR3721: Congregational Song**2**

Description: This course is a survey of the history, theology, and practice of congregational songs from Western and non-Western traditions. Special attention will be given to recent developments in congregational song practices in the United States and around the world by analyzing resources such as hymnals, songbooks, collections, and online databases. Upon completion of this course, students will understand the theology of song texts, be able to teach and lead different styles of song in various congregational contexts, and have learned strategies and tools for selecting

congregational song appropriate to each student's worship and faith tradition.

Availability: Every other year

MUR3802: Sacred Music Leadership and Administration

3

Description: This course examines issues related to music employment and leadership within faith communities today. Topics include employment search, budget management, music property and materials, staff relations, church leadership structures and politics, interpersonal skills and communication, visioning and goal-setting, recruiting and training volunteers, church ensembles and programming, community outreach, concert series, publicity, professional organizations, multi-media, and ethical and legal issues.

Availability: One semester per year.

MUS1010: Performance Laboratory

0

Prerequisite: Must be music major. A weekly forum in which students will perform for each other and exchange critiques with the music faculty and other music students. To be taken with applied music study. May be repeated up to 8 times (no credit given).

MUS1011: Concert Attendance

0

The Concert Attendance course is designed to expand and integrate the individual student's musicianship, technical ability, artistic personality, and sense of responsibility. The student's knowledge of music history and styles beyond the area of specialization will be enhanced by attendance at a variety of concerts. This non-credit course is required for all music majors and is repeatable up to eight times. Music majors are required to pass eight semesters of this course as an essential requirement of all music degree programs.

MUS2221: French Diction

1

Prerequisite: Consent of instructor. This course deals with diction in singing French vocal works.

MUS2231: German Diction **1**

Prerequisite: Consent of instructor. This course deals with diction in singing German vocal works.

MUS2241: Italian Diction **1**

Prerequisite: Consent of instructor. This course deals with diction in singing Italian vocal works.

MUS3340: Computer MIDI Score **2**

This course will familiarize the student with the principles of the Musical Instrument Digital Interface and its application to scoring programs. In addition, the student will learn basic computer technological applications.(A material fee of \$35 will be assessed.)

MUS3930: Special Topics in Music **v. 1-3**

May be repeated up to 30 credits.

MUS3931: Eminent Scholars Seminar **v. 1-3**

May be repeated up to 10 credits.

MUS4803: Body Mapping **1**

Description: This course teaches students to understand how the body moves and develop the necessary awareness to prevent pain and injury and promote freedom and ease when playing.

MUS4905: Directed Individual Studies **v. 1-3**

A maximum of 15 credits may be accumulated in directed individual studies.

MUS4970: Senior Recital **0**

Prerequisites: Seven semesters of applied music study in the concentration or major, or the equivalent. This non credit course

tracks the mandatory senior recital requirement. Music majors are required to present a senior recital during the last semester of the applied music degree.

MUT1011: Fundamentals of Music **3**

The materials of Music: rhythm, melody, tempo, dynamics, harmony, texture, tonality, timbre, form, style, mood. Selected skills in music: listening, singing, reading, playing instruments.

MUT1111: Theory I **3**

Corequisite: MUT1241. The course consists of an introduction to the basics of music theory and the techniques and concepts of voice leading as practiced during the common practice period.

MUT1112: Theory II **3**

Prerequisite: MUT 1111. *Corequisite:* MUT1242. The course consists of a continuation of the basics of music theory and the techniques and concepts of voice leading as practiced during the common practice period.

MUT1241: Theory I, Aural **1**

Corequisite: MUT1111. This is a beginning course designed to help the student develop abilities to recognize, write and reproduce music they see or hear. Emphasis will be on simple major and minor scales, primary chords and their inversions, simple melodic intervals, and simple duple and compound duple meters.

MUT1242: Theory II, Aural **1**

Prerequisite: MUT 1241 or permission of instructor. *Corequisite:* MUT1112. This is a continuation of Theory I, Aural. It includes stepwise fragments from major and minor scales, inversions of primary chords with non-chord tones, melodies with chromatic non-chord tones, duple and triple groupings and basic syncopation.

MUT1361: Jazz Fundamentals I **2**

This course is an introduction to the study of jazz theory. Students will study intervals, 7th chords, major scale derived modes, 13th chords, chord/scale relationships, chord symbols and basic chord progression.

MUT1362: Jazz Fundamentals II **2**

Prerequisite: MUT 1361. This course is a continuation of MUT 1361. Students will study melodic minor derived modes, whole tone scales, bebop scales, advanced chord/scale relationships, and ploychords.

MUT2116: Theory III **3**

Prerequisites: MUT 1111 and MUT 1112. *Corequisite:* MUT2246. The course consists of a continuation of skills learned in first-year theory and an introduction to the techniques and skills required to analyze and write music with chromatic harmony.

MUT2117: Theory IV **3**

Prerequisites: MUT 1111, MUT 1112 and MUT 2116. *Corequisite:* MUT2247. The course consists of a continuation of the techniques and skills required to analyze and write music with chromatic harmony. Also included is the study of orchestration.

MUT2246: Advanced Aural Theory **1**

Prerequisites: MUT 1241 and MUT 1242 or permission of instructor. *Corequisite:* MUT 2116. This is a continuation of Theory II, Aural. It includes diatonic chord progression with inversions, melodies with skips, chromatic non-chord tones, modulations to closely related keys, and simple meters with various note values as basic beat.

MUT2247: Advanced Aural Theory **1**

Prerequisites: MUT 1241, MUT 1242 and MUT 2246 or permission of instructor. *Corequisite:* MUT 2117. This course is a continuation of Aural Theory, Advanced (MUT 2246). It includes stepwise progressions with large skips, triadic outlines through secondary dominants, incomplete non-chord tones, rhythm patterns with different note values as basic beats, syncopation

between and within the beat.

MUT2641: Jazz Improvisation I **2**

Prerequisite: MUT 1361 and MUT 1362 with B average and scale audition. Beginning level in learning the art of jazz improvisation. Improvisation of modal tunes and over the IIm7-V7 progression in all major keys.

MUT2642: Jazz Improvisation II **2**

Prerequisite: Grade of B or above in MUT 2641. Continuation of Improvisation I. Presentation of tunes with more difficult harmonic construction and introduction of minor II-Vs.

MUT3611: Form and Analysis **3**

Prerequisite: MUT 2117.

Description: Analysis of musical forms in western music.

MUT3631: Tonal Improvisation **1**

Description: This course is geared toward developing musicianship through improvisation within the context of tonal musical idioms, with focus on classical and folk music genres. This course is designed for non-jazz music majors who may have limited experience improvising as classically trained instrumentalists. Seeking to incite spontaneous musical expression, analogous with conversation in spoken language, this course encourages creative and meaningful music-making by developing a comprehensive understanding of melody, harmony, and rhythm within a tonal music context by connecting aural skills with instrumental techniques. Curriculum includes an approach to improvisation through a seven-step process. Students will perform individually and together in class, and will create several musical arrangements written with music notation software. This course is restricted to students in the School of Music. This is an elective course. Permission of the instructor is required.

MUT3643: Jazz Improvisation III **2**

Prerequisite: Grade of B or above in MUT 2642 and scale

audition. Advanced techniques and practices of jazz improvisation.

MUT3644: Jazz Improvisation IV **2**

Prerequisite: Grade of B or above in MUT 3643. Continuation of Jazz Improvisation III and advanced skills and techniques of jazz improvisation.

MUT3648: Vocal Improvisation/Piano III **3**

Prerequisites: MUT 2117; MUT 2641 and MUT 2642; MVK 1111 and MVK 1112. This course is designed to give vocal jazz majors advanced training in improv as well as intermediate piano skills.

MUT3649: Vocal Improvisation/Piano IV **3**

Prerequisite: MUT 3648. This course continues the improv and piano skills from Vocal Improv/Piano III.

MUT3651: Classical Harmony **3**

Description: This course explores the harmonic principles of the Classical or "galant" style of 18th-century Western music, as well as their continued influence on musical styles of the 19th and 20th centuries. Through exercises in composition and analysis, students will learn about the generative role of harmony in the creation of original music. This course may be taken by non-music majors who have some background in music theory and would like to develop their understanding of the subject further, as well as by music majors who would like to develop their music theory knowledge beyond their required music theory coursework. Permission of the instructor is required to register for this course.

MUT4311: Orchestration **3**

Prerequisite: MUT 2117

Description: An examination of the instruments of the symphony orchestra and wind ensemble. Includes analysis and scoring techniques.

MUT4365: Jazz Arranging I **3**

Prerequisite: Grade of B or above in MUT 1361 and MUT 1362. Students will focus on writing two-part, three-part and four-part arrangements for traditional jazz instrumentations. Items to be stressed include transposition, calligraphy, instrumental ranges and characteristics, professional chart lay-out, scale re-harmonization, and writing for the rhythm section.

MUT4366: Jazz Arranging II **3**

Prerequisite: MUT 4365. This course emphasizes writing and composing for a full jazz band of 17 or more musicians. It's main focus is section writing techniques such as unison, block, drop-two, and pad voicing. Also included is analysis of works by major jazz writers. The term will conclude with a performance of each student's complete big-band arrangement with score and parts.

MUT4369: Jazz Arranging III **3**

Prerequisite: MUT 4366

Description: This course is a study of advanced techniques employed by various successful jazz arrangers and composers. Special emphasis will be placed on writing for conventional and non-conventional jazz ensembles. Students will be assigned several arranging projects throughout the semester. The term concludes with a performance of each student's final arranging project. This course can be taken as a free elective in the B.M. Jazz Studies program of study.

MUT4421: 18th Century Counterpoint **3**

Prerequisite: MUT 2117

Description: An intensive study of the contrapuntal styles of the baroque masters. Includes analysis and synthesis.

MUT4564: Nineteenth-Century Chromatic Harmony **3**

Prerequisite: MUT 2117

Description: This course is an intensive study of chromatic harmony and voice leading in music from the nineteenth and early-twentieth centuries. Students will analyze works in a variety

of genres that are characteristic of this stylistic epoch. Also, students will write model compositions in which they emulate the harmonic techniques studied in this course.

MUT4626: 20th Century Music Theory 3

Prerequisite: MUT 2117

Description: A study of 20th century compositional techniques. Includes analysis and synthesis.

MUT4650: Composition and Improvisation 2

This course will include both imitative and original composition as well as experimental and nontraditional styles. In addition, students will be given assignments in improvisation.

MUT4663: Jazz Styles and Analysis I 2

Prerequisite: Grade of B or above in MUT 1361 and MUT 1362. A study of jazz styles from the New Orleans era to the "Cool" era. Includes analysis of transcribed solos as recorded by major artists.

MUT4664: Jazz Styles and Analysis II 2

Prerequisite: MUT 4663 or permission of instructor. A study of jazz styles from hard bop to the present. Includes analysis of transcribed solos as recorded by major artists.

MVB1311: Applied Trumpet 2

Prerequisite: Consent of instructor. Individual instruction in trumpet. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB1312: Applied French Horn I 2

Prerequisite: Consent of instructor. Individual instruction in French horn. Private lesson and performance laboratory weekly. May be repeated twice for a total of 4 credits.

MVB1313: Applied Trombone 2

Prerequisite: Consent of instructor. Individual instruction in trombone. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB1314: Applied Euphonium **2**

Prerequisite: Consent of instructor. Individual instruction in euphonium. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB1315: Applied Tuba **2**

Prerequisite: Consent of instructor. Individual instruction in tuba. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB2321: Applied Trumpet **2**

Prerequisite: Consent of instructor. Individual instruction in trumpet. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB2322: Applied French Horn II **2**

Prerequisite: Consent of instructor. Individual instruction in French horn. Private lesson and performance laboratory weekly. May be repeated twice for a total of 4 credits.

MVB2323: Applied Trombone **2**

Prerequisite: Consent of instructor. Individual instruction in trombone. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB2324: Applied Euphonium **2**

Prerequisite: Consent of instructor. Individual instruction in euphonium. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB2325: Applied Tuba **2**

Prerequisite: Consent of instructor. Individual instruction in tuba.

Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB3331: Applied Trumpet **2**

Prerequisite: Consent of instructor. Individual instruction in trumpet. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB3332: Applied French Horn III **2**

Prerequisite: Consent of instructor. Individual instruction in French horn. Private lesson and performance laboratory weekly. May be repeated twice for a total of 4 credits.

MVB3333: Applied Trombone **2**

Prerequisite: Consent of instructor. Individual instruction in trombone. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB3334: Applied Euphonium **2**

Prerequisite: Consent of instructor. This course consists of individual instruction in euphonium with a private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB3335: Applied Tuba **2**

Prerequisite: Consent of instructor. Individual instruction in tuba. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVB4341: Applied Trumpet **2**

Prerequisite: Consent of instructor. Individual instruction in trumpet. Private lesson and performance laboratory weekly. May be repeated for a total of 8 credits.

MVB4342: Applied French Horn IV **2**

Prerequisite: Consent of instructor. Individual instruction in

French horn. Private lesson and performance laboratory weekly.
May be repeated up to 4 times for a total of 8 credits.

MVB4343: Applied Trombone **2**

Prerequisite: Consent of instructor. Individual instruction in trombone. Private lesson and performance laboratory weekly.
May be repeated up to 3 times for a total of 8 credits.

MVB4344: Applied Euphonium **2**

Prerequisite: Consent of instructor. Individual instruction in euphonium. Private lesson and performance laboratory weekly.
May be repeated up to 3 times for a total of 8 credits.

MVB4345: Applied Tuba **2**

Prerequisite: Consent of instructor. Individual instruction in tuba. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

MVB4640: Brass Pedagogy **3**

Description: This course is designed to provide students with an advanced understanding of teaching and performance techniques for brass instruments. Students will be provided with pedagogical knowledge of private brass instrument teaching including student motivation, tone production, technique, articulations, transpositions, and a survey of literature. Topics include the historical development of brass instruments, repertory and pedagogy, the study of pedagogical literature, and the proper performance practices for each historical period and genre studied.

MVJ1010: Jazz Piano I **1**

Prerequisite: Music major or consent of the instructor.
Corequisite: MUT 1361. This course is designed for music majors who approach piano as a secondary instrument. The student will study basic jazz piano skills with emphasis on block chords, shell voicings, diatonic 7th chords, cycle progressions, and II-V-I's in major and minor keys.

MVJ1016: Applied Jazz Saxophone I **2**

Prerequisite: Consent of instructor and admission to Music department.

Description: This course teaches jazz improvisation via the saxophone. Concepts such as mental practice are stressed. Also the inherent multicultural aspect of jazz comes to the foreground. Students are taught to examine all cultures for fresh musical devices, understanding that old material can be used in new settings and that knowledge is ageless. The basic tools of jazz improvisation and harmony are taught and are built upon in the successive levels of this course.

Repeatability: This course is repeatable one time for a total of 4 credit hours.

MVJ1018: Applied Jazz Trombone I **2**

Description: This course provides individual study in jazz trombone. Students will study jazz vocabulary with emphasis on major and minor scales, diatonic triads and seventh chords, the ii-V-I progression, and solo transcriptions. Additional topics may include technical studies, etudes, and sight reading. Repertoire will be assigned based on the student's ability and will be chosen from a broad selection of jazz standards.

Repeatability: This course may be repeated for up to 4 credit hours.

MVJ1210: Jazz Piano II **1**

Prerequisites: MVJ 1010, music major or consent of instructor.

Corequisite: MUT 1362. This course is a continuation of Jazz Piano I and is designed for music majors who approach piano as a secondary instrument. The student will study advanced jazz piano skills with emphasis on II-V-I progressions, I-IV cycle progressions, modal voicings, tri-tone substitutions, and polychordal II-V-I's.

MVJ1318: Applied Jazz Bass I **2**

Prerequisite: Consent of instructor and admission to Music department.

Description: This course teaches the first level in the sequence of

jazz bass performance. For this course emphasis is placed on basic functionality of the instrument. This includes a thorough tutorial of scales, modes, and arpeggios, along with basic technical instruction on the instrument itself. The skills developed in this course are then expanded upon and enhanced in subsequent levels of this course.

Repeatability: This course is repeatable one time for a total of 4 credit hours.

MVJ1319: Applied Set Drums **2**

Prerequisite: Consent of instructor. Individual instruction in set drums. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVJ1743: Jazz Guitar Master Class I **2**

Prerequisite: Permission of instructor through audition during registration. The Jazz Guitar Master Class consists of theoretical concepts and how to apply them to the guitar. May be repeated for a total of 4 credits.

MVJ2228: Applied Jazz Trombone II **2**

Description: This course provides individual study in jazz trombone. Students will study jazz vocabulary with emphasis on bebop scales, diminished scales, whole tone scales, the ii-V-I progression, and solo transcriptions. Additional topics may include technical studies, etudes, and sight reading. Repertoire will be assigned based on the student's ability and will be chosen from a broad selection of jazz standards.

Repeatability: This course may be repeated for up to 4 credit hours.

MVJ2326: Applied Jazz Saxophone II **2**

Prerequisite: Successful completion of MVJ 1016, or consent of instructor

Description: This course teaches jazz improvisation via the saxophone. Dorian, Melodic Minor, Diminished Scales, Pentatonic and interchangeable tetra chords are studied along with their application. Compositions of Dizzy Gillespie and Benny Golson

are studied for specific harmonic issues.

Repeatability: This course is repeatable one time for a total of 4 credit hours.

MVJ2328: Applied Jazz Bass II **2**

Prerequisite: Successful completion of two semesters of MVJ 1318 or instructor consent.

Description: This course teaches the second level of jazz bass performance. For this course emphasis is placed on the function of the bass in an ensemble environment. This includes instruction on 'walking' bass lines and sight-reading. Influential bass players including Ray Brown, Paul Chambers, and Ron Carter are studied and analyzed. The skills developed in this course are then expanded upon and enhanced in subsequent levels of this course.

Repeatability: This course is repeatable one time for a total of 4 credit hours.

MVJ2329: Applied Set Drums **2**

Prerequisite: Consent of instructor. Individual instruction in set drums. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVJ3238: Applied Jazz Trombone III **2**

Description: This course provides individual study in jazz trombone. Students will study jazz vocabulary with emphasis on modes of the melodic minor scale, pentatonic scales, upper structure triads and triad pairs, and solo transcriptions. Additional topics may include technical studies, etudes, and sight reading. Repertoire will be assigned based on the student's ability and will be chosen from a broad selection of jazz standards and modern jazz compositions.

Repeatability: This course may be repeated for up to 4 credit hours.

MVJ3338: Applied Jazz Bass III **2**

Prerequisite: Successful completion of two semesters of MVJ 2328 or instructor consent.

Description: For this course emphasis is placed on the solo

potential of the bass. The great bass soloists throughout jazz history are studied and analyzed, including Jimmy Blanton, Scott LaFaro, and Eddie Gomez. The skills developed in this course are then expanded upon and enhanced in subsequent levels of this class.

Repeatability: This course is repeatable one time for a total of 4 credit hours.

MVJ3339: Applied Set Drums **2**

Prerequisite: Consent of instructor. Individual instruction in set drums. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVJ3436: Applied Jazz Saxophone III **2**

Prerequisite: Successful completion of MVJ 2326 or consent of instructor.

Description: This course teaches jazz improvisation via the saxophone. Additionally, it stresses the team player concept, the idea that the soloist interacts with a rhythm section and must learn to be confident in that environment. Compositions in the Bebop style are studied and compared to more melodic songs, the former for jazz lines and the latter for its melodic content. Piano chord voicings are studied to gain greater harmonic awareness.

Repeatability: This course is repeatable one time for a total of 4 credit hours.

MVJ3531: Applied Jazz Improvisation **2**

Description: Students in this course take lessons in jazz improvisation on a specific instrument or voice. The course features an introduction to the basic principles of jazz improvisation through demonstrations by the instructor and through exercises in listening, writing, and performing. Students complete assignments using traditional methods and the tools of music technology. This course is restricted to students in the School of Music. Permission of the instructor is required. This course is repeatable for up to 8 credits.

MVJ4346: Applied Jazz Saxophone IV **2**

Prerequisite: Successful completion of MVJ 3436 or consent of instructor.

Description: This course teaches jazz improvisation via the saxophone. This is the highest level of Jazz Saxophone with an emphasis on performance and recital preparation. The student composes original pieces of music in conjunction with a variety of materials that bring cultural diversity into the class. This course represents a culmination of three years of study in this sequence.

Repeatability: This course is repeatable one time for a total of 4 credits.

MVJ4347: Applied Jazz Trombone IV

2

Description: This course provides individual study in jazz trombone. Students will study jazz vocabulary with emphasis on non-functional harmony. Additional topics may include technical studies, etudes, and sight reading. Repertoire will be assigned based on the student's ability and will be chosen from a broad selection of modern jazz compositions by Herbie Hancock, Wayne Shorter, Joe Henderson, and others.

Repeatability: This course may be repeated for up to 4 credit hours.

MVJ4348: Applied Jazz Bass IV

2

Prerequisite: Successful completion of two semesters of MVJ 3338 or instructor consent.

Description: This course teaches the fourth and final level of jazz bass performance. For this course, advanced concepts for the bass are introduced, including the revolutionary teachings of Jaco Pastorius and Victor Wooten. Also, the compositions of advanced jazz composers such as Herbie Hancock and Wayne Shorter are studied and analyzed. This allows the student to experience a broad palette of styles and content designed to enhance the creative process.

Repeatability: This course is repeatable three times for a total of 8 credit hours.

MVJ4349: Applied Set Drums

2

Prerequisite: Consent of instructor. Individual instruction in set drums. Private lesson and performance laboratory weekly. May be

repeated up to 3 times for a total of 8 credits.

MVK1111: Class Piano I **1**

Fundamentals of piano. One class hour per week. May be repeated for a total of 2 credits.

MVK1112: Class Piano II **1**

Continuation of MVK 1111. Fundamentals of piano. One hour class per week. May be repeated for a total of 2 credits.

MVK1311: Applied Piano **2**

Prerequisite: Consent of instructor. Individual instruction in applied music in piano. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVK1313: Applied Organ **2**

Prerequisite: Consent of instructor. Individual instruction in applied music in organ. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVK2021L: Piano Elective for Non-Majors **1**

Prerequisite: Instructor permission

Description: This course provides non-required individual piano study for undergraduate students from all majors. This course is available to students of all levels of musical ability, with instructor permission. Topics covered may include piano technique, etudes, repertoire, sight-reading, and piano accompaniment. Piano literature covered will include a broad range of styles and genres.

Repeatability: This course may be repeated up to a total of ten credits.

Course Fees: \$35

MVK2121: Class Piano III **1**

Continuation of MVK 1112. Fundamentals of piano. One hour class per week. May be repeated for a total of 4 credits.

MVK2122: Class Piano IV **1**

Continuation of MVK 2121. Fundamentals of piano. One hour class per week. May be repeated for a total of 4 credits.

MVK2321: Applied Piano **2**

Prerequisite: Consent of instructor. Individual instruction in applied music in piano. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVK2323: Applied Organ **2**

Prerequisite: Consent of instructor. Individual instruction in applied music in organ. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVK2750: Piano Studio Class **0**

Co-requisite: one of MVK1311 (Applied Piano), MVK2321 (Applied Piano), MVK3331 (Applied Piano), or MVK4341 (Applied Piano).

Description: This weekly performance class provides participants with an opportunity to sharpen their performance skills and to practice performing in front of an audience of their peers and applied piano instructors. Students will observe and analyze performances, and will make suggestions to help improve subsequent performances. The course will also include, as time permits, an examination of famous and historic pianists, presentations related to career development, and masterclasses by visiting artists.

MVK3331: Applied Piano **2**

Prerequisite: Consent of instructor. Individual instruction in applied music in piano. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVK3333: Applied Organ **2**

Prerequisite: Consent of instructor. Individual instruction in applied music in organ. Private lesson and performance

laboratory weekly. May be repeated for a total of 4 credits.

MVK3631: Elementary Piano Pedagogy **3**

Description: This course includes a basic study of concepts necessary for successful private teaching at the elementary level and the principles of learning as applied to piano teaching. Various techniques for teaching pre-schoolers, older pre-college level students and adult beginning students will be examined and critiqued. Current method books with a variety of reading approaches will be considered. The emphasis will be on the specifics of teaching rhythm, note reading, keyboard technique, and the common problems associated with students in the first two years of study. This course may incorporate observing and/or assisting in the instruction of elementary piano lessons.

MVK3632: Intermediate Piano Pedagogy **3**

Prerequisite: MVK 3631

Description: This course is designed to prepare pedagogy students for teaching intermediate-level piano students through a study of technical concepts, teaching materials and methods, and appropriate literature from the historical style periods. The discussion of theory-based instruction and musicianship classes will be continued. Instruction includes an analytical study of the problems associated with transfer students: the appropriate techniques for confronting areas of deficiency with an emphasis upon solo literature as well as ensemble music for one, two or multiple pianos, and an examination of music instruction software, including accompanying compact discs, MIDI discs, theory computer programs, and music instruction videos. Alternative literature, including both solo and ensemble works by contemporary composers in the jazz/rock or Romantic styles will be examined. This course may incorporate observing and/or assisting in the instruction of intermediate-level piano lessons.

MVK3702: Choral Accompanying **1**

Prerequisite: MVK 2122

Description: In this course, students will develop skills to accompany choral and vocal groups on piano and other keyboard instruments. Students will read and analyze choral scores and

develop skills to lead choral groups while performing on keyboard instruments. Students will develop and be able to perform a repertoire of representative choral literature appropriate for choral ensembles and musical theater.

MVK4241: Piano Elective

v. 1-2

Description: This course provides elective individual piano study. Music majors seeking secondary instrument emphasis and non-music majors pursuing elective piano instruction are both eligible for this course. Topics covered may include piano technique, etudes, repertoire, sight reading, and functional piano skills. Piano literature covered will include a broad range of styles and genres. This course may be taken for 1 or 2 credit hours.

Repeatability: This course may be repeated for up to a total of 10 credits.

Course Fees: \$35

MVK4341: Applied Piano

2

Prerequisite: Consent of instructor. Individual instruction in applied music in piano. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

MVK4343: Applied Organ

2

Prerequisite: Consent of instructor. Individual instruction in applied music in organ. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVK4603: Pedagogy of Group Piano

v. 1-3

Description: This course encompasses the methodology of group piano teaching and a survey of materials for beginning through intermediate study in group keyboard teaching. Class projects include an evaluation of texts suitable for young beginners, adult classes and college courses in group piano instruction. The focus will be on issues of pacing in classroom teaching, curriculum building, need for supplementary material, and technical aspects such as rhythm drills, keyboard theory activities, and the use of exercises and etudes. Attendance on selected class days of UNF

Class Piano I and III or Group Piano for Non-Majors will be required, and will lead to practice teaching of group lesson content.

MVK4641: Advanced Piano Pedagogy

3

Prerequisite: MVK 3631 or MVK 4603

Description: This course is designed to prepare future piano teachers to instruct advanced-level pre-college students. The primary focus will be on teaching methods, materials and concepts for the advanced student. Instructional focus will be on scales, arpeggios and technical etudes necessary to develop and maintain keyboard facility and the practice techniques employed to tackle advanced-level literature. The characteristics of Baroque, Classical, Romantic, and Contemporary styles relating to standard piano literature will be studied, as well as the major composers of solo, ensemble and concerto piano literature. This course may incorporate observing and/or assisting in the instruction of advanced-level piano lessons.

MVK4941: Internship in Piano Pedagogy I

2

Description: This course is designed to give pedagogy students practical experience in the teaching of children's musicianship classes and private piano lessons under faculty supervision. The focus will be on beginning-level through intermediate-level pre-college students.

MVK4942: Internship in Piano Pedagogy II

2

Prerequisite: MVK 4941

Description: This course is a continuation of Internship in Piano Pedagogy I and is designed to give pedagogy students practical experience in the teaching of children's musicianship classes and private piano lessons under faculty supervision. The focus will be on intermediate-level through advanced pre-college students.

MVP1311: Applied Percussion

2

Prerequisite: Consent of instructor. Individual instruction in percussion instruments. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVP2321: Applied Percussion**v. 1-2**

Prerequisite: Consent of instructor.

Description: Individual instruction in percussion instruments.

Private lesson and performance laboratory weekly. Repeatability:

May be repeated for a total of 4 credits.

MVP2323: Applied Timpani**1**

Prerequisite: Permission of the Instructor is required.

Description: This course involves applied lessons for timpani.

Topics include fundamentals in technique, sound production, music reading, performance practice, and etude-based repertoire in orchestral and solo timpani genres. Departmental, instructor, and main applied professor permission are required.

Repeatability: May be repeated for a total of 2 credits.

MVP2324: Applied Orchestral Percussion**1**

Prerequisite: Departmental, instructor, and main applied professor permission required

Description: This course is focused on the study of orchestral percussion repertoire and concepts for instruments that may include, but are not limited to, xylophone, glockenspiel, snare drum, and accessories. Performance practice techniques and historical considerations will be presented within orchestral music works from the 17th century to present.

Repeatability: May be repeated for a total of 2 credits.

MVP3331: Applied Percussion**v. 1-2**

Prerequisite: Consent of instructor.

Description: Individual instruction in applied percussion. Private lesson and performance laboratory weekly.

Repeatability: May be repeated for a total of 4 credits.

MVP3333: Applied Timpani**1**

Prerequisite: Departmental, instructor, and main applied professor permission required

Description: This course involves applied lessons for timpani.

Topics include developing skills built in technique, sound

production, performance practice considerations, etude-based repertoire, solo repertoire, and orchestral repertoire

Repeatability: May be repeated for a total of 2 credits.

MVP3334: Applied Orchestral Percussion **1**

Prerequisite: Departmental, instructor, and main applied professor permission required

Description: This course is focused on the study of orchestral percussion repertoire and concepts for instruments that may include, but are not limited to, xylophone, glockenspiel, snare drum, and accessories. Performance practice techniques and historical considerations will be presented within orchestral music works from the 17th century to present.

Repeatability: May be repeated for a total of 2 credits.

MVP4341: Applied Percussion **v. 1-2**

Prerequisite: Consent of instructor.

Description: Individual instruction in percussion. Private lesson and performance laboratory weekly.

Repeatability: May be repeated for a total of 4 credits.

MVP4343: Applied Timpani **1**

Prerequisites: Departmental, instructor, and main applied professor permission required.

Description: This course involves applied lessons for timpani. Topics include mastering advanced skills in timpani technique, sound production, performance practice considerations in 18th-21st centuries, solo timpani repertoire, orchestral timpani repertoire, and audition repertoire.

Repeatability: May be repeated for a total of 2 credits.

MVP4344: Applied Orchestral Percussion **1**

Prerequisite: Departmental, instructor, and main applied professor permission required

Description: This course is focused on the study of orchestral percussion repertoire and concepts for instruments that may include, but are not limited to, xylophone, glockenspiel, snare drum, and accessories. Performance practice techniques and historical considerations will be presented within orchestral music

works from the 17th century to present.

Repeatability: May be repeated for a total of 2 credits.

MVP4640: Percussion Pedagogy **3**

Description: This course is designed to provide students with an advanced understanding of teaching and performance techniques for percussion instruments. Students will be provided with pedagogical knowledge of private percussion instrument teaching including student motivation, tone production, technique, articulations, transpositions, and a survey of literature. Topics include the historical development of percussion instruments, repertory and pedagogy, the study of pedagogical literature, and the proper performance practices for each historical period and genre studied.

MVS1314: Applied String Bass **2**

Prerequisite: Consent of instructor. Individual instruction in string bass. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVS1316: Applied Guitar **2**

Prerequisite: Admission as music major; consent of instructor. Individual instruction in guitar. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVS1411: Applied Violin I **2**

Prerequisite: Consent of instructor. Individual instruction in violin will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS1412: Applied Viola I **2**

Prerequisite: Consent of instructor. Individual instruction in viola will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS1413: Applied Violoncello I **2**

Prerequisite: Consent of instructor. Individual instruction in violoncello will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS2324: Applied String Bass **2**

Prerequisite: Consent of instructor. Individual instruction in string bass. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVS2326: Applied Guitar **2**

Prerequisite: Admission as music major; consent of instructor. Individual instruction in guitar. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVS2421: Applied Violin II **2**

Prerequisite: Consent of instructor. Individual instruction in violin will be given on weekly basis. May be repeated for a total of 4 credits.

MVS2422: Applied Viola II **2**

Prerequisite: Consent of instructor. Individual instruction in viola will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS2423: Applied Violoncello II **2**

Prerequisite: Consent of instructor. Individual instruction in violoncello will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS2703: Cello Class **0**

Co-requisite: MVS 1413, MVS 2423, MVS 3433, or MVS 4443

Description: This weekly performance class provides students with the opportunity to practice performing while receiving constructive criticism from their peers and the instructor. Students will observe and analyze performances, and find solutions to help improve the performances of their peers.

MVS3334: Applied String Bass **2**

Prerequisite: Consent of instructor. Individual instruction in string bass. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVS3336: Applied Guitar **2**

Prerequisite: Admission as music major; consent of instructor. Individual instruction in guitar. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

MVS3431: Applied Violin III **2**

Prerequisite: Consent of instructor. Individual instruction in violin will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS3432: Applied Viola III **2**

Prerequisite: Consent of instructor. Individual instruction in viola will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS3433: Applied Violoncello III **2**

Prerequisite: Consent of instructor. Individual instruction in violoncello will be given on a weekly basis. May be repeated for a total of 4 credits.

MVS3530: Violin and Viola Repertory I **2**

Description: This course is a study of violin and viola repertory from the Baroque Period through the Classical Period.

Repeatability: This course may be repeated for a total of 4 credits.

MVS3531: Violin and Viola Repertory II **2**

Description: This course is a study of violin and viola repertory from the Romantic Period through the 20th Century.

Repeatability: This course may be repeated for a total of 4 credits.

MVS3532: Cello and Bass Repertory I **2**

Description: This course is a study of cello and bass repertory from the Baroque Period through the Classical Period.

Repeatability: This course may be repeated for a total of 4 credits.

MVS3533: Cello and Bass Repertory II **2**

Description: This course is a study of cello and bass repertory from the Romantic Period through the 20th Century.

Repeatability: This course may be repeated for a total of 4 credits.

MVS3601: Harp Pedagogy **3**

Prerequisite: Permission of the instructor.

Description: This course explores the many aspects of harp technique, including pedagogical methods and the repertoire appropriate for the teaching of harp at all levels.

MVS3630: Cello and Bass Pedagogy **3**

Description: This course will cover the study of various cello/bass teaching methods and playing techniques as well as the selection of appropriate repertoire and studies for students of all levels. Methods will include developing proper playing and practicing techniques, correct playing posture and instrument hold, as well as exploration of the uses of scales and etudes. The instructor will present various exercises and excerpts and offer commentary. Students will analyze, discuss and present selected exercises as assigned by the instructor.

MVS3640: Violin and Viola Pedagogy **3**

Prerequisite: Permission of instructor.

Description: This course will cover the study of various violin/viola teaching methods and playing techniques as well as the selection of appropriate repertoire and studies for students of all levels. Methods will include developing proper playing and practicing

techniques, correct playing posture and instrument hold, as well as exploration of the uses of scales and etudes. The instructor will present various exercises and excerpts and offer commentary. Students will analyze, discuss, and present selected exercises as assigned by the instructor.

MVS4344: Applied String Bass **2**

Prerequisite: Consent of instructor. Individual instruction in string bass. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

MVS4346: Applied Guitar **2**

Prerequisite: Admission as music major; consent of instructor. Individual instruction in guitar. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

MVS4441: Applied Violin IV **2**

Prerequisite: Consent of instructor. Individual instruction in violin will be given on a weekly basis. May be repeated up to 3 times for a total of 8 credits.

MVS4442: Applied Viola IV **2**

Prerequisite: Consent of instructor. Individual instruction in viola will be given on a weekly basis. May be repeated up to 3 times for a total of 8 credits.

MVS4443: Applied Violoncello IV **2**

Prerequisite: Consent of instructor. Individual instruction in violoncello will be given on a weekly basis. May be repeated up to 3 times for a total of 8 credits.

MVS4542: Violin Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for violin. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context

of how the excerpt fit into the orchestral composition.

MVS4543: Viola Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for viola. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fit into the orchestral composition.

MVS4544: Cello Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for cello. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fit into the orchestral composition.

Repeatability: Course may be repeated for up to 20 credit hours.

MVS4547: Bass Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for bass. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fit into the orchestral composition.

MVS4641: Advanced Violin and Viola Pedagogy **3**

Description: This class consists of two and a half hours of instruction per week, focusing on violin and viola technique, teaching and applying concepts to repertoire. Learning is assessed each week through the student's ability to state their knowledge on the subject matter and their progression in their ability to teach technical concepts related to string playing. Other requirements such as presentations or papers will also be part of this class.

Repeatability: This course may be repeated for a maximum of 6 credits.

MVS4642: Advanced Cello and Bass

Pedagogy

3

Description: This class consists of two and a half hours of instruction per week, focusing on cello and bass technique, teaching and applying concepts to repertoire. Learning is assessed each week through the student's ability to state their knowledge on the subject matter and their progression in their ability to teach technical concepts related to string playing. Other requirements such as presentations or papers will also be part of this class.

Repeatability: This course may be repeated for a maximum of 6 credits.

MVV1111: Class Voice

1

Description: This one-hour weekly course examines the fundamentals of vocal production.

Repeatability: This course may be repeated for a total of 2 credits.

MVV1311: Applied Voice

2

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in applied voice and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVV1871: Voice for Non-majors I

2

Co-requisite: MUN 2310 or MUN 3313 or MUN 3323 or MUN 3333 or MUN 3343 or MUO 3503

Description: Individual instruction will be given in voice. Students receive weekly private lessons and participate in weekly performance laboratory. This course is open to non-voice performance majors and non-music majors.

Repeatability: This course may be repeated for a total of 4 credits.

MVV2321: Applied Voice

2

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in applied voice and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVV2872: Voice for Non-majors II

2

Co-requisite: MUN 3313 or MUN 3323 or MUN 3333 or MUN 3343 or MUO 3503 or MUN 2310

Description: Individual instruction will be given in voice. Students receive weekly private lessons and participate in weekly performance laboratory. This course is open to non-voice performance majors and non-music majors.

Repeatability: This course may be repeated for a total of 4 credits.

MVV3331: Applied Voice

2

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in applied voice and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVV3876: Voice for Non-majors III

2

Co-requisite: MUN 2310 or MUN 3313 or MUN 3323 or MUN 3333 or MUN 3343 or MUO 3503

Description: Individual instruction will be given in voice. Students receive weekly private lessons and participate in weekly performance laboratory. This course is open to non-voice performance majors and non-music majors.

Repeatability: This course may be repeated for a total of 4 credits.

MVV3970: Junior Voice Recital

0

Prerequisite: MVV 1311 and MVV 2321

Co-requisite: MVV 3331

Description: Music majors can present a junior recital during the fifth or sixth semester of voice study (MVV3331). This is a non credit course which provides important solo and collaborative performance opportunity and also preparation for the mandatory senior recital.

MVV4341: Applied Voice **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in applied voice and participate in performance laboratory each week.

Repeatability: This course may be repeated up to 3 times for a total of 8 credits.

MVV4640: Vocal Pedagogy **2**

Prerequisite: Consent of instructor

Description: The course examines various voice teaching methods.

Repeatability: This course may be repeated for a total of 4 credits.

MVV4877: Voice for Non-majors IV **2**

Co-requisite: MUN 2310 or MUN 3313 or MUN 3323 or MUN 3333 or MUN 3343 or MUO 3503

Description: Individual instruction will be given in voice. Students receive weekly private lessons and participate in weekly performance laboratory. This course is open to non-voice performance majors and non-music majors.

Repeatability: This course may be repeated for a total of 4 credits.

MVV4971: Senior Voice Recital **0**

Prerequisite: MVV 1311, MVV 2321, and MVV 3331

Co-requisite: MVV 4341

Description: This course provides important solo and collaborative performance opportunity and is a requirement of the B.M. Music Performance - Classical Voice concentration.

MVW1211: Secondary Flute I **1**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW1213: Secondary Clarinet I **1**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW1311: Applied Flute I **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW1312: Applied Oboe I **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in oboe and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW1313: Applied Clarinet I **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW1314: Applied Bassoon I **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in bassoon and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW1315: Applied Saxophone **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in saxophone and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW2221: Secondary Flute II **1**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW2223: Secondary Clarinet II **1**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW2321: Applied Flute II **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW2322: Applied Oboe II **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in oboe and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW2323: Applied Clarinet II **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW2324: Applied Bassoon II **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in bassoon and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW2325: Applied Saxophone **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in saxophone and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW3231: Secondary Flute III **1**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW3233: Secondary Clarinet III **1**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW3331: Applied Flute III **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW3332: Applied Oboe III **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in oboe and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW3333: Applied Clarinet III **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW3334: Applied Bassoon **2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in bassoon and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW3335: Applied Saxophone 2

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in saxophone and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 4 credits.

MVW4241: Secondary Flute IV 1

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW4243: Secondary Clarinet IV 1

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated for a total of 2 credits.

MVW4341: Applied Flute IV 2

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in flute and participate in performance laboratory each week.

Repeatability: This course may be repeated up to 3 times for a total of 8 credits.

MVW4342: Applied Oboe IV 2

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in oboe and participate in performance laboratory each week.

Repeatability: This course may be repeated up to 3 times for a total of 8 credits.

MVW4343: Applied Clarinet IV**2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in clarinet and participate in performance laboratory each week.

Repeatability: This course may be repeated up to 3 times for a total of 8 credits.

MVW4344: Applied Bassoon**2**

Prerequisite: MVW 3334 and consent of instructor

Description: Students receive individual instruction in bassoon and participate in performance laboratory each week.

Repeatability: This course may be repeated up to 3 times for a total of 8 credits.

MVW4345: Applied Saxophone**2**

Prerequisite: Consent of instructor.

Description: Students receive individual instruction in saxophone and participate in performance laboratory each week.

Repeatability: This course may be repeated up to 3 times for a total of 8 credits.

MVW4640: Woodwind Pedagogy**3**

Description: This course is designed to provide students with an advanced understanding of teaching and performance techniques for woodwind instruments. Students will be provided with pedagogical knowledge of private woodwind instrument teaching including student motivation, tone production, technique, articulations, transpositions, and a survey of literature. Topics include the historical development of woodwind instruments, repertory and pedagogy, the study of pedagogical literature, and the proper performance practices for each historical period and genre studied.

Undergraduate Courses

Chemistry

BCH3023: Survey of Organic and Biological Chemistry **3**

Prerequisite: CHM 1025/1025L or CHM 2045/2045L

Co-requisite: BCH 3023L

Description: This course surveys the carbon chemistry of biological substances, the structure and function of biological molecules, and elementary metabolism. The course is designed to provide allied health majors with an overview of organic and biological chemistry as it relates to health and nutrition.

BCH3023L: Survey of Organic and Biological Chemistry Laboratory **1**

Prerequisite: CHM 1025/1025L or CHM 2045/2045L

Co-requisite: BCH 3023

Description: This course examines the experimental methods related to the study of the carbon chemistry of biological substances, the structure and function of biological molecules, and elementary metabolism.

Course Fees: \$59

BCH4033: Biochemistry I **3**

Prerequisites: BSC 1010C, CHM 2211, and CHM 2211L

Description: This course examines fundamental biochemistry concepts including the properties of proteins, nucleotides, carbohydrates, and enzymes. This class also explores how these molecules interact in various pathways to promote biological processes and sustain life, as well as experimental techniques used to study these molecules.

BCH4033L: Biochemistry I Lab **1**

Prerequisite: CHM 3120L

Co-requisite: BCH 4033

Description: This laboratory course is an introduction to biochemical properties of biological systems and basic biochemistry/molecular biology procedures.

Course Fees: \$59

BCH4034: Biochemistry II

3

Prerequisite: BCH 4033

Description: This course examines the degradation and biosynthesis of lipids and amino acids, which are metabolic pathways not covered in BCH4033. In addition, the course will examine nucleic acid chemistry, including DNA replication, transcription, recombinant DNA technology and related topics.

BCH4034L: Biochemistry II Laboratory

1

Prerequisite: BCH 4033L

Co-requisite: BCH 4034

Description: Students will learn modern techniques used in experimental biochemistry and molecular biology. Experiments include solid-phase peptide synthesis, polymerase chain reaction, DNA cloning, electrophoresis, protein detection by immunoblotting, and a lesson in proteomics. These experiments will rely heavily on the use of liquid chromatography mass spectrometry (LC-MS) for analysis.

Course Fees: \$59

CHM1020: Discovering Chemistry

3

Description: This course introduces basic chemical principles without an extensive use of mathematics and illustrates them with applications in health, energy, food, and the environment. This course strives to show chemistry as a human endeavor that provides insight into the natural world and informs our decisions as citizens and consumers. Specific topics may vary by semester. This course is designed as a course for students that wish to fulfill the general education natural science requirement with chemistry and who will take no further chemistry courses. This course is not a preparatory course for CHM 2045.

CHM1024: Chemistry Study Skills

1

Co-requisite: CHM1025 Introduction to Chemistry

Description: This course introduces academic skills that correlate to success in chemistry courses. Students will learn effective strategies for note taking, time-management, chemistry problem solving, exam preparation, and using online chemistry resources.

CHM1025: Introduction to Chemistry **2**

This course is an introduction to the principles of modern chemistry and an overview of different areas of chemistry and its applications including elementary organic chemistry.

**CHM1025L: Introduction to Chemistry
Laboratory** **1**

Co-requisite: CHM 1025 This course is an introduction to the principles of modern chemistry and an overview of different areas of chemistry and its applications including elementary organic chemistry. (A laboratory fee of \$59 will be assessed.)

CHM2045: General Chemistry I **3**

Prerequisite: CHM 1025 and MAC 1105.

Co-requisite: CHM 2045L The course is the first semester of a two semester sequence, and includes topics such as stoichiometry, atomic structure, chemical bonding, solutions and their properties, descriptive chemistry of selected elements, and gases.

CHM2045L: General Chemistry I Laboratory **1**

Prerequisite: CHM 1025, CHM 1025L or high school chemistry with a B or better, MAC 1105

Co-requisite: CHM 2045 The course includes experiments that demonstrate the concepts of stoichiometry, atomic structure, chemical bonding, acids and bases, solutions and their properties, reaction rates and equilibrium and descriptive chemistry of selected elements. (A laboratory fee of \$59 will be assessed.)

CHM2046: General Chemistry II **3**

Prerequisite: CHM 2045, CHM 2045L

Co-requisite: CHM 2046L The course is the second semester of a two semester sequence, and includes topics such as the chemistry of liquids and solids, kinetics, aqueous equilibria, thermodynamics, electrochemistry, and nuclear chemistry.

CHM2046L: General Chemistry II

Laboratory

1

Prerequisite: CHM 2045, CHM 2045L

Co-requisite: CHM 2046 The course includes experiments that demonstrate the basic concepts of the chemistry of gases, liquid, solids, thermodynamics, electrochemistry, reaction rates, and aqueous equilibria. (A laboratory fee of \$59 will be assessed.)

CHM2210: Organic Chemistry I

3

Prerequisite: CHM 2046, CHM 2046L A study of the compounds of carbon emphasizing functional group reactivity, spectroscopy, reaction mechanisms. Three hours lecture. Natural science majors must co-enroll in CHM 2210/CHM 2210 L.

CHM2210L: Organic Chemistry I

Laboratory

1

Prerequisite: CHM 2046, CHM 2046L

Co-requisite: CHM 2210. Note: Students are required to bring a combination lock to class on the first day of lab. Techniques used in organic laboratories such as crystallization, distillation chromatography. Three hours laboratory. Natural science majors must co-enroll in CHM 2210/CHM 2210L. (A laboratory fee of \$59 will be assessed.)

CHM2211: Organic Chemistry II

3

Prerequisite: CHM 2210, CHM 2210L. A continuation of CHM 2210. Natural Science majors must co-enroll in CHM 2211L. Three hours lecture.

CHM2211L: Organic Chemistry II

Laboratory

1

Prerequisite: CHM 2210, CHM 2210L *Corequisite:* CHM 2211

Note: Students are required to bring a combination lock to class on the first day of lab. Continuation of CHM 2210L; emphasis on organic synthesis. Three hours laboratory. Natural Science majors must co-enroll in CHM 2211/CHM 2211L. (A laboratory fee of \$59 will be assessed.)

CHM3120: Quantitative Analytical

Chemistry

3

Prerequisite: CHM 2046 and CHM 2046L

Description: This course examines the principles of analytical chemistry and quantitative analysis with emphasis on gravimetric and titrimetric methods.

CHM3120L: Quantitative Analytical

Chemistry Laboratory

1

Prerequisite: CHM 2046 and CHM 2046L

Co-requisite: CHM 3120

Description: This course examines the practice of quantitative analysis with emphasis on gravimetric and titrimetric methods. Experiments include calibration of analytical glass, gravimetric measurements, and titrations against known and unknown samples.

Course Fees: \$59

CHM3260: Advanced Organic Chemistry

3

Prerequisite: CHM 2211 The course covers structural/mechanistic and synthetic aspects of organic chemistry, focusing on both fundamental/classical concepts and contemporary topics. Classical topics include bonding and molecular structure, stereochemical and conformational aspects, structure-reactivity relationships, kinetic isotope effect, substitution, addition-elimination, reactive intermediates, aromaticity and aromatic chemistry. Contemporary topics include modern synthetic methods and reagents, concerted reactions, ligand-coupling reactions, retrosynthetic analysis, and targeted synthesis.

CHM3610: Inorganic Chemistry

3

Prerequisites: CHM 2211, CHM 3120 and CHM 3120L

Description: This course provides coverage of topics including atomic orbitals, molecular orbital theory, nuclear properties, molecular symmetry, group theory, vibrational spectroscopy, valence bond theory, coordination chemistry, and ligand field stabilization energy.

CHM3610L: Inorganic Chemistry

Laboratory

1

Prerequisite: CHM 3610 The Inorganic Chemistry Laboratory course provides an experimental basis for content covered in the prerequisite foundation course, Inorganic Chemistry. The laboratory course provides an emphasis on the synthesis of inorganic and organometallic compounds with subsequent characterization using modern analytical and physical measurements. Significant focus is placed on the complete process of both synthesis and characterization of inorganic compounds. Development of scientific communication skills is emphasized through use of a bound laboratory notebook and preparation of coherent laboratory reports written with a conventional scientific structure. (A laboratory fee of \$59 will be assessed.)

CHM4130: Modern Analytical Chemistry

3

Prerequisite: CHM 2211 and CHM 3120

Description: This course examines the modern instrumental methods of analytical investigation including atomic spectroscopy, molecular spectroscopy, potentiometry, electrogravimetry, nuclear magnetic spectroscopy, chromatography, and mass spectrometry.

CHM4130L: Modern Analytical Chemistry

Laboratory

1

Prerequisite: CHM 4410L

Co-requisite: CHM 4130

Description: This course examines the modern analytical instruments used for chemical analysis, with an emphasis on the statistical analysis of data for preparation of scientific publications. Experiments include ultraviolet-visible spectroscopy, liquid chromatography, electrochemistry, and mass spectrometry.

Course Fees: \$59

CHM4410: Physical Chemistry I **3**

Prerequisite: MAC 2312, CHM 2046/2046L, PHY 2049/2019L, and PHY 2054/2054L

Description: This course examines the theories and experiments of classical thermodynamics. Topics include the laws of thermodynamics, thermochemistry, chemical equilibrium, and solutions.

CHM4410L: Physical Chemistry I

Laboratory **1**

Prerequisite: MAC 2312, CHM 2046/2046L, PHY 2049/2049L, and PHY 2054/2054L

Co-requisite: CHM 4410

Description: This course provides an experimental basis for the topics of thermodynamics covered in CHM 4410: Physical Chemistry I. There is an emphasis on designing an experimental approach to test or demonstrate the laws of thermodynamics, which involves measurement of macroscopic variables and derivation of thermodynamic relationships.

Course Fees: \$59

CHM4411: Physical Chemistry II **3**

Prerequisite: CHM 4410 and CHM 4410L

Description: This course examines the theories and experiments of kinetics, quantum mechanics, and spectroscopy. Topics include rate laws, reaction mechanisms, the Schrödinger equation, molecular orbital theory, the chemical bond, electronic structure, and spectroscopic methods.

CHM4411L: Physical Chemistry II

Laboratory **1**

Prerequisite: CHM 4410 and CHM 4410L

Co-requisite: CHM 4411

Description: This course provides an experimental basis for the topics of kinetics, quantum mechanics, and spectroscopy covered in CHM 4411. Modern instrumentation will be used to investigate

these topics by measuring atomic and molecular quantities that demonstrate the quantum nature of matter.

Course Fees: \$59

CHM4612: Advanced Inorganic Chemistry **3**

Prerequisites: CHM 3610, CHM 4410

Description: The Advanced Inorganic Chemistry course is an in-depth course that builds upon content covered in the prerequisite foundation course, Inorganic Chemistry. The course provides in-depth coverage of the structure and bonding of the representative p-block elements and transition metal d-block elements.

Coordination compounds are examined using both crystal field theory and molecular orbital theory.

CHM4627: Solid State Chemistry **3**

Prerequisites: CHM 3610, CHM 4410

Description: The Solid State Chemistry course is an advanced course that introduces concepts relating to crystalline structures, bonding forces, superconductivity, electrochemical, magnetic, optical, and conductive properties that underlie extended solids. The lecture course provides experimental evidence and theoretical interpretations of the structure and properties of solid-state inorganic compounds. A range of synthetic and physical techniques to prepare and characterize solids is described.

CHM4910: Chemical Research **v. 1-4**

Prerequisite: Junior or senior standing and consent of instructor. Laboratory or field research in collaboration with chemistry faculty. No more than 4 hours will count towards major electives. (A laboratory fee of \$59 will be assessed.)

CHM4911: Chemical Research Experience **0**

Description: Students will be provided exposure in laboratory research by participating and conducting chemical experiments under the supervision of chemistry faculty.

CHM4930: Selected Topics in Chemistry **v. 1-4**

Prerequisite: Permission of instructor. Variable topics as related to recent advances in chemistry. May be repeated for a total of 12 credits.

CHM4931: Senior Seminar in Chemistry **1**

Prerequisite: CHM 4410 and CHM4410L Library research, including the use of Chemical Abstracts and Science Citation Index will be required in this course. In addition, an oral presentation and written paper are required. Students wishing to include laboratory research should enroll in CHM 4910, Chemical Research, prior or simultaneously to this course. Note: Senior Seminar is only offered fall and spring semesters.

CHS4615: Environmental Chemistry **3**

Prerequisites: CHM 3120C, CHM 2210. This course examines the sources, reactions, transport, effects and fates of chemical species in the water, soil and air environments. Three hours lecture.

CHS4615L: Environmental Chemistry Lab **1**

Corequisite: CHS 4610 This laboratory course will demonstrate some of the techniques for monitoring substances in the environment. Students will be expected to work independently on problems related to real environmental problems or principles. Three hours laboratory. (A laboratory fee of \$59 will be assessed.)

=

Undergraduate Courses

Philosophy & Religious Studies

HUM2001: Introduction to Humanities

3

Description: This course offers an intersecting disciplinary modes of remembering, questioning, understanding, and expressing human experience. Humanities form the core of a traditional liberal arts education, offering ways and methods for thinking critically about our place in the world. Thoughtful engagement with the humanities also requires the exercise of empathy and the acceptance of ambiguity and uncertainty. By inculcating these habits of mind, and encouraging intellectual adaptability, a broad humanities education provides an intellectual scaffolding for navigating our complex world and finding meaning in it.

HUM2020: Introduction to Humanities

3

Description: This course offers an intersecting disciplinary modes of remembering, questioning, understanding, and expressing human experience. Humanities form the core of a traditional liberal arts education, offering ways and methods for thinking critically about our place in the world. Thoughtful engagement with the humanities also requires the exercise of empathy and the acceptance of ambiguity and uncertainty. By inculcating these habits of mind, and encouraging intellectual adaptability, a broad humanities education provides an intellectual scaffolding for navigating our complex world and finding meaning in it.

IDS3053: Introduction to Interdisciplinary

Inquiry

3

Description: This course provides an introduction to Interdisciplinary Studies, and to the IDS major at UNF. Students will explore the history of interdisciplinary studies, and will examine the theoretical perspectives and methodological approaches that different disciplines bring to bear on a line of

inquiry. The course also helps to prepare students for the research, writing, and oral communication tasks found in advanced coursework in the major. In addition, this course involves a variety of individual and group advising components to help students plan their academic work within the major, develop their programs of study, and investigate their capstone options. Students should take this course as early as possible in their career. This course is required for the theme-based interdisciplinary studies major.

IDS4890: Interdisciplinary Studies

Capstone

v. 0-1

Prerequisite: IDS 3053, for Interdisciplinary Studies Majors only, consent of instructor required, and students should have senior standing .

Description: Registration in this zero to one credit course records an Interdisciplinary Studies major's completion of the required capstone project. All students majoring in Interdisciplinary Studies must enroll in this course during the semester in which they complete their capstone project (see the Program of Study for more information). Students choosing capstone projects 1 or 2 that involve significant reflective and summative components should register for the zero credit option. Students choosing option 3, or another option without significant reflective and summative components, should register for one credit and during the course will construct a portfolio based on their major theme.

PHH3100: Ancient Greek Philosophy

3

Description: This course is a survey of the major metaphysical, epistemological and ethical issues which concern the ancient Greek philosophers. Included will be pre-Socratics, Plato, Aristotle, the stoics, the epicureans, the skeptics, and the neo-Platonists.

PHH3104: Socrates and the Sophists

3

This course introduces students to Socratic thought on a focused, intensive level. Students will read the central dialogues of Plato that present Socrates arguing against the most influential teachers of ancient Athens, the Sophists. In the process of reading these

works, students will analyze Socrates's arguments that virtue consists in wisdom and that the life of continuous self-examination and striving for virtue is superior to the life of political power based on rhetorical prowess. Students will also determine for their own lives whether they prefer the life of a philosopher, and the values on which it is founded, or the life of the Sophist and master of rhetoric.

PHH3120: (FC) The Greek Experience **3**

An interdisciplinary course, weaving together the history, art, and philosophy of ancient Greece. We will focus on certain concepts the Greeks bequeathed us which are still important. We will try to think about polis, logos, nous, psyche, arete, in the way that a Greek might have thought about them.

PHH3201: Jewish and Islamic Philosophy in the Classical Tradition **3**

Description: Often medieval philosophy is presented in its Christian guise alone, giving the impression that the medieval philosophical tradition, influenced by the great thinkers of Greek antiquity, is exclusively a Latin tradition, with no substantive contribution by those who wrote in Arabic and Hebrew. We shall revise this view. Our focus will be a select group of philosophers who lived between the 10th-12th centuries, a roughly three hundred-year period that is a high point in medieval Jewish and Islamic philosophy—a time before Greek philosophy was rediscovered in Christian Europe. Philosophers to be studied in some detail are Saadya Gaon, Al-Farabi, Ibn Rushd, and Maimonides, and in addressing topics in the philosophy of language, metaphysics, epistemology, cosmology, philosophical psychology, and especially in philosophy of law, ethics, and political philosophy.

PHH3230: Islamic Philosophy **3**

Description: This course provides an introduction to the historical birth of Islam and some of the philosophical issues it addresses, both in its history and in contemporary times. This course covers the revealing of the Qurân and the development of sources of

authority within the tradition as well as the way those resources are used to answer questions in Islamic law, theology, philosophy, and mysticism. Through thinkers such as Ibn al-Arabi, al-Ghazali, and Ibn Rushd (Averroes), we will cover problems that remain pertinent into the medieval period and beyond: How does determinism influence ethical blame? How do universal laws and particular cases relate? What is the proper relationship between reason, knowledge, and revelation?

PHH3400: Modern Philosophy

3

An examination of major philosophical developments accompanying the emergence of the modern world. The course focuses on the chief thinkers of the 17th and 18th century, including Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

PHH3500: Kant to Nietzsche

3

Description: An exploration of major philosophical developments which follow the French Revolution and culminate with the beginning of the 20th century. Special attention is given to the contemporary relevance of 19th century thought. Readings from Hegel, Marx, Kierkegaard, Schopenhauer, Dilthey and Nietzsche.

PHH3810: Introduction to Buddhism

3

Description: In this course we will critically engage Buddhist philosophy and religion, from its origins in ancient India to its spread across Asia and its impact on the contemporary world. The course will include a focused survey of key ideas, practices, and texts, and a more in-depth examination of one particular idea, practice, or text.

PHH3811: The Philosophy of Zen

Buddhism

3

Zen is the meditation school of traditional Buddhism. This course is a critical examination of the literary, philosophical and historical roots and teachings of Zen. We will begin with a general introduction to Buddhism, then read some Chinese and Japanese

Zen texts, in an effort to understand them as expressions of Asian culture, as responses to philosophical problems, as exercises testing the limits of reason, and as expedient means to awaken "the true self of compassionate wisdom".

PHH3820: (FC) Chinese Philosophy **3**

Chinese Philosophy traces the historical development of the major, traditional movements in thought, religion, and philosophy. Beginning with the Chinese classics, it explores the ideas of Confucianism, Mohism, Daoism, Legalism, Buddhism, and Neo-Confucianism. Readings in primary sources are emphasized.

PHH3840: Philosophies of India **3**

Description: This course will follow the development of Indian Philosophies from the early Vedic culture of the Indus Valley civilization through the Upanishadic and epic traditions, heterodox traditions of materialism, Jainism, and Buddhism, and orthodox responses of Vaisheshika, Nyaya, Samkhya, Yoga, Mimamsa, and Vedanta. We will pay particularly close attention to philosophical developments in Buddhism and to the practices of Yoga and Advaita Vedanta. Among the questions this course will consider are the following: What is the self? What is the relationship between the self, the personality, and the mind? What really exists and how can I know about it? What is the goal, purpose, and meaning of human life? What is the role of philosophy in the Indian intellectual and religious tradition?

PHH3860: (FC) Japanese Philosophy **3**

Description: This course is an introduction to Japanese philosophy through key elements of Japanese culture. We will explore Shinto, the indigenous world-view and practices of Japan; Japanese Buddhism, including Zen, Pure Land, and Nichiren; bushido, or the samurai spirit; distinctive contributions of Japanese thinkers to neo-Confucianism; and Japanese aesthetics. As we do so, we will explore the differences between orientalism and responsible approaches to non-western cultures and philosophies. We will also discuss Japanese responses to the Buddhist problem of original enlightenment, think through the role of ritualized activities

in Japanese culture, and learn what the hierarchical nature of Japanese language can tell us about life in Japan.

PHH4121: Ancient Greek Ethics

3

Description: In this course we will study the origins of Western ethical thought in ancient Greece. Beginning with Aristotle, we will go on to examine the work of the Hellenistic philosophers, who more fully developed several distinctive schools of ethical thought and behavior. While these philosophers are interesting in themselves, they are also important because they formulated the basis of contemporary ethics, both in the questions asked and in the solutions offered.

PHH4601: Contemporary European Philosophy

3

Description: This course offers an examination of major issues and figures in 20th and 21st century European philosophy. It considers topics such as the alterity or difference of others, the relation of language to thought, the nature of human experience and perception, the nature of power, as well as contemporary perspectives on justice, ethics, and politics. The course draws on the works of influential theorists such as Sartre, Merleau-Ponty, Beauvoir, Heidegger, Adorno, Deleuze, Derrida, and Foucault in order to gain insight into some of the main philosophical movements of the 20th century: phenomenology, existentialism, structuralism, post-structuralism, and deconstruction.

PHH4620: 20th Century Philosophy: Anglo- American Tradition

3

Description: The history of philosophy in the present century in the English-speaking world is marked by a turn away from speculative metaphysics toward the logical analysis of language. This course traces the history of that development from Russell through Wittgenstein and the "logical positivists" up to the present trend toward applied ethics.

Description: This course will explore the thought and influence of one of the most influential people of all time, Confucius. Much of what we see today as distinctive contributions of East Asia to world culture comes from a Confucian approach to the world. We will begin in ancient China with the great Confucian classics, and then proceed historically through movements and developments in Confucian thought, from the Analects and the Mengzi to Dong Zhongshu, Zhu Xi, and New-Confucianism as it exists today. We will examine questions of how to categorize Confucianism: philosophy, religion, both, neither? We will also explore the Asian Values controversy and discuss the rise of Confucianism in contemporary China, including various Confucian responses to problems such as human rights, environmental ethics, and bioethics.

PHI2010: (GW) Introduction to Philosophy 3

An introduction to the rudiments of philosophical thinking, which is designed to clarify the differences between philosophy and other human activities such as science and religion. The course will introduce students to a range of philosophical problems and methods. Gordon Rule Additional Writing credit.

PHI2100: (GW) Critical Thinking: The Art of Reasoning 3

Description: This course is an introduction to the art of thinking and reasoning well. Thinking and reasoning well are of paramount importance for not only philosophy, science, history, politics, business, medicine, or engineering, but for any human endeavor that seeks to give rational support for its assertions. Throughout the course we will seek to refine the habits, patterns, and activities of thinking so as to become more careful, more critical, and more competent thinkers. We will do this by first cultivating the skills of identifying and evaluating arguments; we will then learn to identify patterns of bad reasoning and how to improve an argument. At various points in the course we will turn our critical thinking skills toward selected contemporary issues for analysis. By the time the course is finished, successful students will be more confident in analyzing the arguments of others, constructing their own

arguments, and discoursing civilly with others about complex and contentious issues.

PHI2101: Introduction to Logic

3

Description: This course will introduce students to symbolic logic. In logic we study the principles of correct reasoning as revealed through language. In this course, students will study both how and why good reasoning works. Our focus will be on the principles of deductive reasoning (in contrast to inductive reasoning). In symbolic logic we use artificial, formal languages to study deductive inferences. In this course students will be introduced to and come to understand two such formal languages (sentential logic and predicate logic) in order to assess and construct good deductive arguments and test for other logical properties. This course satisfies a core requirement for the major in Philosophy.

PHI2630: (GW) Critical Thinking: Ethical

Issues

3

Description: This course is an introduction to thinking critically about a range of ethical issues. As such, we will examine the differences between opinions and positions, debates and arguments, and stereotypes and assumptions. We will learn to identify, analyze, and respond to arguments using ethical standards and logical criteria. Because ethical issues are often heated and emotionally charged, we will spend time focusing on how to listen to one another, building our community around intellectually safe inquiries. In order to engage these questions together, we will develop a basic theoretical framework from which to begin, and then drawing on significant philosophical theories of ethics, we will focus our attention on selected issues, which may include but are not limited to issues such as abortion, euthanasia, informed consent, research ethics, food justice, friendship, sex, cheating, and parenting.

PHI2885: Philosophy through Fiction

3

Description: This course explores the ways in which philosophy and literature inform one another. We will consider how

philosophical positions, arguments, and problems are illustrated in works of fiction, and whether fiction itself can be a form of philosophy. Students should gain an understanding of several philosophical issues and positions, develop an appreciation of the importance of fictional narrative to the reflective understanding of life and how it may also inform philosophical theory, as well as the value of philosophy to literary criticism.

PHI3084: Philosophical Methods

3

Description: This course is an investigation of various central methods in philosophical inquiry. The course covers analytic, continental European, comparative (non-Western/Western), and historical perspectives. Attention is paid to developing students' abilities to interpret philosophical material, construct and evaluate arguments, and write philosophical essays. Specific topics will vary by instructor. This course is required for the philosophy major and minor, and is a prerequisite for all 4000 level courses.

PHI3300: Introduction to Epistemology

3

Description: Epistemology is the study of knowledge and justified belief. In this course, we will critically examine numerous accounts of the nature and sources of knowledge and justified belief. In addition, we will look at epistemological puzzles concerning skepticism, the problem of induction, epistemic relativism, and the epistemic significance of disagreement. The philosophical questions to be discussed include: What is knowledge? Can we know anything worthwhile? Given that we do know things, how do we know them? Under what conditions is a belief rational? Is it rational to believe controversial propositions? Is there more than one standard of rationality?

PHI3320: Philosophy of Mind

3

Description: An attempt to define the relationship between the mind and the body and to explore the relationship between the mind-body problem, freedom and immortality. Topics include the history of the notions of soul, mind, and body; the relation

between the brain and the mind; and computer intelligence.

PHI3400: The Philosophy of Science **3**

Description: A philosophical exploration of nature and the foundations of both the natural and the social sciences. Topics will include the structure of scientific explanation, the nature of theories, the possibility of scientific revolution, the idea of a science of human behavior and the relationship between science and human values.

PHI3453: Philosophy of Psychology **3**

Description: This course examines the philosophical and ethical issues raised by the theory and practice of psychology. Questions to be considered are: What philosophical and ethical problems are raised by the very idea of mental health? In what sense do different approaches to psychological care embody different underlying philosophical assumptions? What different philosophical reasons are there for thinking that psychological treatment should be aimed at the mind, the brain, behavior, the self, the soul, or the whole person?

PHI3500: Introduction to Metaphysics **3**

Description: This course will be a topical introduction to central themes in metaphysics, a branch of philosophy that tries to answer the fundamental questions about the nature of reality. In the course we will carefully consider accounts of causation, the relation of freedom and determinism, laws of nature, personal identity, mental states, time, material objects, and properties. The philosophical questions to be discussed include: What makes it the case that one event causes another event? Is free will compatible with determinism? What are material objects? Given that material objects exist, do such things as properties exist? What makes it the case that a person may exist at two different times?

PHI3601: Ethics **3**

Ethics considers questions such as "How should I live?" and "How do I decide the right thing to do and why should I do it?" This course deals with those questions in the areas of moral metaphysics, meta-ethics and normative theories of moral conduct which come from the history of philosophy back to the time of Plato and Aristotle. Other theorists to be discussed include Immanuel Kant and John Stuart Mill, and may include figures such as Thomas Hobbes, David Hume and John Dewey, as well as contemporary theorists.

PHI3632: Ethics of Sex and Gender

3

This course will explore ethical dimensions of sex and gender and the gendered dimensions of ethical thought and practice. We will ask whether women and men approach moral problems differently and whether women's traditional concerns, such as child care, can enhance ethical theory. We will also consider how "feminist ethics" has been altered by the perspectives of women in different social locations. We also address practical ethical issues related to sex and gender, such as reproductive technologies, prostitution, and militarism. We will explore each of these topics from a variety of both masculine and feminine perspectives.

PHI3633: Bioethics

3

This course employs tools of ethical theory to examine a number of moral issues arising in health care. Issues to be considered include the physician-patient relationship, informed consent, advance directives, euthanasia and physician-assisted suicide, experimentation on human subjects, and access to health care. Throughout this course we will examine assumptions about rights, persons, and ethical principles at play in the medical arena. Readings will include discussions of ethical principles in medical contexts, legal decisions, and case studies, providing students with the opportunity to sharpen their analytic skills and develop a deeper understanding of some of the major bioethical issues currently being debated.

PHI3637: Ethical Issues in Public Health

3

This course introduces students to moral issues in public health. Students will learn to recognize relevant moral issues and analyze them in light of basic ethical principles. Topics to be covered may include allocation of scarce health care resources, public vs.

private health care funding, access to care, ethics and infectious disease control (STDs, HIV, TB), public health genetics (screening programs and individual testing/counseling), and research ethics in public health (e.g. experimenting on uninformed populations). Case analysis and group discussion will be emphasized.

PHI3640: Environmental Ethics

3

This course will cover intrinsic and instrumental value approaches to environmental ethics, alternative environmental ethical approaches, and special environmental ethical issues. The goal of the course is to familiarize students with all the major approaches to environmental ethics and with a few particularly philosophically interesting environmental ethical issues. Students will appreciate and understand the complexity and intricacy of the arguments involved in adopting one approach or position over another.

PHI3664: Ethics East and West

3

This course explores ethical theory and some contemporary ethical problems from the perspective of comparative philosophy. The focus will be on Asian approaches to ethics, and how differing views of nature and human nature alter the quest for what is good and for the good life. We will discuss the Hindu, Confucian, Taoist and Buddhist traditions, as well as contemporary Japanese theory.

PHI3670: Relativism and Disagreement

3

Description: Disagreement concerning how we should live and what we should believe is widespread and persistent. A prevalent response to such disagreement is some kind of relativism – some claim that both parties to the disagreement are correct. In this course we will look at the case for and against ethical relativism (relativism about what we should do) and epistemic relativism (relativism about what we should believe). We will also look in a more direct way at the epistemic significance of disagreement itself. Can reasonable people come to different conclusions even when they have the same evidence? How should we modify our beliefs (if at all) when we encounter another who disagrees with us? And when (if ever) can beliefs be rationally maintained in the face of disagreement?

PHI3674: Lies and Self Deception**3**

Description: Self deception is a common phenomenon. In fact, most people seem to have a friend or family member who they think is self-deceived (e.g., about the faithfulness of his or her lover, about his or her beliefs concerning a particular religion or political party, etc.) This apparent ability to lie to oneself in the face of the evidence seems to be a rather contemptuous vice. However, recent psychological studies seem to suggest that at least some forms of self deception are life-enhancing. Thus, it might seem that self deception can be a virtue. In this course, we examine the nature of self deception, evaluate its ambiguous ethical status, and reflect on how these insights should affect the way that we live.

PHI3700: Philosophy of Religion**3**

Description: This course approaches religion as a phenomenon common to human experience. Religion is examined from the perspective of reason rather than revelation. Philosophy of religion is concerned with philosophical conceptions of deity, the truth claims of differing religions, of revelation, faith, and the problem of verification.

PHI3800: Aesthetics**3**

This course will examine questions such as What is art? What is beauty? What is the nature of aesthetic experience? What is an aesthetic object? What is the role of creativity in making and judging art? Can a work of art have more than one meaning? What is the role of the art critic? and Can art be immoral? We will examine the theories of philosophers and members of the art community from the time of Plato to the present day.

PHI3880: Philosophy of Film**3**

Philosophy of Film is a course in the aesthetics of film. The course is divided into four parts: (1) film aesthetics, focusing on aesthetics vocabulary and the aesthetic components of film; (2) film as art, focusing on art theory and the film artist; (3) film form, focusing on the mechanics and aesthetics of film form, on film

genre, and on film theory; (4) film criticism, focusing on criticism, censorship, and critical film reviews.

PHI3930: Selected Topics

v. 1-4

May be repeated for a total of 12 credits under different topics.

PHI3931: East and West: Selected Topics

3

This course in comparative philosophy examines a specific problem from both Western and Asian perspectives. One topic for each semester will be chosen; topics include freedom, action, the body, the self, and God. Contrasts discovered in different philosophical traditions will be used to identify unquestioned assumptions and formulate creative alternatives to problems.

PHI3932: Special Topics in Asian Thought and Practice

3

Description: This is a special topics course in Asian Thought and Practice, as such the particular theme and content of the course will vary. The course will examine an important topic within the broader category of Asian Thought and Practice. Course topics may include but are not limited to Confucianism, Daoism, and Buddhism.

Repeatability: This course may be taken for a total of 12 credits.

PHI3934: Selected Topics in Value Theory

3

Description: This is a selected topics course in the field of Value Theory. Topics will vary by semester, and may include but are not limited to ethics, ethical theory, applied ethics, social and political philosophy, and aesthetics.

Repeatability: This course is repeatable for up to 12 credits.

PHI3935: Ancient Greek Philosophy: Special Topics

3

This course examines diverse topics in ancient Greek Philosophy, focusing on issues in epistemology, metaphysics, ethics,

psychology, or political philosophy. Each semester the course typically addresses a theme, a single author, a school, a comparative analysis, or an assessment of the contemporary relevance of the thought of Greek philosophy. Works studied include those of the Pre-Socratics, Plato, Aristotle, Hellenistic, or Neoplatonic philosophers.

PHI3939: Selected Topics in Knowledge and Reality

3

Description: This is a selected topics course in the field of Knowledge and Reality. Topics will vary by semester, and may include but are not limited to epistemology, metaphysics, philosophy of science, philosophy of mind, philosophy of history and social science, and philosophy of language.

Repeatability: This course may be repeated for up to 12 credits.

PHI4220: Philosophy of Language

3

Description: The course explores the lasting significance of the linguistic turn in philosophy, including its different philosophical perspectives in analytic philosophy, speech act theory, semiotics and poststructuralism, and philosophical hermeneutics. Central questions include: What is the role of language for human consciousness and experience? How is linguistic meaning constituted, and what are its essential components? What is the basic structure of language, and how does it affect our access to reality? What is the relation between language and truth? What is the role of language and linguistic meaning for the constitution of culture, society, and politics? The course clarifies concepts like consciousness, meaning, reflexivity, truth, reference, normativity, and social practices through the philosophy of language.

PHI4420: Philosophy of the Social Sciences

3

Description: This course is an examination of the nature, foundations, and aims of the social sciences. Attention is given to differing accounts of human action, the nature of social

explanation, the structure of comparative social analysis, and the conditions for societal evaluation. Special consideration is given to the relationship of the social sciences to the humanities and the natural sciences.

PHI4641: Business Ethics

3

Description: This course examines the theoretical foundations of business ethics as well as various ethical issues which arise on personal, corporate, national and global levels in the business world. The course will include: an examination of a philosophical context for business ethics; and exploration of relevant ethical and social-political theories; consideration and discussion of real-world business ethical issues. Readings and lectures will be complemented by class discussion and an ongoing focus on case studies.

PHI4881: Philosophy of Music

3

Description: This course introduces students to the variety of philosophical perspectives that have enhanced our understanding of the phenomenon of music. The identity of "music" is explored in light of different cultural, social, and aesthetic contexts. We focus on the linguistic character of music as a symbol form, the source and nature of emotional experiences through music, the cultural and social contexts of music production and reception, and the normative question of how to evaluate musical products and performances. The course offers original insights into music, while teaching basic theoretical insights of linguistic, social-psychological, and cultural philosophy.

PHI4905: Directed Individual Study

v. 1-3

Prerequisite: PHI 3084

Description: This course is a directed individual study in philosophy. Topics will vary by instructor.

Repeatability: May be repeated for 12 credits under different topics.

PHI4930: Special Topics in Philosophy

3

Description: This course covers topics of importance in philosophy. Course topic will vary by instructor.

Repeatability: May be repeated up to 9 credits under different topics.

PHI4935: Philosophy Seminar

v. 3-4

Description: This course is an investigation of specific philosophical problems or issues. Topics vary by instructor.

Repeatability: May be repeated for 12 credits with consent of instructor.

PHI4970: Senior Honors Thesis

v. 3-6

Prerequisite: PHI 3084

Description: This course is for research and writing an Honors thesis, under the direction of a department advisor and committee.

Repeatability: May be repeated for a maximum of 6 credits.

PHM3020: Philosophy of Love and Sex

3

This course is an examination of contemporary views of love and sex as well as their roots in earlier philosophical conceptions. The course covers such topics as erotic love and the self, homosexuality and heterosexuality, non-erotic love, and the ways love, sex, and marriage may affect women and men differently.

PHM3050: Ethical Issues in Death and

Dying

3

In this course, we take a philosophical approach to death and dying in order to understand and analyze some of the ethical, medical, psychological, and legal issues surrounding death and dying. Topics to be covered include whether life is always preferable to death, deciding how much control we should have over our own deaths, how much control (if any) advance directives should have in directing end-of-life treatments plans, how much money should be spent on expensive treatments which provide little benefit, the right of hospitals to decide when life prolonging treatment is futile, the moral obligation of doctors to tell their patients their prognosis, differential criteria for determining death,

and whether one is allowed to bring about or assist in the death of another.

PHM3128: Philosophy of Race and Racism **3**

Description: This course investigates race and racism from a philosophical perspective. As such it focuses on the metaphysics of race, critical analysis of core concepts pertaining to race and racism, and ethical evaluation of racism and race-related injustices. Central considerations include what race is; its social construction; the relationship between concepts of race and racism; the impact of race and racism on social, political theories and ideals; different kinds of ethical wrongs related to race and how best to address them; and racism and personal character.

PHM3304: Political Philosophy **3**

An examination of central concepts in political thought, including rights, laws, justice, liberty, obligation, political sovereignty, legitimate authority and the nature of political community. Emphasis is on classical theories and their relation to contemporary issues.

PHM3361: Philosophy of Democracy **3**

A philosophical exploration of the nature of democracy. Principal consideration is given to ancient Greek, classical modern and contemporary accounts of democratic theory. Themes in democratic theory are also examined as they pertain to notions such as constitutionalism, group representation, worker self-management, media politics, multiculturalism, feminism, and globalism.

PHM3362: Global Justice **3**

This course examines the phenomenon of globalization from a moral and ethical perspective. Questions include the following: What are universal human rights and how are they compatible with the diversity of cultural practices and traditions worldwide? What duties do we have to the global environment? What obligations, if any, do members of affluent countries have to address world hunger and poverty? What are the forms of

governance appropriate to a globalized world? Is humanitarian military intervention in the internal affair of another country justifiable? Should we understand ourselves first and foremost as citizens of the world or as members of bounded communities?

PHM3400: Philosophy of Law

3

Description: Focus is on such concepts as justice, rights, civil liberties, authority, responsibility and punishment. Attention is also given to the relation of law to psychiatry and to morality.

PHM4100: Social Philosophy

3

Description: This course is an advanced introduction to social philosophy. While most of philosophy focuses on ontological, transcendental, or otherwise universal categories, inhering either in being or the subject, social philosophers analyze the extent to which basic conditions and structures of experience are socially constituted or shaped. This involves a rethinking of rationality, agency, and freedom—“even truth and meaning”—as grounded in social structures or processes. The relation between social reality and normative issues like autonomy, rationality, and truth distinguishes social philosophy from sociology, while grounding normative issues in social processes differentiates social philosophy from other domains in philosophy. The course covers classic roots in Marx, Durkheim, and Weber, as well contemporary philosophers like Michel Foucault, Pierre Bourdieu, Jürgen Habermas, Anthony Giddens, and Judith Butler.

PHM4340: Contemporary Political Philosophy

3

Description: This course examines main trends in recent and current political philosophy. Emphasis is on contemporary philosophical treatments of concepts like rights, liberty, justice, equality, democracy, power, the state, and the political itself. These concepts are explored while examining (a) new theoretical developments like communitarianism, feminism, poststructuralism, hermeneutics, discourse and difference theory, and (b) current reformulations of such classical positions as utilitarianism,

liberalism, socialism, and republicanism.

PHP3786: Existentialism

3

The course offers a systematic introduction into the major issues and ideas of Existentialist thought, drawing on both philosophical and literary works of Jaspers, Heidegger, Sartre, deBeauvoir and Camus, among others. Topics include the definition of human nature, the relation to others, and the possibility of an Existentialist ethics.

PHP3790: American Philosophy

3

Description: This course is an introduction to the depth and variety of philosophical movements that have occurred in the Americas. While much of the course will focus on canonical philosophies and philosophers of the United States such as Henry David Thoreau, Charles Sanders Pierce, William James, and John Dewey, the course will also introduce students to Native and Latin American philosophers and philosophies.

REL2300: (CD) Comparative Religion

3

Comparative Religion first introduces students to the major religions of the world, and then seeks points of comparison between those religions in an effort to come to terms with the common bases of human religious experience.

REL2930: Selected Topics

v. 1-4

Variable topics in religion.

REL3040: Theories of Religious Studies

3

Description: Understood as an advanced course in theory and method, this course will help students bring together the various theorists important to the academic study of religion whom they have studied previously in their course work for the Religious Studies major and help them to understand the development of Religious Studies as an academic discipline.

REL3074: (CD) Myths and Rituals**3**

Description: This course will examine the use of myths, rituals and symbols in the structuring of religious worlds of meaning or "sacred worlds." For this study a "religious" world will refer to a world that is structured from a "sacred" source of life-giving power for the human and natural world. The focus of the course will be the study of Native American stories, practices, and symbols that exemplify a "religious world". The second part of the course studies the effects of modernity on myths, rituals and symbols through a study of the process of secularization. The final part of the course concerns re-mything processes in postmodern culture through a study of current approaches to reestablishing a sacred context using myths, rituals and symbols.

REL3101: Religion and Popular Culture**3**

If modern society is, indeed, becoming more secular, what does this mean for the continuing influence of religion? Institutional religion seems to be less and less significant in the lives of individuals, yet the "religiousness" of those individuals persists. This course will explore the presence of themes and functions traditionally associated with religion as they are found in less clearly "religious" aspects of popular culture. This focus will raise questions about the definition of religion and point to the power dynamics implicit in the act of defining.

REL3102: (CD) Religion as Culture**3**

This course will introduce students to one of the primary approaches to Religious Studies: the Social Scientific Study of religion as culture (other, complementary, approaches being History of Religions/Comparative Religions and Philosophy of Religion). We will begin with a unit examining classical theorists (Durkheim and Weber), current theoretical developments and exploring some key methodological issues. In Units Two and Three we will draw on case studies illustrating religious diversity to refine/apply our understanding of theory and method.

REL3110: Religion and the Arts in the US**3**

Description: This course is a study of religious ideas and cultural forms in the United States through an examination of a variety of genres including novels, movies, music, art, poetry, essays, and sermons.

REL3111: Religion and Film

3

Description: The course explores the politics of representing religion at key moments in both film and religious history. The films, regions, and eras will vary according to the instructor. Issues might include representations of religious belief, practice, individuals, and institutions and constructions of nation, race, gender, and sexuality. The course will consider what the processes of movie production and the cultural experience of movie going can disclose about modern religious life.

REL3120: Religion in America

3

This course will give students an overview of the variety of religious expressions found in the United States. We will begin with a unit designed to provide historical context, and then move to a unit that explores the development of social and political conflict around religion and religious issues, and conclude with a unit that provides a sampling of current movements and trends in religion. In each unit, we will pay attention to the practice of religion (as opposed to merely emphasizing belief systems) as well as to the relationship between religion and culture. Through readings, lectures, class discussions and a group project, the course explores the growth and diversity in American religion and the conflict produced by that diversity.

REL3127: Religion and the Courts

3

Religion in America is profoundly shaped by a "religious free market" rooted in the separation of church and state and the first amendment religion clauses. Yet, when the first amendment religious clauses were written, they limited only the federal government (Congress). This course will explore the evolution of the first amendment religion clauses from the Bill of Rights, through the fourteenth amendment applying the religion clauses to the states, culminating in a discussion of important religion cases currently before the courts. Special attention will be paid to the

role of specific religious traditions in the development of religious freedom, the significance of this legal status of religion for the religious character of American culture broadly and for the distinctive cultures of American religious traditions.

REL3146: Women and Religion: The Western Experience

3

Description: This course involves a historical examination of the connection between gender and religion in Western culture. The role of women in the Judaic-Christian tradition will be the focus. Attention will be paid to the transition of emphasis on the female principle in early spiritual movements to the patriarchal structure of contemporary religious expression.

REL3148: Religion and Violence

3

This course will explore the relationship between religion and violence by looking at studies of several different groups (Muslims, Jewish, Christian, and Buddhist) that claim religious justifications for violence. We will then explore some theoretical perspectives aimed at explaining what many see as this paradoxical relationship. Finally, we will look at American cultural religion (sometimes called American Civil Religion) to explore the ways in which Americans have sacralized and memorialized recent acts of ritual violence. There are no prerequisites for this three credit hour course. Instructional methods include readings, lecture, discussions and a group project.

REL3152: Race and Religion in the United States

3

Description: This course is an interdisciplinary theoretical inquiry into ethnicity, race, and religion as constituents of personal and communal identity. While the geographical focus is on North America, the class will explore questions and theories that have applications globally. Depending on the instructor, the course will examine theories pertaining to global migrations, colonial and postcolonial relations, diasporic communities, and religious pluralism.

REL3168: Religion and Nature**3**

Description: This class will explore the intersection of religion and nature through religious texts and specific case studies. Students will read primary sources from a variety of religious traditions and secondary, or interpretative, texts to gain a deeper understanding of the varieties of religious worldviews people have constructed to understand themselves in relationship to the natural world. The course will examine case studies from numerous religious traditions.

REL3175: Ethics East and West**3**

Description: This course explores ethical theory and some contemporary ethical problems from a comparative perspective. The focus will be on Asian approaches to ethics, and how differing views of nature and human nature alter the quest for what is good and for the good life. We will discuss the Hindu, Confucian, Taoist and Buddhist traditions, as well as contemporary Japanese theory.

REL3213: Hebrew Bible/Old Testament**3**

Students will explore the classical Old Testament texts as well as historical background material and will exchange their views in classroom discussions. This class will seek to encounter the great adventure of the human race discovering itself and its place in the world—a challenge which still confronts us with greater urgency in our own time.

REL3241: New Testament**3**

Students will explore the classical New Testament texts as well as historical background material and will exchange their views in classroom discussions. This class will seek to encounter the great adventure of Christianity discovering itself and its place in the world—a challenge which still confronts Christians with even greater urgency.

REL3293: Selected Topics:

Biblical/Scriptural Studies**3**

May be repeated for a total of 9 credits under different topics.

REL3330: Religions of India**3**

This course studies the major religions that originated in India or which have had major influence upon the Indian subcontinent. It is a critical analysis of some of the primary scriptures and a respectful comparison with European and American philosophical ideas and religious beliefs. The course will focus upon Hinduism, Buddhism, and Islam, but there will be consideration of the Jains, the Sikhs, the Zoroastrians, and upon Jews and Christians in India.

REL3340: Introduction to Buddhism**3**

Description: In this course we will critically engage Buddhist philosophy and religion, from its origins in ancient India to its spread across Asia and its impact on the contemporary world. The course will include a focused survey of key ideas, practices, and texts, and a more in-depth examination of one particular idea, practice, or text.

REL3345: Zen Buddhism**3**

Description: Zen is the meditation school of traditional Buddhism. This course is a critical examination of the literary, philosophical and historical roots and teachings of Zen. We will begin with a general introduction to Buddhism, then read some Chinese and Japanese Zen texts, in an effort to understand them as expressions of Asian culture, as responses to philosophical problems, as exercises testing the limits of reason, and as expedient means to awaken "the true self of compassionate wisdom."

REL3380: American Indian Religions**3**

Description: This course will introduce students to the diverse religious traditions of American Indians and the major theoretical

and ethical concerns related to the study of American Indian religions. Class topics will include theoretical models useful to studying American Indian religions, case studies about specific eras and tribes, and modern concerns, such as the Native American Graves and Repatriation Act. The course will consider a diversity of practices, ranging from traditional ceremonies and American Indian Christian practices.

REL3405: Jewish and Islamic Thought **3**

Description: Often medieval philosophy is presented in its Christian guise alone, giving the impression that the medieval philosophical tradition, influenced by the great thinkers of Greek antiquity, is exclusively a Latin tradition, with no substantive contribution by those who wrote in Arabic and Hebrew. We shall revise this view. Our focus will be a select group of philosophers who lived between the 10th-12th centuries, a roughly three hundred-year period that is a high point in medieval Jewish and Islamic philosophy—a time before Greek philosophy was rediscovered in Christian Europe. Philosophers to be studied in some detail are Saadya Gaon, Al-Farabi, Ibn Rushd, and Maimonides, and in addressing topics in the philosophy of language, metaphysics, epistemology, cosmology, philosophical psychology, and especially in philosophy of law, ethics, and political philosophy.

REL3420: Twentieth Century Religious Thought **3**

This course surveys the major movements of religious thought in this century: Idealism, Ethical Theism, Naturalism, Philosophies of History and Culture, Theology of History and Culture, Sociology and Religion, Pragmatism, Phenomenology of Religion, The New Physical and Christian Apologetics, Realist Metaphysics, Neo-Thomism, Logical Empiricism, Existentialism.

REL3456: Japanese Philosophy and Religion **3**

Description: This course will explore Shinto, the indigenous world-view and practices of Japan; Japanese Buddhism, including Zen,

Pure Land, and Nichiren; bushido, or the samurai spirit; distinctive contributions of Japanese thinkers to neo-Confucianism; and Japanese aesthetics. As we do so, we will explore the differences between orientalism and responsible approaches to non-western cultures and philosophies. We will also discuss Japanese responses to the Buddhist problem of original enlightenment, think through the role of ritualized activities in Japanese culture, and learn what the hierarchical nature of Japanese language can tell us about life in Japan.

REL3457: Chinese Philosophy & Religion **3**

Description: This course traces the historical development of the major, traditional movements in thought, religion, and philosophy. Beginning with the Chinese classics, it explores the ideas of Confucianism, Mohism, Daoism, Legalism, Buddhism, and Neo-Confucianism. Readings in primary sources are emphasized.

REL3460: Philosophy of Religion **3**

Description: This course approaches religion as a phenomenon common to human experience. Religion is examined from the perspective of reason rather than revelation. Philosophy of religion is concerned with philosophical conceptions of deity, the truth claims of differing religions, of revelation, faith, and the problem of verification.

REL3630: American Judaism **3**

Description: Jews have contributed to the United States'™ religious diversity for over 350 years, starting off as small pockets of communities on the eastern seaboard. By the 1950s, the US became home to the largest, most prosperous, and most secure Jewish community in modern history. This course surveys the history of American Jews from the 18th century to the 21st century. We will explore the following questions: Why did millions of Jews come to the United States? How has life in a liberal political and capitalist economic order shaped the Jewish experience in America? In turn, how have Jews influenced American culture, politics, and society? Topics will include politics,

Southern Judaism, Jewish culture, inter-ethnic group relations, gender and sexuality, popular culture, and identity.

REL3930: Selected Topics: History of Religion

3

May be repeated for a total of 9 credits under different topics.

REL3931: Special Topics: Christianity

3

Description: The content of this course will vary depending on the faculty member offering it but it will focus on the Christian Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and others in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve.

REL3932: Special Topics: Judaism

3

Description: The content of this course will vary depending on the faculty member offering it but it will focus on the Jewish Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and others in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve.

REL3933: Special Topics: Islam

3

Description: The content of this course will vary depending on the faculty member offering it but it will focus on the Muslim Tradition.

It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and other in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve.

REL3934: Special Topics: Hinduism

3

Description: The content of this course will vary depending on the faculty member offering it but it will focus on the Hindu Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and other in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve.

REL3935: Special Topics: Buddhism

3

Description: The content of this course will vary depending on the faculty member offering it but it will focus on the Buddhist Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and others in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve.

REL3936: Selected Topics: Religious Thought

3

May be repeated for a total of 15 credits under different topics.

REL4151: Anthropology of Religion **3**

Description: This course explores the cultural conceptions of supernatural reality with an emphasis upon comparative understanding of myth and ritual, the religious experiences and revitalization movements.

REL4159: Sociology of Religion **3**

Description: This course is an introduction to the sociology of religion. Students will read major works by leaders in the field, and examine the ways in which religion interfaces with and affects other social institutions. Particular attention will be given to current controversies in the social scientific study of religion.

REL4296: Sociology of the Bible **3**

Description: This course surveys both the Hebrew scriptures and the New Testament from the perspective of modern social science, and situates the Bible in its historical and cultural context. Principal themes include: the evolution of theology and ritual, issues of dating and authorship, and the comparative religion of the ancient Mediterranean. The importance and relevance of the Bible for Western culture is also examined.

REL4353: Confucianism **3**

Description: This course will explore the thought and influence of one of the most influential people of all time, Confucius. Much of what we see today as distinctive contributions of East Asia to world culture comes from a Confucian approach to the world. We will begin in ancient China with the great Confucian classics, and then proceed historically through movements and developments in Confucian thought, from the Analects and the Mengzi to Dong Zhongshu, Zhu Xi, and New-Confucianism as it exists today. We will examine questions of how to categorize Confucianism: philosophy, religion, both, neither? We will also explore the Asian

Values controversy and discuss the rise of Confucianism in contemporary China, including various Confucian responses to problems such as human rights, environmental ethics, and bioethics.

REL4404: Comparative Muslim Cultures

3

Description: This course concerns popular or local "Islams" throughout the world. This course will take an anthropological perspective and will use Muslim examples to explore the theoretical and methodological issues involved in the study of religion. We will also employ a variety of approaches to the study of religion to help the student understand a variety of social and cultural phenomena including religious education, the construction of gender identities, revitalization movements, fundamentalism, and religion and politics. The anthropological approach to Islam is clearly distinct from a theological or philological one. In other words, we will concentrate more on the culture and practice of contemporary Muslims than on Islam's sacred texts. We are particularly interested in the cross-currents that are found in otherwise diverse societies.

REL4900: Directed Independent Study

Religious Studies

v. 1-3

Prerequisite: consent of instructor, program coordinator, and department chairperson. May be repeated for up to 6 credit hours, check enrollment restriction. This course will allow students to design a religious studies course to fit their own needs and interests. Broadly speaking it will examine the phenomenon known as religion in an impartial, academic manner. The course might compare aspects of the variety of the world's religions, ask philosophical questions about the nature of religion, and/or explore the relationship between religions and the larger cultural context in which religions are found.

REL4910: Senior Seminar Capstone

3

Prerequisite: REL 2300 and REL 3102 and REL 3040

Description: This course should bring together the theoretical and methodological skills developed in the major and apply them to a specific area of data that could vary by instructor and/or by

student interest. This is as an undergraduate thesis course. Students will learn how to put together their own research project within a supportive setting. Students will select their own topic and spend most of their time working on it. Class sessions will be oriented towards identifying research methods and then strategies for honing a research project and getting it to its final product. The skills developed and, at the culmination of the course, demonstrated, will be those skills the Religious Studies Major is designed to foster: clear writing, thinking, the ability to engage systematically with theoretical models and the ability to see the world through the eyes of someone else.

REL4930: Advanced Special Topics:

Buddhism

3

Description: The content of this course will vary depending on the faculty member offering it but it will be an advanced study on some aspect(s) of the Buddhist Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and others in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve. In this advanced level course, students will build on the skills acquired in their lower level courses.

REL4936: Advanced Special Topics:

Hinduism

3

Description: The content of this course will vary depending on the faculty member offering it but it will be an advanced study on some aspect(s) of the Hindu Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and others in the Religious Studies major will

help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve. In this advanced level course, students will build on the skills acquired in their lower level courses.

REL4937: Advanced Special Topics:

Judaism

3

Description: The content of this course will vary depending on the faculty member offering it but it will be an advanced study on some aspect(s) of the Jewish Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and other in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve, in this advanced level course, students will build on the skills acquired in their lower level courses.

REL4938: Advanced Special Topics:

Christianity

3

Description: The content of this course will vary depending on the faculty member offering it but it will be an advanced study on some aspect(s) of the Christian Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and other in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve. In this advanced level course, students will build on the skills acquired in their lower level courses.

REL4939: Advanced Special Topics: Islam

3

Description: The content of this course will vary depending on the faculty member offering it but it will be an advanced study on some aspect(s) of the Muslim Tradition. It will exemplify the academic approach to the study of religion which, as an interdisciplinary field of inquiry, explores varied meaning-making systems in all their complexity including beliefs, practices, texts, history and social-cultural functions. Rather than approaching religions from the standpoint of a believer seeking "Spiritual Truth," this course and others in the Religious Studies major will help students gain an understanding of the origins of particular traditions, how they function, and what purposes they serve. In this advanced level course, students will build on the skills acquired in their lower level courses.

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Undergraduate Courses

Communication

ADV3008: Principles of Advertising **3**

Prerequisite: MMC 1004, MMC 3105, and MAR 3023 or ADV 3812

Description: Theory, principles and functions of advertising; its role in economic, social and marketing structure. Copy and design in newspapers, magazines, radio and television are studied. Projects involving preparation of a simple campaign and its ads.

ADV3101: Advertising Creative Strategy **3**

Prerequisites: ADV 3008 and MMC 1004 and MMC 3105

Description: Preparation and production of advertising copy for all media.

Course Fees: \$10

ADV3200C: Advertising Design **3**

Prerequisite: ADV 3008, MMC 1004, MMC 3105, ADV 3101, and ADV 3203

Description: The problems of designing graphic material to sell products and services. The preparation of roughs and comps and their presentation. The effective use of illustration, typography, and photography. Open to Literature, Communications, and Marketing majors.

Course Fees: \$15

ADV3203: Advertising Media Graphics **3**

Prerequisite: MMC 1004

Description: This course is for people with little or no experience with current photo editing and design software. Students will become acquainted with the basic functions of these programs. Use of type, color, basic design elements and word/page processing will be covered. Students will gain an understanding of available desktop publishing applications and how to successfully utilize these applications for advertising purposes.

Course Fees: \$15

ADV3300: Media Planning

3

Prerequisite: ADV 3008 and MMC 1004 and MMC 3105 and MMC 4420 or ADV 3500

Description: This course will teach students to critically and strategically plan, select and evaluate media for advertising purposes. The principles of media planning and buying will be emphasized. Students will study audience measurement, media research, audience segmentation and marketing strategies.

Course Fees: \$10

ADV3500: Advertising Research Methods

3

Prerequisite: ADV 3008 and MMC 1004 and MMC 3105 and MMC 3614

Description: This case-based course involves the acquisition, evaluation, and analysis of information for advertising and marketing decisions. Primary and secondary research projects are designed, executed, analyzed and presented by students. Emphasis is given to six primary areas: understanding the scientific method for answering brand- and marketing communications-based questions; developing explicit and measurable research objectives; developing adequate research plans to solve those objectives; selecting and implementing appropriate methodologies to answer the questions proposed by the objectives, analyzing data; and preparing the reports that communicate the results of the research.

Course Fees: \$10

ADV3812: Integrated Marketing Communication

3

Description: The primary objective of the course is to provide students with the fundamentals of Integrated Marketing Communication (IMC). Students will learn the basic concepts of advertising, public relations, promotion, branding, and direct marketing and apply them to IMC campaigns.

ADV4404: Strategic Branding

3

Prerequisite: ADV3008 or PUR3000

Description: The primary objective of the course is to provide students with a comprehensive analysis of branding, brand equity and strategic brand management. The course will explore the design and implementation of marketing programs to build, measure, and manage brand equity.

ADV4800: Advertising Campaigns

3

Prerequisite: ADV 3008 and ADV 3101 and MMC 1004 and MMC 4420 or ADV 3500 and MMC 3105

Description: This course is designed to give students an opportunity to plan and execute a full-scale advertising campaign. The students will develop and analyze a specialized advertising plan designed to reach designated target audiences for a specific client. The plan will incorporate all elements necessary to implement an effective campaign.

Course Fees: \$75

ADV4930: Special Topics in Advertising

3

Prerequisites: MMC 3105, ADV 3008 This course will explore important issues pertaining to the theory, research, and practice of advertising in a seminar format. Issues will vary from semester to semester. The course may be repeated up to a total of 6 credits.

COM3003: Principles of Communication Studies

3

Prerequisites: SPC 2608 or SPC 4064

Description: This course will examine the historical and theoretical traditions in the discipline of communication studies. Topics covered in this course will include interpersonal, language, nonverbal, group, intercultural, organizational, mass, and public communication. Students will read and discuss research as well as participate in individual and group learning activities that examine theories of human communication.

COM3042: Interpersonal Communication

3

Prerequisite: SPC 2608 or SPC 4064

Description: This course will introduce theories regarding the role of dyadic interaction in both personal and professional contexts.

Topics include relational development, perception, self-concept, listening, language, nonverbal communication, culture, emotions, and conflict.

COM3120: Organizational Communication **3**

Prerequisite: SPC 2608 or SPC 4064

Description: Students will survey theory and research relevant to the study of organizational communication. They will also examine how communication processes shape and reshape the activities of organizing within and between organizations.

COM3332: Mediated Communication **3**

Prerequisite: SPC 2608 or SPC 4604 and COM 3003

Description: Mediated Communication presents an introductory-level survey and overview of various new communication technologies and social media platforms. Through a discussion of their utility, functions, and roles within our society, their uses and implications across interpersonal, professional, cultural, and global contexts are assessed. This course looks at current trends in the rapidly evolving culture of mediated communication through the lenses of human communication. The impact of the evolution of the web, mobile technology, social media, and other types of digital communication are explored.

COM3346: Interviewing: Theories and Methods **3**

Prerequisite: SPC 2608 or SPC 4064

Description: This course will examine the research and methods of interviewing, including employment interviewing, journalistic interviewing, and focus group and oral history interviewing. Students will explore the theories of interviewing from both an employer's and an employee's perspective, as well as that of a broadcaster, a news reporter, and an academic. In addition, students will learn theories of the role of the interviewee. This course emphasizes researching and applying interviewing theory.

COM3440: Small Group Communication **3**

Prerequisites: SPC 2608 or SPC 4064

Description: This course will introduce theories regarding the

interaction of individuals in groups, and techniques of discussion applied to goal-oriented small group situations. Assignments and activities will increase understanding of communication in groups encountered in both personal and professional contexts. Topics considered include systems theory, decision-making, problem-solving, leadership, power and status, parliamentary procedure, and group development. This course includes consideration of research methods, leadership, and conflict resolution applied to active community based learning as well as classroom learning activities.

COM3752: Listening

3

Description: Listening is a valuable and necessary skill that is useful to just about any discipline. Some disciplines that would especially benefit from listening skill building include, but are not limited to: Communication, Psychology/Counseling, Criminal Justice, Political Science, Health Professions and Business. This course is interactive and designed to build listening skills such as: short-term and long-term memory, listening with interruptions, note-taking skills, comprehension and relational listening.

COM4022: Theory and Research Methods in Health Communication

3

Prerequisite: COM 3042 or by Permission of Instructor This course will focus on theory and research methods in interpersonal, small group, and organizational communication in health contexts. Students will become familiar with theory relating to health communication; examine various research methods used in health communication research; and will demonstrate proficiency with theory by analyzing various health communication studies.

COM4044: Lying and Deception

3

Description: This course will cover a number of issues surrounding lies, truth, deception, nonverbal and verbal deception leakage cues, and ethical perspectives surrounding lying and deception. This course examines lying and deception from many angles such as: lying and deception in the media, politics, the

internet, hoaxes and scams, interpersonal relationships, children as liars and targets of lies, teenage lying and deception, self-deception, the validity of lie detectors, how to read subtle deception cues, what is truth, and a host of other contexts where lying, truth telling and deception come into play. This is a research-based course and studies many videos and articles to support every lecture and assignment.

COM4301: Communication Theory and Research Methods

3

Prerequisite: SPC 2608 or SPC 4064

Description: Students will survey major theoretical approaches to and research methods in communication studies. Methods examined and used include content analysis, naturalistic inquiry, narrative analysis, interaction analysis, and triangulation approaches. Students will focus on conceptualizing, designing, interpreting, and reporting research. Differences between quantitative and qualitative research methods and the conceptual and practical knowledge of the communication research process form important areas of the course experience.

COM4373: Consequences of Cyberculture

3

Description: Consequences of Cyberculture presents an advanced, comprehensive, and critical examination of interpersonal, organizational, and social implications created by the Internet. The Internet and associated digital communication technologies have changed the way that humans around the globe interact, and have created a dynamic cultural shift in human communication behavior. This course will explore how the social web and emerging communication technologies facilitate, influence, and effect globalization, human relationships, social interaction, civic engagement, social discourse, privacy, and ethics. The processes of relationship formation and maintenance, information dissemination, mobile communication, and the transmission of messages instantaneously, virally, and cross-culturally are also examined.

COM4411: Communication and Popular Culture

3

Prerequisite: MMC 3614 or Permission of Instructor This course studies media, whether TV, advertising, film sports, music, fiction, or some other means by which a culture is formed. Students could investigate popular icons, rituals, myth, archetypes, formulae, or heroes/heroines as elements in collective experience that reflect and contribute to the formation of a culture's beliefs, mores, customs, attitudes, or laws. How pop culture is constructed, deconstructed, and maintained and how gender, ethnicity, or class are factors in cult reception as media, through its various elements, create apparent needs in a mass society. The class will apply theories, such as semiotics, genre theory, and ideology to internet media events as means for communicating and forming/reforming culture. A guiding quest is: What do particular popular cultural artifacts communicate and how do they function in the life of culture? Another is: What is gained, damaged, or lost as media participate in virtually every aspect of a culture?

COM4430: International Communication

3

Prerequisite: SPC 2608, SPC 4064, MMC 3614 or permission of instructor

Description: This course examines the influence and roles of international communication in our increasingly globalized world. The course treats history, theories, and selected current issues and problems of international communication. It will explore issues in organizations, national sovereignty, international news media, global conflict and cooperation, human rights, diffusion of communication technologies, global medial culture, and international media regulation. Therefore, the course will be informed by interdisciplinary theoretical frameworks and methodological approaches. Students will take part in a simulation of the United Nations in which they act as delegates of various nations and/or UN officials seeking multilateral solutions to complex and often vexing international communication problems.

COM4561: Strategic Social Media

3

Description: Strategic social media prepares students with industry-standard skills and techniques to utilize a variety of new and social media platforms for organizational purposes. Exploring professional uses of social media across a variety of industries, students examine the strategy and outcomes associated with

digital content management, campaign planning, consumer engagement and interaction, social listening, online brand and reputation management, ethics and governance. Using historical milestones, case studies, emerging theories, and best practices, students come to recognize and understand the innovative and ever-evolving nature of the contemporary new media landscape in applied, pragmatic, and theoretical contexts.

COM4930: Special Topics in Communication Studies

3

Prerequisites: COM 3003 or permission of instructor This course will feature subjects of importance in communication studies which involve research, readings, student presentations, and discussion in a seminar format. Featured subjects could be race and communication, gender and sexuality in communication, terrorism and communication, or such other subjects that invite scholarly communication inquire and serious focused discussion.

JOU3109: Multimedia Reporting

3

Prerequisite: MMC 3105 and MMC 1004

Description: Reporting techniques, interviewing and the basic elements of multimedia news production are covered. In addition, the course introduces students to various reporting specialties, including courts, business, government, health, science, and sports. Students will be involved in completing both in-class and out-of-class assignments.

Course Fees: \$10

JOU3308: Magazine Feature Writing

3

Prerequisite: MMC 3105 and JOU 3109 and MMC 1004

Description: his course introduces students to techniques used in writing feature stories for magazines. Students will be involved in selecting, researching and writing their own stories, which they will attempt to sell to appropriate magazine markets.

Course Fees: \$10

JOU3342: Multimedia Storytelling

3

Prerequisite: JOU 3109, MMC 3105 and MMC 1004

Description: This course will provide continuing instruction in

reporting techniques learned in JOU 3109. Students will engage in the reporting process and publish their work across the print, broadcast/cable, and Internet outlets of the Department of Communication.

Course Fees: \$30

JOU3925: Applied Journalism **3**

Prerequisite: MMC 1004, MMC 3105, and JOU 3109

Description: This course provides students with a supervised experience in news writing and editing utilizing either the campus newspaper or another local newspaper or magazine. Students will receive hands-on experience in writing feature and news as well as some specialized stories.

Repeatability: Applied Journalism may be repeated up to six credits, but not for major credit.

Course Fees: \$10

JOU4117: Seminar in Reporting Techniques **3**

Prerequisite: JOU 3204 and MMC 3105 and JOU 3101

Description: Students enrolled in this course will explore advanced, topical news reporting and writing techniques. Topics may include precision journalism, diversity journalism, research techniques, interviewing techniques, and various reporting specialties, such as sports, the arts, public affairs, or the environment.

JOU4228: Advanced News Design **3**

Prerequisite: MMC 3105 and JOU 3109 and JOU 4223 and MMC 1004

Description: Advanced News Design is a continuation of News Editing and Design. This course emphasizes advanced design techniques for print- and Web-based news publications. Students will be involved in completing both in-class and out-of-class assignments.

JOU4348: Advanced Multimedia Storytelling **3**

Prerequisite: MMC 3105 and MMC 4500 and JOU 3109 and JOU 3342

Description: This course will provide continuing instruction in reporting techniques learned in JOU 3109 and JOU 3342 . Students will engage in the reporting of more complex topics through long-form magazine style storytelling and publish their work across the print, broadcast/cable, and Internet outlets of the Department of Communication. This course may be repeated one time for 3 additional credits.

Course Fees: \$30

JOU4930: Special Topics in Journalism **3**

Prerequisite: MMC 3105 and MMC 4500

Description: This course will explore important issues pertaining to the theory, research, and practice of journalism in a seminar format. Issues will vary from semester to semester.

Repeatability: The course may be repeated up to a total of 6 credits.

MMC1004: Media Literacy **3**

This course is designed to acquaint the student with the nature of mass media systems and their impact on society. The course seeks to generate an understanding of production methods, economic influences and behavioral effects of media.

MMC2701: (CD) Communicating Across Cultures **3**

This course will review the issues involved in effective cross-cultural communication, at the levels of both interpersonal communication and communication through the mass media. Students will be encouraged to explore their own cognitive barriers to communicating across cultures and ways to overcome those barriers.

MMC3001: Social Media for Communication **3**

Prerequisite: MMC 3105

Description: The objective of this course is to introduce students

to methods of utilizing social media as a tool for researching and presenting information, such as news stories or persuasive messages. In addition, students will gain an understanding of how to use analytics to ascertain how well their social media efforts are succeeding. Finally, students will then use that knowledge and skill to create and disseminate messages via social media platforms to the public.

MMC3105: Advanced Writing for the Media **3**

Prerequisite: MMC 1004

Co-requisite: MMC 3614

Description: This course is an advanced, skills-based writing experience designed to prepare students to enter discipline-specific writing courses at the upper division. The course focuses on writing techniques used by communications professionals. Weekly lectures and small, intensive writing labs enable students to develop strong, professionally oriented writing skills.

Course Fees: \$10

MMC3200: Law and Ethics of Communications **3**

Prerequisite: MMC 1004

Description: Study of mass communications ethics, codes and performance. First Amendment law, libel, privacy and other legal aspects of communications are explored. Case-study questions.

MMC3402: Political Advertising **3**

In this course students will examine the works of those who produce, cover and consume political advertising. Through the course readings and written assignments, through class discussion, and through viewing political ads produced over the past 50 years, students will recognize the many media strategies that are used to package candidates.

MMC3614: Media Theories and Effects **3**

Prerequisite: MMC 1004

Co-requisite: MMC 3105

Description: This course introduces students to mass media theories scholars use to study the effects of media messages.

Students will also read and discuss research illustrating the media's impact on individuals, society, and cultures. Topics include the media's relationship to stereotyping, images of sexuality, violence, values, and globalization.

MMC3703: Multimedia Storytelling in Sports

3

Description: This course will cover the relationships between the sports industry, athletes, media, and audience. It will consist of lectures, discussion, sports media critiques, and guest speakers to meet the course objectives.

MMC3711: Multimedia Graphics

3

Prerequisite: MMC 3105

Description: Students will become acquainted with the basic functions of graphics and principles of design for print, Web and video. The use of type, color and basic design elements will be covered.

MMC3942: Pre Internship in Communication

1

Prerequisite: MMC1004, AND MMC3105,

Description: This course prepares students for internship placement in approved organizations. Students explore the core ethical principles, skills and organizational culture related to their profession. Detailed individual research projects supplement classroom discussion in preparation for field placement of student.. Sophomore or higher standing.

MMC4251: Creating Health Messages for Mass Media

3

Prerequisite: Completion of MMC 3105 with a grade of C or higher. This course prepares communication majors to create health-related messages to be disseminated in various media to specific target audiences for specific strategic objectives. Students will: develop a health topic using major medical databases; create a report targeted for a specific audience; gain increased

awareness of the opportunities and requirements for health communication careers; and increase their own health literacy levels.

MMC4420: Mass Communications

Research

3

Prerequisites: MMC 1004, MMC 3105, MMC 3614, and; STA 2014 or STA 2023

Description: This course introduces students to mass communications research techniques and topics. Students will explore various social science research methods, including surveys, experiments and field research. Students will be expected to create and implement one or several research projects during the course.

Course Fees: \$10

MMC4422: Advertising & PR Research

3

Prerequisite: MMC 1004, MMC 3105, and ADV 3008 or PUR 3000

Description: This case-based course involves the acquisition, evaluation, and analysis of information for strategic communication such as advertising and public relations. Primary and secondary research projects are designed, executed, analyzed and presented by students. Emphasis is given to six primary areas: understanding the scientific method for answering brand- and marketing communications-based questions; developing explicit and measurable research objectives; developing adequate research plans to solve those objectives; selecting and implementing appropriate methodologies to answer the questions proposed by the objectives, analyzing data; and preparing the reports that communicate the results of the research.

MMC4500: History of Mass Communication

3

Prerequisite: MMC 1004 and MMC 3105

Description: This course offers a historical investigation of mass communication in the United States. The course examines American media development and history as a product of the social, cultural, historical, and political environment.

MMC4630: Understanding Emerging Media 3

Prerequisite: MMC 1004 and MMC 3105 and PUR 3000 or ADV 3008 or MMC 4500

Description: This course is designed to provide students with a basic understanding of various new communication technologies in the United States and how they are incorporated into the interactive marketing communication process. In addition to marketing communication implications, this course provides the critical perspective of new media technologies as well.

MMC4732: Social Media Management 3

Prerequisites: ADV 3008, PUR 3000, MMC 4500, MMC 3105

Description: Students will learn web analytics, social media analytics, and search engine optimization skills by many hands-on skill-based projects. Students will also learn theoretical and critical perspectives on social media phenomena: principles of social influence, virality, and online privacy. Most importantly, students will be required to write original, professional quality pieces to publish in at least three social media outlets every week. By integrating creatives and analytics, student will be able to learn the power of writing and the dynamics of social media management firsthand.

MMC4905: Independent Study v. 1-3

Prerequisite: Consent of instructor or department chairperson. May be repeated for a maximum of 12 credits under different topics.

MMC4930: Special Topics in Mass Communication 3

Prerequisites: MMC 3614, MMC 3105 and consent of instructor
This course will explore important issues pertaining to the study of mass communication in a seminar format. Topics and issues will vary from semester to semester. The course may be repeated up to a total of 6 credits.

MMC4975: Internship Senior Project 3

Prerequisite: MMC 3942, COM 3003, COM 3120, COM 3042,

COM 3752 and COM 3332

Description: This course is the capstone for the Communication Major. An internship enhances knowledge and skills acquired from coursework through a semester-long period of supervised field experience, extensive research, or both. A minimum of 210 hours of work at the internship site are required in addition to weekly progress reports, midterm and final evaluations from the professional supervising the intern, and a portfolio in which students detail and provide self-assessment of their experiences and relate the internship experience to knowledge of theory and its application gained from the major curriculum.

PUR3000: Principles of Public Relations 3

Prerequisite: MMC 1004 and MMC 3105

Description: The course is a survey of principles, policies and practice of public relations, focusing on planning, publics, techniques and agencies utilizing public relations.

PUR3100: Public Relations Writing 3

Prerequisite: MMC 1004, MMC 3105 and PUR 3000.

Description: Survey and practice in techniques of publicity writing in public relations. Layout of actual publicity campaign and preparation of information kits. Stress on actual uses with cooperating agencies.

Course Fees: \$10

PUR4400: Crisis Communications 3

Prerequisites: PUR 3000 and MMC 3105. Students will analyze the potential for crisis in various types of organizations. Students will examine factors in crisis situations, including development of crisis plans, coordination of internal disciplines, collection and dissemination of information, and restoration of public confidence. Research emphasis is on written and oral presentations.

PUR4450: Public Relations and Event Planning 3

Prerequisite: PUR 3000 and PUR 3100 and MMC 3105 and MMC 1004

Description: This course is an introduction to the planning and

production of special events with an emphasis on public relationsâ€™ principles, strategies and techniques. Students will be introduced to leaders in the field, prepare budgets, learn techniques for executing large- and small-scale projects and prepare an event plan. The course will culminate with a special event at the end of the semester.

Course Fees: \$15

PUR4800: Public Relations Campaigns **3**

Prerequisite: MMC 1004, MMC 3105, PUR 3000, PUR 3100, PUR 4801, MMC 4420, or Permission of Instructor.

Description: This course involves students in the practical analysis and development of specialized communication materials aimed at gaining attention and support from target audiences. Students will analyze and develop campaign plans. As a member of a public relations team, they will select a client from the community, design a complete public relations campaign, and make a presentation to the client, including a plan for implementation.

Course Fees: \$75

PUR4801: Public Relations Cases **3**

Prerequisites: PUR 3000, MMC 3105 Preparation and analysis of various public relations cases so as to study the decision-making in public relations as well as how various elements enter into the managerial and technical side of public relations. Part of course will use agency or team approach, along with simulation and other role-playing techniques.

RTV3001: Principles of Broadcasting **3**

Description: This course is a study of the processes, elements, uses and impact of broadcasting, cablecasting and multimedia. The course includes an introduction to broadcasting history, theory, research and new technologies.

RTV3220C: Television Production/Visual

Arts Television **3**

Prerequisites: MMC 3105. This course introduces students to the practices of television production, including camera and lighting,

as well as production planning and execution through the utilization of the crew system.

Course Fees: \$30

RTV3221: Digital Video Editing **3**

Prerequisite: MMC 1004 and MMC 3105

Description: This course is designed to develop students'™ video editing skills through the hands-on use of nonlinear video editing software. Students will learn the fundamental and advanced capabilities of these sophisticated digital systems, which are widely used in professional video production.

RTV3228: Multi Camera Video Production **3**

Prerequisite: RTV 3260 and MMC 1004

Description: This course will provide continuing production in production techniques learned in RTV 3260. The course focuses on the direction and production of multiple-camera studio video project including directing, producing, camera operation, audio, and live-to-tape switching.

Course Fees: \$30

RTV3260: Single Camera Video Production **3**

Prerequisite: MMC 1004

Description: This course addresses direction and production of single-camera video projects including producing, camera, audio, lighting, and non-linear editing.

Course Fees: \$30

RTV3545: Multimedia Sports Production **3**

Descriptions: This course will consist of immersive students live sports production participation, lectures, sports production critiques, guest speakers, and sports production facility tours to meet the course objectives.

RTV3601: Multimedia Announcing and Performance **3**

Prerequisite: MMC 1004, MMC 3105, and MMC 4500

Description: This is a performance course designed to teach

students how to use their voices for radio and television. It includes exercises in announcing, news reading and interviewing. It focuses on how to deliver clear, well-enunciated narrations in a conversational style, emphasizing proper use of pitch, diction and interpretation.

Course Fees: \$30

RTV3631: Producing TV News

3

Prerequisite: RTV 3000, RTV 3101

Description: Students will learn the skills most in demand by broadcasters, functioning as Producers and Writers behind the scenes in creating Radio and Television news programs for broadcast and cable at both the network and local level.

Course Fees: \$30

RTV4225: Corporate Production

3

Description: This course prepares students for professional production within the corporate/informational realm with particular attention toward a documentary-style narrative structure. Students will learn to properly research, develop and plan visions for corporate productions. Students will experience hands-on instruction in advanced camera work, lighting, and audio; students will also work extensively with industry standard editing software with an introduction to basic compositing and effects work in post-production.

RTV4291: Narrative Production

3

Description: This course is designed to introduce students to the production processes of visual/aural, time-based storytelling. Students will work on various projects using digital video production techniques. With an emphasis on professional video production, students will study all aspects of production from idea generation and conceptualization through post-production editing and sound design.

RTV4330: Documentary Fundamentals

3

Description: This course introduces students to documentary storytelling. Students will learn basic principles of non-fiction storytelling with emphasis on the aesthetic, intellectual, and ethical considerations involved in this cinematic form. Instruction will focus on the documentary process from preproduction and production through post-production.

RTV4403: Media Criticism

3

Prerequisite: MMC 1004 and MMC 3105 and MMC 4500 This course is designed to provide the student with an intensive critical study of media, in particular television, film advertising and music video. In this class the student will be building and refining both their critical interpretation skills and their writing proficiency through a series of discussions, critical analysis, screenings and papers.

RTV4408: Non-Fiction Programs: A Critical Analysis

3

Prerequisites: RTV 3000, RTV 3101 or permissions of instructor. This course is designed to provide students with an intensive study of non-fiction programs. In this class students will be building and refining both their critical interpretation skills and their writing proficiency through a series of discussions, critical analysis, screenings and papers.

RTV4581: Lighting for Production

3

Description: Through hands-on instruction, this course will build a fundamental understanding of lighting theory in order to effectively manipulate light to achieve the desired image on set and location for digital video recording. Assignments build in complexity throughout the semester illustrating the relative relationships between camera controls and lighting properties.

RTV4612: Digital Video Effects

3

Description: This course illustrates the techniques and practical application of visual effects to live action and motion graphics sequences using specific software. Topics address simulation of

natural environmental effects, realistic compositing of dynamic titles and pyrotechnic footage, and motion tracking with the focus centered on industry standards and procedures for planning, creating and applying such effects.

RTV4661: Advanced Television Production **3**

Prerequisite: MMC 1004, MMC 3105, RTV 3260 and RTV 3228

Description: This course will provide continuing instruction in techniques learned in RTV 3260 and RTV 3228. Students will learn and apply advanced techniques in production and directing television programs and video projects both in studio and on-location.

RTV4930: Special Topics in Electronic

Media **3**

Prerequisites: MMC 1004 and MMC 3105 and MMC 4500 This course will explore important issues pertaining to the theory, research, and practice of electronic media in a seminar format. Issues will vary from semester to semester. The course may be repeated up to a total of 6 credits.

RTV4931: Special Topics in Electronic

Media **3**

Prerequisite: MMC 1004 and MMC 3105

Description: This course will explore important issues pertaining to the theory, research, and practice of electronic media in a seminar format. Issues will vary from semester to semester.

Repeatability: The course may be repeated up to a total of 6 credits.

SPC2608: Fundamentals of Speech **3**

Introductory course emphasizing current theories of communication, audience analysis and persuasion. Preparation and presentation of speeches on topics of current concern. Conferences, evaluations and videotape replay provide personalized assistance. May be taken to satisfy teaching certification requirement in speech. (A material fee of \$5 will be assessed.)

SPC3540: Theories of Persuasion

3

Prerequisite: SPC 2608 or SPC 4064

Description: The primary goal of this course is to provide students with a solid grounding in theories, principles, and strategies of social influence as they apply to everyday contexts in which influence attempts take place. Students should gain familiarity with findings from empirical investigations on persuasion, social influence, and compliance gaining, and will learn about strategies and techniques of persuasion relation to a wide variety of real-life communication contexts, situations, and settings.

SPC4064: Public Speaking for Professionals

3

This course examines speaking as a workplace activity and provides students with experience in public speaking. The lectures will concentrate on communications theory, including but not limited to models of communication, interpersonal communication, group communication, persuasion, decision making and audience analysis and adaptation. The labs will be performance oriented. (A material fee of \$5 will be assessed.)

=

Undergraduate Courses

Physics

AST2002: Discovering Astronomy

3

Prerequisite: High school algebra and trigonometry

Description: This course is a survey of current knowledge of the astronomical universe and of how that knowledge has been accumulated. Students will study the solar system, stars, and galaxies, and will review contemporary research and exploration. This course will include occasional observing sessions and there will be three hours of lecture each week.

Availability: This course is normally available Summer, Fall and Spring terms.

AST2002L: Discovering Astronomy Lab

1

Co-requisite: AST 2002 or permission of the instructor

Description: This is an introductory laboratory course with exercises on vision and optics, telescope structure and design, and observing the sun, moon, planets, nebula, and other sky objects. Some required observing sessions will occur at times other than the scheduled laboratory class. This course will include three hours of laboratory.

Availability: This course is normally available Summer, Fall and Spring terms.

Course Fees: \$25

AST3217: Astrophysics I

4

Prerequisite: PHY 2049 with a minimum grade of "B" or permission of instructor

Co-requisite: PHY 3101 or permission of the instructor

Description: This course is an upper-level introduction to Astrophysics. It presents the physical and mathematical treatment of the properties of the universe and the bodies within it, including the formation, structure, and evolution of stars, stellar nucleosynthesis, binary stars, white dwarfs, neutron stars, and black holes.

Availability: This course is normally available alternate years only.

AST3402: Astrophysics II **4**

Prerequisite: AST 3217 or permission of the instructor

Co-requisite: PHY 3101 or permission of the instructor

Description: This course is part of a two-semester upper-level introduction to the Astrophysics sequence. It presents the physical and mathematical treatment of the properties of the universe and the bodies within it, including a study of the formation, structure and evolution of galaxies, galactic and extragalactic media, clustering and large scale structure and cosmology.

Availability: This course is normally offered alternate years only.

ESC2000: Discovering Earth Science **3**

Description: This course is an introduction to the Earth as a system including the lithosphere, atmosphere, and the hydrosphere. Topics for discussion will include the formation of the Earth and the evolution of its landscape, the atmosphere and principles of weather and climate, the dynamic ocean, comparison with other bodies in the Solar System and human impact on the Earth systems.

Availability: This course is normally offered Summer, Fall and Spring terms.

ESC2000L: Discovering Earth Science Lab **1**

Co-requisite: ESC 2000 or GLY 2010

Description: This course provides students who are taking, or who have previously taken, Earth Science Lecture (ESC2000) with the hands-on experience required to achieve a greater understanding of the topics covered in lecture. These include the study of rocks and minerals, plate tectonics, earthquakes, volcanoes, etc.

Course Fees: \$25

GLY2010: Physical Geology **3**

Description: Physical Geology is that branch of geology concerned with understanding the composition of the earth and

the physical processes that act on and beneath its surface, based on the study of rocks, minerals, and sediments, their structures and formations, and their origin and alteration. This course is designed for those students who may have taken Earth Science, but who wish to further their knowledge of Earth processes, but it is also designed, in part, for civil and coastal engineering students, plus coastal biology students, who require a foundation and basic understanding of Earth systems.

PHY1020: Discovering Physics: How things work

3

Description: This course will survey and explore fundamental concepts in physics and how these concepts can be used to understand the world around us. Topics covered include force, energy, electricity, magnetism, and the structure of matter. The course will emphasize conceptual understanding rather than mathematical problem solving. This course is not intended for students planning to major in science or engineering.

Availability: This course is normally available Fall and Spring terms only.

PHY1020L: Discovering Physics

Laboratory: How things work

1

Co-requisite: PHY 1020

Description: This laboratory will explore fundamental concepts in physics and how these concepts can be used to understand the world around us. It is to be taken with PHY1020 Discovering Physics: How things work as a co-requisite. Topics covered include force, energy, electricity, magnetism, and the structure of matter. The laboratory will emphasize conceptual understanding rather than mathematical problem solving. This laboratory is not intended for students planning to major in science or engineering.

Availability: This course is normally available Fall and Spring terms only.

Course Fees: \$25

PHY1024: Exploring Majoring in Physics

1

Description: This course will introduce students to the exciting field of physics, especially current topics of interest in physics research at UNF and beyond. Students will be mentored on how to succeed in physics and the many opportunities available to physics majors before and after their graduation with a degree in physics.

Availability: This course is normally available Fall term only.

PHY1028: Introduction to Physics

2

Description: The lecture is to prepare STEM majors for the lower-level physics course sequences in both calculus-based and algebra-based physics. This course is an introduction to classical physics involving a study of motion, fundamental forces, conservation laws of energy and momentum, light waves, electricity and magnetism. An exposure to the philosophy of science and the scientific method forms an essential component of this course. This course cannot be used by natural sciences majors to satisfy degree requirements.

PHY1028L: Introduction to Physics

Laboratory

1

Co-requisite: PHY1028

Description: This course explores the topics covered in the lecture course in a laboratory setting. This course focuses on student-driven experimental design and scientific thinking. This course is designed to allow students to explore physical phenomena and test relationships in part by self-inquiry. The skills acquired in this course can be applied in scientific and non-scientific industries. The laboratory exercises will involve topics such as kinematics of free fall and projectile motion, forces, laws of conservation of energy, optical laws of reflection and refraction, the behavior of lenses, and wave phenomena.

PHY1041: Physics for Engineers I

3

Prerequisite: PHY 1020

Co-requisite: MAC 2311

Description: This course is only for Civil, Mechanical and Electrical

Engineering declared majors. This course will enroll declared Civil, Mechanical and Electrical Engineering majors only. The course surveys fundamental laws and phenomena of mechanics, vibrations and waves, and selected topics in heat and fluids. Emphasis will be placed on the mathematical analysis of physical problems using calculus. The problems will involve physics applications to engineering when possible. Students who have passed a year of high school physics with a minimum grade of B can request to have the PHY 1020 prerequisite waived by the engineering student advisor.

PHY2042: Physics for Engineers II **3**

Prerequisite: PHY 1041 and MAC 2311

Co-requisite: MAC 2312

Description: This course is only for Civil, Mechanical and Electrical Engineering declared majors. This course will enroll declared Civil, Mechanical and Electrical Engineering majors only. The course surveys fundamental laws and phenomena of electricity, DC and AC electronic circuits, magnetism and selected topics in optics. Emphasis will be placed on the mathematical analysis of physical problems using calculus. The problems will involve physics applications to engineering when possible.

PHY2048C: Calculus-based Physics I **4**

Prerequisite: MAC2311 and PHY1028 (prior to Spring 2021 PHY1020 is acceptable)

Co-requisite: MAC 2312

Description: This course is a four credit hour, integrated lecture/laboratory class taught in a studio setting that promotes conceptual understanding of phenomena through collaborative problem solving and hands-on lab measurements. The theme of this course is to understand how and why things move. Topics covered include kinematics, forces, energy, momentum, oscillations, and heat. The course is intended for science majors and engineers. Calculus is used in this course.

PHY2049: Calculus-based Physics II **3**

Prerequisite: PHY 2048 or PHY2048C and MAC 2312

Description: This course is a continuation of PHY 2048 or PHY 2048C with emphasis on electricity, magnetism and light. This

course will be three hours of lecture.

Availability: This course is normally offered Fall and Spring terms only.

PHY2049L: Calculus-based Physics II Lab **1**

Co-requisite: PHY 2049 or PHY 2042

Description: This course is the laboratory course that accompanies the PHY 2049 or PHY 2042 courses. This course will be three hours of laboratory.

Availability: This course is normally offered Fall and Spring terms only.

Course Fees: \$25

PHY2053: Algebra-based Physics I **3**

Prerequisite: Either MAC 1105 and MAC 1114 or just MAC 1147; PHY1028

Description: This course is an introduction to mechanics, waves and heat. Calculus is not required in this course. This course will be three hours of lecture.

Availability: This course is normally offered Summer, Fall and Spring terms.

PHY2053L: Algebra-based Physics I Lab **1**

Co-requisite: PHY 2053

Description: This course is the laboratory course that accompanies PHY 2053. This course will be three hours of laboratory.

Availability: This course is normally offered Summer, Fall and Spring terms.

Course Fees: \$25

PHY2054: Algebra-based Physics II **3**

Prerequisite: PHY 2053

Description: This course is an introduction to electricity, magnetism, light and modern physics. Calculus is not required in this course. This course will be three hours of lecture.

Availability: This course is normally offered Summer, Fall and Spring terms.

PHY2054L: Algebra-based Physics II Lab **1**

Co-requisite: PHY 2054

Description: This course is the laboratory course that accompanies PHY 2054. This course will be three hours of laboratory.

Availability: This course is normally offered Summer, Fall and Spring terms.

Course Fees: \$25

PHY2930: Selected Topics in Physics **v. 1-4**

Prerequisite: Permission of the instructor

Description: This course contains variable topics in physics that are appropriate for students in their freshman or sophomore years.

PHY3101: Modern Physics **3**

Prerequisite: PHY 2049

Co-requisite: MAC 2313

Description: This course will deal with fundamental developments in physics during the period from 1890 - present, which include relativity, atomic theory and structure, X-rays, the origin of quantum theory, radioactivity and nuclear reactions. This course will be three hours of lecture.

Availability: This course is normally offered Fall term only.

PHY3101L: Modern Physics Laboratory **1**

Co-requisite: PHY 3101 or permission of instructor

Description: This course studies experiments that explore radiation and the atomic nature of matter, including the photoelectric effect, atomic emission and absorption spectroscopy, the Franck-Hertz experiment, electron spin resonance and nuclear radiation.

Availability: This course is normally offered Fall term only.

Course Fees: \$25

PHY3220: Classical Mechanics **4**

Prerequisite: PHY 2049 and PHZ 3113

Description: This course teaches how the principles of Newtonian mechanics are applied to the motion of particles and systems of particles, harmonic oscillators, noninertial reference systems, rigid-body motion, Lagrange's equations with applications and computational methods applied to mechanics. This course will be four hours of lecture.

Availability: This course is normally offered Spring term only.

PHY3424C: Optics with Laboratory **4**

Prerequisite: PHY 2049 and MAC 2313

Description: This course is a study of geometrical and physical optics including an investigation of mirrors, lenses, optical instruments, interference, diffraction, polarization and computational methods applied to optics. The course consists of three hours lecture and three hours laboratory each week.

Availability: This course is normally available Fall term only.

Course Fees: \$25

PHY3604: Quantum Mechanics **4**

Prerequisite: PHY 3101 and PHZ 3113

Description: This course is a single semester introduction to the theory of quantum mechanics, including its postulates, operators and eigenvalues, exactly soluble potentials, scattering, angular momentum, atomic structure, and other applications. This course will be four hours of lecture.

Availability: This course is normally offered Spring term only.

PHY3722C: Electronics for Scientists **4**

Prerequisite: PHY 2049 and MAC 2312

Description: This is an introductory course in electronic design and circuitry with emphasis on common scientific instrumentation. This course is three hours of lecture.

Availability: This course is normally available Spring term only.

Course Fees: \$25

PHY4320: Electricity and Magnetism**4**

Prerequisite: PHZ 3113

Description: This course is a study of electromagnetic phenomena; electrostatic potentials from Laplace's and Poisson's equations; effects of dielectric and magnetic materials; magnetic fields and potentials; induced emf; Maxwell's equations; electromagnetic radiation and waves; and computational methods applied to electricity and magnetism. This course will be four hours of lecture.

Availability: This course is normally offered Fall term only.

PHY4523: Thermodynamics and Statistical Mechanics**4**

Prerequisite: PHY 3101 or CHM 4410C, and MAC 2313

Description: This course is an introduction to thermodynamics, statistical mechanics and kinetic theory, including ensembles and partition functions. This course will be three hours of lecture.

Availability: This course is normally offered Fall term only.

PHY4610: Applications of Quantum**Mechanics****3**

Prerequisite: PHY 3604

Description: This course focuses on applications of quantum mechanics to topics of modern physics. Tools and concepts developed within PHY 3604 will be used in this course. Specific topics covered include, multi-particle systems, time-independent perturbation theory and its application to the fine-structure and hyperfine structure of atoms, scattering, time-dependent perturbation theory and its application to the absorption and emission of light, lasers, quantum entanglement and ideas of quantum computing. Computational tools will also be used to gain insights into the behavior of quantum systems.

PHY4660: Introduction to Quantum Field**Theory****3**

Prerequisite: PHZ 3113C

Co-requisite: PHY 3604

Description: This course is an introduction to quantum field theory.

After a review of the relevant topics in quantum mechanics, the course will cover relativistic quantum mechanics, the Kline-Gordon equation, Dirac equation field theory, tensor fields, spinors, scattering matrices, Feynman diagrams, Mandelstam variables, and quantum electrodynamics. This course will be three hours of lecture.

Availability: This course is normally offered in alternating years.

PHY4802L: Advanced Physics Laboratory **1**

Prerequisite: PHY 3101L

Description: This course consists of experiments in condensed matter, nuclear and other areas of physics research, including computational physics and optical physics. This course will teach students how to use the computer to control experiments and obtain and analyze data. This course will be three hours of laboratory.

Availability: This course is normally available Spring term only.

Course Fee: \$25

PHY4900: Directed Independent Study- Honors in Physics Research **v. 3-6**

Prerequisite: Permission of the instructor

Description: This course is for students who wish to conduct independent research in physics with a faculty mentor. This course must be completed before the student writes an Honors Thesis.

Repeatability: This course may be repeated one time for up to 6 credits.

PHY4905: Directed Independent Study in Physics **v. 0-4**

Prerequisite: Permission of the instructor

Description: This course involves participation in research investigation under the supervision of an instructor.

Repeatability: This course may be repeated up to 12 hours for credit under different topics.

Availability: This course is normally offered Summer, Fall and Spring terms.

PHY4910: Physics Research and Seminar 1 **1**

Prerequisite: PHY 3101L

Description: This course involves projects in experimental, theoretical, or computational physics conducted in collaboration with physics faculty. This course requires an oral and written research report.

Availability: This course is normally offered every term.

PHY4911: Physics Research and Seminar 2 **1**

Prerequisite: PHY4910 Physics Research and Seminar 1

Description: This course is a continuation of PHY4910 Physics Research and Seminar 1. This course involves projects in experimental, theoretical, or computational physics conducted in collaboration with physics faculty. This course requires an oral and written research report.

Availability: This course is normally offered every term.

PHY4930: Selected Topics in Physics **v. 1-4**

Prerequisite: Permission of the instructor

Description: This course involves the applications of physics to topics of interest, especially to recent advances in physics.

Repeatability: This course may be repeated up to 12 hours for credit under different topics.

PHY4940: Physics Internship **v. 2-12**

Prerequisite: Junior or Senior physics major standing with a minimum GPA of 3.0; permission of the chairperson of the Department of Physics

Co-requisite: PHY 3101 and PHY 3101L

Description: This course provides junior and senior year physics majors hands-on experience involving the following kinds of work: scientific research, engineering research and development, medical physics, laboratory, scientific and/or engineering related problem-solving, scientific and/or engineering related computer programming, environmental physics, astrophysics and other physics related work in a research laboratory outside of UNF or in a company environment.

Availability: This course is normally available Summer, Fall and Spring terms.

**PHY4970: Directed Independent Study-
Honors in Physics Thesis**

v. 3-12

Prerequisite: Permission of the instructor and PHY 4900

Description: This course is for students who wish to conduct independent research in physics with a faculty mentor. This course must be completed with an Honors Thesis and culminates in graduating with the designation of Honors in Physics.

Repeatability: This course may be repeated for up to 12 credits.

PHZ3113C: Mathematical Physics

4

Prerequisites: PHY 2049 and MAC 2313 Co-requisites: MAP 2302

Description: This course is an application of mathematical methods to physics in areas including vector analysis, matrices and group theory, complex analysis, Fourier series and transforms, special functions, and boundary-value problems. The laboratory will focus on computational techniques and applications. This course will be three credit hours of lecture and one credit hour of laboratory.

Availability: This course is normally offered Fall term only

PHZ4160: Advanced Topics in Physics

4

Prerequisite: PHY 3220, PHY 3320, and PHY 4604

Description: This course is a study of advanced topics in classical mechanics, electricity and magnetism, and quantum mechanics. The course is intended primarily for those physics majors who plan to attend graduate school in physics. This course will be four hours of lecture.

Availability: This course is normally offered on demand only.

PHZ4303: Nuclear Physics

3

Prerequisite: PHY 3101

Description: This course is an introductory course emphasizing nuclear structure, radioactivity, radiation detection methods, and nuclear reactions, and applications. This course will be three hours of lecture.

Availability: This course is normally offered alternate years only.

PHZ4404: Solid State Physics

3

Prerequisite: PHY 3101

Description: This course is a study of the electrical, mechanical, optical and thermal properties of solids, and selected applications. This course will be three hours of lecture.

Availability: This course is normally offered alternate years.

PSC4905: Directed Independent Study

v. 2-4

Prerequisite: Permission of the instructor

Description: This course involves variable topics as related to recent advances in physics.

Repeatability: This course may be repeated up to 12 credits with different topics.

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Undergraduate Courses

Criminology & Criminal Justice

CCJ2002: Crime in America

3

This course is an introduction to the study of criminology/criminal justice. The course includes topics on: the crime problem in the U.S.; crime patterns and criminal behaviors; explanations for crime; systems of justice designed to deal with crime and their underlying philosophies; and preventive strategies.

CCJ3014: Criminological Theory

3

Prerequisite: CCJ 2002. This course examines the ways crime has been explained in western society, with primary emphasis on scientific explanations since the 1700s. The entire range of criminological theory, from demonism to Marxism, and the social policy implications of each, will be addressed, along with the basics of theory construction and evaluation.

CCJ3023: Introduction to Criminal Justice

3

Prerequisites: CCJ 2002 This course explores the historical, philosophical, legal, and contemporary operation of the American criminal justice system. Particular emphasis is placed on research examining the primary institutions and actors of the criminal justice system in policing, courts, and corrections. The course also explores crime measurements, a profile of crime rates and victims, and an examination of offender and inmate populations.

CCJ3700: Research Methods in Criminology & Criminal Justice

3

Prerequisite: STA 2014 This course is a general introduction to research methods used in criminology and criminal justice. The course emphasizes the application of theory and research, sampling, measurement, data collection, research designs, and ethics of research. Specific examples from the field of criminology and criminal justice will be utilized.

CCJ3932: ST: Criminal Justice**v. 1-4**

This course involves analysis of variable topics in criminal justice. May be repeated for a total of 12 credits under different topics.

CCJ4283: Philosophy of Law and Justice**3**

An exploration of the philosophical bases of jurisprudence, with special attention to the relation between law, order and justice; an analysis of the moral rationale for punishment and the legalization of morality.

CCJ4604: Crime and Mental Illness**3**

This course examines the relationship between various forms of mental illness and crime, especially felony crime. Emphasis will also be placed on the role of the insanity defense on criminal trials involving capital crimes such as homicide and rape. Public opinion regarding the insanity defense will also be considered.

CCJ4641: Organized Crime**3**

This course explores criminality undertaken by groups of individuals strategically associated for the purpose of criminal activity. Historical origins of organized crime in the United States are presented along with structural analyses of its causes. Case studies of specific criminal groups are analyzed with regard to criminological theory. Strategies for fighting organized crime and its depiction in popular culture are also addressed.

CCJ4662: Minorities and Crime**3**

This course examines the role of crime (primarily felony crimes) in the lives of various minorities within American society. Emphasis will be placed on both offense and victimization patterns within the black and Hispanic communities. The victimization of women will also be examined.

CCJ4663: Women and Crime**3**

This course examines women as criminal offenders, victims and employees of criminal justice agencies. Emphasis will also be given to the topic of treatment of women in the criminal justice system by the police, courts and prison system.

CCJ4664: White Collar Crime **3**

This course examines various definitions and types of white-collar offenses in American society. Special emphasis is given to patterns of such offenses among the most wealthy and powerful societal organizations, the general issue of economic crime and its control and the enforcement of white-collar related laws.

CCJ4681: Family Violence **3**

This course is designed to examine the various expressions of violence within the family structure, including child abuse, spouse abuse, and elder abuse. Topics discussed include the psychological and social causes of domestic violence, the transmission of violence from generation to generation, and strategies for alleviating intrafamilial aggression.

CCJ4905: Directed Independent Study **v. 1-4**

Prerequisite: Permission of the program director. Independent study of some aspect of or issues in criminal justice, supervised by a member of the faculty specializing in the area chosen by the student. May be repeated for a total of 12 credits under different topics.

**CCJ4935: Special Topics in Criminal
Justice and Administration** **v. 1-4**

Contents of this course vary as instructors present different developments, problems and controversies relating to the administration of the criminal justice system. May be repeated for a total of 12 credits under different topics.

CCJ4938: Special Topics in Criminology **v. 1-4**

Forum for special course offerings in the causes and impact of criminal conduct. May be repeated for a total of 12 credits under different topics.

**CCJ4939: Pre-Internship in Criminal
Justice** **3**

Prerequisites: Must have completed or be concurrently completing core courses 2.0 GPA (overall) Corequisites: Permission of Instructor This course prepares students for internship placement in approved organizations. Students explore specific agency missions as they relate to core content and academic research. Detailed individual research projects supplement classroom discussion in preparation for field placement of student.

CCJ4940: Internship in Criminal Justice **3**

Prerequisite: Completed all core required courses, 2.0 GPA (overall), and permission from instructor. A planned program of experience in one or more criminal justice agencies. Supervised placement consisting of a total of 260 hours in-the-field work experience (approximately 20 hours per week) resulting in an in-depth written report in which work experiences are related to theoretical perspectives. Required for all pre-service students.

CJC3410: Methods of Offender Treatment **3**

An analysis of the many approaches, methods and techniques that may be employed in the correctional process. Also, an analysis of the rehabilitation process in relation to the offender's experience with the police, the courts, correctional institutions or service and the general public.

CJC4015: Correctional Systems and Processes **3**

Prerequisite: CCJ 3023. This course is an in-depth study of corrections as a series of interlocking systems and the processes that unite them. Focus will be on current American practices, but attention will also be paid to alternative models both domestic and international.

CJC4510: Punishment and Society **3**

The course explores historical and contemporary dimensions of society and punishment. Specifically, the course examines the philosophies, practices, and procedures of corrections with a primary emphasis on the United States.

CJE3232: Drugs and Crime 3

This course will explore the interactions between society and its use of both medical and psychoactive chemicals, from early times to the present day. Primary focus will be on contemporary drug usage and the attempts to control substance abuse, and the consequences for both individuals and society of criminalizing drug use.

CJE3281: Women and the Legal System 3

This course covers three areas of study involving women and the legal system: (1) women in the workplace, including discrimination, comparable worth, sexual harassment and education; (2) women and the family, including marriage, divorce, child custody and domestic violence; and (3) women's bodies, including reproductive rights, rape and prostitution.

CJE4017: Law Enforcement Systems and Processes 3

Prerequisite: CCJ 3023. This course is a historical and functional analysis of law enforcement in a democratic society. The course includes the analysis of comparative police systems, police roles, careers, values and behavior, and police organization, management and control.

CJE4201: Deviance and Social Control 3

This course explores multiple perspectives on the dialectic processes involved in the application of deviant labels. The course specifically examines formal and informal mechanisms of social control and how these structure social relationships and individual identity.

CJJ3010: Juvenile Delinquency and Juvenile Justice 3

A study of the definitions and etiology of delinquent behavior; the adjudication process for juveniles, both in theory and practice; and treatment procedures.

CJL4111: Criminal Law and Procedures II 3

Prerequisite: CJL 4310 This course is a study of selected legal topics of interest to the advanced student of criminal justice. The course includes coverage of defense to crimes, constitutional protection of the accused, post-conviction relief, and topics of current interest (such as capital punishments, plea bargaining and non-discriminatory jury selection).

CJL4310: Criminal Law and Procedures I **3**

Prerequisites: CCJ 3023 This course covers the definition and concept of crime in Anglo-Saxon legal systems. It includes the common-law origins and subsequent statutory modification and amplification of representative substantive criminal offenses, law of search and seizure, and the exclusionary rule.

CJL4315: Criminal Trials Seminar **3**

Prerequisite: CJL 4310 Criminal Law and Procedures I This course offers students who have completed Criminal Law and Procedures I practical observation and study of the criminal trial process, through lecture, readings, and direct observation of criminal trials. In the courtroom setting, students will observe all aspects of the criminal justice process, from arrest through conviction and sentencing. Lecture material will supplement understanding of related aspects of the justice process, such as the law making process, bail and pretrial incarceration, prosecutorial discretion and plea bargaining, and sanctions.

CJL4510: Court Systems and Processes **3**

Prerequisite: CCJ 3023. This course examines the American judicial systems, its role and function in the criminal justice process, the actors and processes which drive it, and the outcomes it produces. Topics include the origin of American court structure and processes, criminal trial processes, rules of evidence, and the appellate court system.

Undergraduate Courses

Polit Science & Public Admin

CPO2002: Introduction to Comparative

Politics

3

This course examines the political structures, processes, and institutions of selected advanced industrial societies.

CPO3123: (FC) Politics and Society in

Britain and Ireland

3

This course surveys political behavior and government institutions in the context of social change in modern Britain and Ireland.

CPO3151: (FC) Politics and Society in

France

3

This course will examine the political system of France, including its government institutions, political parties, social movements, labor unions, and elections. France's role in the European Union and other international organizations will also be analyzed, as well as the effects of globalization of French politics and culture.

CPO3213: Politics and Society in

Subsaharan Africa

3

This course is concerned with the government, politics, and society of sub-Saharan Africa. These political systems will be traced back to their roots in traditional Africa, to colonial Africa, and to particular patterns of administration and politics based on the systems imposed by former European colonial powers. The course will also show how many customary laws and practices found expression in the political and legal structures of the new polities. Since post-independence years, politics in sub-Saharan Africa is still characterized by ethnic conflicts, military interventions, and social disequilibria, as well as by democratic governments.

**CPO3402: Politics of Pakistan and
Afghanistan**

3

Description: This course provides an introduction to contemporary political issues and trends in the South Asian states of Pakistan and Afghanistan. The course examines the complex interrelationship between various ideologies, institutions, personalities, and social movements in the two countries. The course has been designed to help students gain a thorough understanding of domestic, regional, and structural causes and consequences of the two countries' revolutions and conflicts before and after the partition of the subcontinent in 1947. Other important issues such as nuclear and conventional security; state malfunction, civil war and terrorism; poverty and development; regional integration; and human security and gender discrimination are also examined in this course.

CPO3643: Politics and Society In Russia

3

This course explores politics and society in contemporary Russia. The course covers current governance systems, current policy issues, and Russian political culture.

**CPO4014: Comparative Politics:
Frameworks for Analysis**

3

Prerequisite: CPO 2002. In this course students will study and apply the most important theories of comparative politics against the background of current political situations. Students will examine theories of comparative culture and socialization; corporatism; communities, nationalism and nation-building; theories of political and economic development; comparative social and political organization; and democracy and transitions-to-democracy.

CPO4034: Politics of Developing Countries

3

Prerequisite: CPO 2002 or consent of instructor.

Description: The subject of this course is political and economic development among countries within the developing world, emphasizing the economic, social, and psychological conditions affecting their political and economic status.

INR2002: Introduction to International Relations

3

Basic introduction to international politics and relations concentrating on describing the various ways nations interact with one another, how the world community looks at national power and how nations and the world community define and protect the national interest. In addition, the course examines and analyzes the role of international organizations in contemporary organizations in contemporary world politics.

INR3016: Global Issues in Contemporary

Politics

3

This course promotes the understanding and analysis of significant trends in the emerging new world system and relates those trends and events to domestic politics and society in other nation states. The course also compares and analyzes comparative trends in political institutions, systems and changes in public policies in the world community.

INR3084: Terrorism Today

3

This course covers the politics, ideologies, capabilities and countermeasures of global terrorism today. The course traces the history and development of terrorism around the world, examines the factors which make terrorism an effective and economical political tool for the achievement of specific goals, explores terrorist organizations, and assesses the various weapons and delivery capabilities of today's terrorists. Finally it examines and evaluates strategies and tactics for the suppression of terrorist activities and the reduction of effectiveness of terrorist actions.

INR3102: Real Policy World

3

Description: The course is designed to provide an in-depth study of today's foreign policy challenges and the American policy-making process. Regarding the policy-making process, the course will cover: how government works, with a focus on the National Security Council; an overview of today's foreign policy debate; how to write a paper and a memo to the president; and how to

write an op-ed. Topics will include: the "wars" (Iraq, Afghanistan, Pakistan, terrorism, cyber), nonproliferation (nuclear issues, Iran, North Korea), Big emerging powers (China, India, Turkey, Brazil, South Africa), Africa's other key countries (Sudans, Congo, Nigeria, others), Environment (climate, water, food crisis), Trade, Illiberal democracies, the Middle East, including the Arab Spring/Winter and the Israeli- Palestinian conflict, and Latin America.

INR3153: American Foreign Policy in the Middle East

3

Description: This course will examine the formulation and implementation of American policies towards the Middle East, with special emphasis on the period following World War II. It includes the study of the various American actors, organizations and government agencies involved in influencing the formulation of American policies towards the region. Students will analyze various instances in which the US has intervened in the region: diplomatically, economically, and militarily. The successes and/or failures of these interventions will be assessed against the backdrop of stated American goals.

INR3443: International Law and Organization

3

Prerequisite: INR 2002. This course examines the role of international law and international organizations in the global political system. It explores the effects of international law and the activities of international organizations, including the United Nations and NGOs, against a backdrop of current issues of international importance.

INR4243: International Politics of Latin America

3

Description: This course will analyze the international politics of Latin America. Special emphasis will be put on the relations between Latin American countries and the United States, though inter-American relations and Latin America's relations with

non-hemispheric powers will also be examined. Such issues as trade, immigration, poverty and development, the environment, and the "War on Drugs" will also be considered.

INR4334: American Defense in the Age of

Mass Destruction

3

Prerequisite: POS 2041 or consent of instructor. This course examines a number of contemporary defense issues in light of a half-century of American and international experience in dealing with nuclear weapons. The course covers the development of U.S. strategic doctrines, both during and after the Cold War, and explores the relationship of these doctrines to the U.S. defense budget, unilateral and multilateral intervention, including the "War on Terror", ballistic missile defense, and the continuing proliferation of nuclear and other weapons of mass destruction.

INR4603: International Relations:

Frameworks for Analysis

3

Prerequisite: INR 2002. In this course students will study and apply the most important theories of international relations against the backdrop of current international politics, including realism/neorealism, liberalism/neoliberalism, and constructivism. Key concepts such as power, states, international organizations, war, and economics will be placed within the context of these frameworks for analysis.

INR4703: International Political Economy

3

IPE synthesizes methods and insights derived from the social sciences to understand the complex issues faced in the international political economy today. The course considers topics such as world trade, the international monetary system, economic development, world hunger, multinational corporations, international energy policies, global security, transitional economies, and the European Union from three perspectives-economic, nationalism, economic liberalism and structuralism.

PAD4003: Public Administration

3

Prerequisite: POS 2041 or consent of instructor. Exploration of the creation, growth and operation of public bureaucracies and

their impact on the politics of modern industrial states.

PAD4144: Nonprofit Management

3

Description: This course will cover a broad scope of topics pertaining to the management and leadership of nonprofit organizations in the United States. This is a survey course and as such, each week students will be introduced to a new topic. Topics include, but are not limited to, resource management, leadership, and current issues confronting nonprofits. The goal is to better prepare students for the broad array of issues facing nonprofit administrators.

POS2041: Introduction to American Government

3

This course provides a broad look at government in the U.S., introducing major institutions and participants and considering various explanations of why our political system behaves as it does. The course reviews governmental response to major issues to illustrate both the power and limitations of our system of government.

POS3114: Issues in State and Local Government

3

Analysis of the structure, functions and processes of subnational governments in American state government, city government, metropolitan authorities.

POS3142: Politics and Policy in Urban Government

3

This course examines urban governments from the perspective of policy outcomes as a result of the form of political organization. Various distributions of power have been theorized at the municipal level—elitism, pluralism, and regime theory to name a few. Each of these forms of political organization may result in particular outcomes in terms of policy formulation, resource allocation, and service delivery, each with significant consequences for public officials, citizens, and other stakeholders.

POS3413: The American Presidency 3

Prerequisite: POS 2041 or consent of instructor. This course examines the constitutional role of the executive branch and the President's profound influence on domestic and foreign policy. Presidential powers and behavior are analyzed in the context of legal, electoral, personal and other forces that shape and limit presidential actions. Executive functions at the subnational level may also be considered.

POS3424: Congress and the Legislative Process 3

This course is designed to examine thoroughly the constitutional role of the legislative branch of the United States Government. It provides information on the procedures and personalities of the Senate and House and displays the central place of Congress in shaping domestic and foreign policy within a federal democratic system.

POS3444: Parties, Campaigns and Elections 3

This course examines the development of the American party system and the relationship of mass parties, elections and governance. The effects of party and campaign organization and leadership on elections are considered, as well as the role of parties in models of voting choice and the theory of critical elections.

POS3606: The U.S. Supreme Court 3

Prerequisite: POS 2041 or consent of instructor. This course examines the history, organization, and current procedures of the U.S. Supreme Court and explores its role in formulating public policy through judicial decision making.

POS3615: Judicial Politics 3

Description: This course examines the unique characteristics of the judicial process, contrasts those characteristics with those

found in the legislative and executive processes, and explores how the process of judicial decision-making influences what courts do and the power they wield, as well as the factors that influence judicial behavior.

POS3641: Administrative Law

3

Description: This course examines the origins and meanings of administrative law, the modern constitutional and statutory authority of government agencies, theories of informality and formality in administrative law and the role played by information, administrative hearings and rulemaking procedures, the enforcement of administrative policy, and the role of the courts through judicial review.

POS3642: Election Law

3

Description: This course examines the law of elections in the United States, as well as the intersection of election law with politics and policy. Major themes of the course include the design of electoral maps, the protection of voting rights, political parties and state action, money in politics, the administration of elections, and federalism in election law.

POS3653: Legal Research and Analysis

3

Description: This course provides an introduction to legal research and analysis through the study of the United States legal system. Topics covered include sources of law; rule based reasoning; legal terminology; analysis and use of judicial decisions and statutes; and legal reasoning and argument.

POS3654: Legal Ethics, Standards, and Values

3

Description: The goal of this course is to introduce the student to the ethical aspects of the legal profession and to present an opportunity for students to explore and understand how these ethical obligations influence every aspect of an attorney's

profession. Students will explore the ethical obligations that attorneys have to the Court, to fellow colleagues, and to their present and former clients.

POS3679: Mock Trial

3

Prerequisite: Consent of instructor. This course introduces the student to the various aspects of the American Jury trial process. Class participation in various roles in the trial process is required.

POS3683: Law and Cinema

3

The course in law and the cinema is intended to deepen and enrich the students'™ understanding of both law and the cinema and the many ways in which they influence each other. This course focuses on legal history, practice and ethical issues, and how the cinematic portrayal of the legal system influences the way law is actually practiced. How law and the legal system is portrayed in the motion picture industry, in particular, creates images and perceptions that may vary, to some degree, from the reality of the life of the law.

POS3691: The American Legal System

3

Broad examination of the structure and operation of the U.S. legal system. Includes brief consideration of the other legal systems; the roles of the legal profession, U.S. Supreme Court, legislatures, and executive agencies; and analysis of the common law case approach to dispute resolution.

POS3733: Research Design for Political Scientists

3

Description: This is the first course in our two-course research sequence and is required for all Political Science majors. This course will introduce students to the basic principles of research design and scientific research, from the development of an idea or research question, creation of hypotheses, writing of a literature review and writing a research proposal. We will explore a wide range of methods, including experiments, natural experiments, quasi-experiments, measurement using empirical data, and qualitative case studies. The readings combine textbook

explanations of the methods with examples of how they are put into practice. Through a set of assignments, students will be asked to begin the process of conducting their own independent research concluding in the submission of a research proposal that will be the foundation for the second course in this research sequence.

POS3734: Research Analysis for Political Scientists

3

Prerequisite: POS 3733

Description: This course introduces students to research methods in political science using empirical data. The course will emphasize basic statistical techniques used in empirical data analysis to include measures of central tendency and dispersion, cross-tabulations, mean comparison, analysis of variance, correlation, and linear regression. By the end of the course students will be required to use the knowledge obtained in from both research methods courses in this sequence to develop an original research paper, including original data analyses, which may be presented at an undergraduate conference.

POS3931: Special Topics in Politics

3

Prerequisite: POS 2041 or consent of instructor. This course explores selected major political issues of the day. May be repeated up to 12 hours for credit under different topics.

POS4033: Controversial Political Issues

3

Prerequisite: POS 2041 or CPO 2002 or INR 2002 or by consent of instructor. This course provides an analysis wherein political decisions are the focus for conflicting ideological, moral or economic forces. This course is designed to enhance the students understanding of contemporary issues facing subnational, national and international policy makers.

POS4608: Constitutional Law I: Powers and Constraints

3

Description: This course examines the development of constitutional doctrine as it applies to judicial review, the powers

of president and congress, federalism, and courses of regulatory authority.

POS4624: Constitutional Law II: Civil

Rights and Civil Liberties

3

Description: This course examines the development of constitutional doctrine as it applies to individual liberties and rights including those found in the Bill of rights and those applied to the states through the Equal Protection and Due Process clauses found in the fourteenth amendment.

POS4750: Survey Research

3

Prerequisite: POS 3733

Description: This course is designed to introduce students to polling and public opinion research. Public opinion is vital to the political world and our democracy. This course aims to produce graduates that are not only intelligent consumers of survey data but competent in the analysis of data. Data analysis skills are incredibly valuable in the workforce and providing our graduates with this tool will add to their value as job seekers after graduation.

POS4905: Directed Individual Study

v. 1-4

Prerequisite: Completion of all core and field requirements, 3.0 grade point average in all political science courses, and permission of academic and career advisor.

Description: Supervised readings and/or research, coupled with presentation of a high-quality paper on a topic of interest to the student.

Repeatability: This course may be repeated up to 12 credits under different topics.

POS4932: Special Topics in Political

Science and Public Administration

v. 2-6

Prerequisite: POS 2041 or consent of instructor. Exploration of topics of enduring or emerging significance in political science or public administration. May be repeated up to 9 hours for credit

under different topics.

POS4945: Internship/Field Experience

v. 1-6

Prerequisite: Consent of instructor.

Description: This course provides a supervised internship or research field experience within the discipline of political science.

Repeatability: This course may be repeated for up to 6 credits.

POT3003: Political Thought and Action

3

This course considers concepts of political thought and action derived from such classical thinkers as Plato, St. Augustine, Hobbes, Locke, Rousseau and Hegel, as well as from readings in the modern traditions of liberalism, conservatism and socialism.

POT4314: Democratic Theory

3

Democracy is a means of making decisions both within government and about governance. This course takes a critical look at democracy both as a process and a form of government. Democracy is compared and contrasted with other forms of governance and various forms of democracy, e.g., direct and representative are considered.

PUP2312: (CD) Race/Gender/Political

3

This course introduces students to the struggle of minorities and women to participate in the formation of public policy in the United States.

PUP3603: Medical Politics and Policy

3

Prerequisite: POS 2041 The course will provide an understanding of the structure of the political process in medical policy making. It will focus upon the US but will provide comparisons with other countries. The political roles of the legislature, executive and judicial branches of government in medical policy will be examined as well as the political roles that health professional assume in the community. Major actors in medical policy are identified within the context of the forces and institutions that they react to in shaping medical policy. The course will examine why the practice of medicine has been "criminalized" in the pursuit of

fraud, abuse and drug diversion.

PUP4003: The Policy-Making Process

3

Study of the legislative, executive, judicial and interest-group relationships in the making and administration of public policy in the USA.

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Undergraduate Courses

English

AML2010: American Literature I **3**

Description: This course surveys major American literature from the Colonial period to the US Civil War.

AML2020: American Literature II **3**

Description: This course surveys major American literature from the US Civil War to the present.

AML3031: Periods of Early American Literature **3**

Prerequisite: One course in literature.

Description: This course will consist of readings in American literature from the pre-colonial period to the Civil War, with particular attention devoted to two distinct periods. We will consider the ways in which such periods as "the colonial" or the "American Renaissance" are constructed.

AML3041: Periods of Later American Literature **3**

Prerequisite: One course in literature.

Description: This course will consist of readings in American literature from the Civil War to the present, with particular attention devoted to two or more distinct periods. We will consider the ways in which such periods as the "modern" or "post-modern" are constructed.

AML3102: American Fiction **3**

Description: The nature and development of American fiction in works by such authors as Charles Brockden Brown, Edgar Allan

Poe, Herman Melville, Mark Twain, Kate Chopin, Stephen Crane, Charles Chesnutt, F. Scott Fitzgerald, Ernest Hemingway, William Faulkner, Richard Wright, John Steinbeck, John Gardner, Ronald Sukenick and Joyce Carol Oates.

AML3154: American Poetry 3

Description: American poetry from the colonial period to the present, with variable emphasis. See department office for reading list.

AML3621: (GW) Black American Literature 3

Poetry, drama, prose, and fiction as significant dimensions of American culture. Studies may include slave narratives, Douglas, Dunbar, Cullen, Brooks, Hughes, McKay, Wright, Ellison, Baldwin, Jones and Reed. Gordon Rule English credit.

AML4242: Studies in 20th Century American Literature 3

Prerequisite: At least one literature course at the 3000 level or permission of instructor. Readings in 20th century American literary texts. Focus will differ with each offering. See department office for reading list.

CLT4110: Classical Background of Western Literature 3

Readings in translation of writers such as Homer, Plato, Sophocles, Euripides, Aristotle, Virgil, Ovid, Catullus and Apuleius, with some attention to their importance to later Western culture.

CRW2000: (GW) Introduction to Creative Writing 3

Prerequisites: ENC 1101 and LIT 2000 or ENG 2012 In this course, students will read works from a variety of literary genres, produce samples of work in each genre, develop productive critiques of one another's work within a workshop setting, and

revise at least one of their samples. This course is for students who want to develop basic skills in more than one genre of creative writing. Gordon Rule English credit.

CRW2100: (GW) Introduction to Fiction

Writing

3

Prerequisite: ENC 1101 and LIT 2000 or ENG 2012 In this course, students will study the basic techniques used by both canonical and contemporary fiction writers to build convincing and compelling worlds, characters, and plots. Students will then work to apply those techniques to their own fiction. They will develop the skills and techniques necessary for both a productive critique of their own and one another's fiction, and for the in-depth work of successful revision. Gordon Rule English credit.

CRW2201: (GW) Introduction to Creative

Nonfiction

3

Prerequisite: ENC 1101 and LIT 2000 or ENG 2012 In this course we will examine the narrative possibilities of creative nonfiction. We will explore structure, technique and authorial presence in representative works of established sub-genres, including literary journalism, travel writing, memoir, and the personal essay, as well as more experimental forms like the lyric essay and collage. Students will develop skills and techniques necessary for the productive critique of their own and one another's writing and for the in-depth work of successful revision. Gordon Rule English credit.

CRW2300: (GW) Introduction to Poetry

Writing

3

Prerequisites: ENC 1101 and LIT 2000 or ENG 2012 This workshop allows students to explore together the fundamentals of the craft of poetry. Students will learn the difference between poetry and prose, as well as the ability to identify the attributes that make poetry a unique and expressive art form. Students will learn basic terminology and close reading skills in order to write analyses that demonstrate precision and sensitivity to the nuances of poetic language. Students will read and memorize poems by master poets, whose work will be the focus of our analysis. Learning to explicate great poetry will provide students

with skills they can apply to their own poetry, which will be the ultimate focus of this course. Gordon Rule English credit.

CRW2400: (GW) Introduction to Playwriting 3

Prerequisites: ENC 1101 and LIT 2000 or ENG 2012 This course introduces students to the art and craft of playwriting. Students will read plays and analyze their basic elements—including dramatic action, characterization, dialogue, and the shape and pacing of scenes. In order to understand the nature of drama from the perspectives of actor, director, and audience as well as playwright, students will write scenes and perform them, a process that will involve staging and directing those scenes. Gordon Rule English credit.

CRW2600: (GW) Introduction to Screenwriting 3

Prerequisite: ENC 1101 and LIT 2000 or ENG 2012 This course examines the basic formal elements of screenplays, including characterization, dialogue, scene structure, plot construction, genre conventions, and formatting requirements. Students will critically analyze screenplays by the great auteurs of the twentieth century. The students' major project will be to write short motion picture or television screenplays of their own. Gordon Rule English credit.

CRW2930: (GW) Special Topics in Creative Writing 3

Prerequisites: ENC 1101, LIT 2000 Students will analyze literary genres, forms, conventions, structures, techniques, and creative writing strategies and apply these analyses to their own creative writing efforts and to critiquing the work of their peers. Gordon Rule English credit.

CRW3110: (GW) Fiction Workshop 3

Description: Students will share and critique drafts of their work. These critiques will help students develop a final portfolio. Students will produce at least two substantial submissions. Students will read exemplary fiction.

Repeatability: This course may be repeated for up to 9 credit hours.

CRW3113: Writing Genre Fiction 3

Fiction's subgenres include fantasy, historical fiction, mystery, romance, science fiction, and others. The Genre Fiction Workshop will help students develop an understanding of a selected genre. Students will read in-genre selections for form and style and will apply what they learn in their own writing. They will consider approaches to prewriting, revising, and editing. Students will produce a final portfolio with two finished stories and a critical analysis. This course may be taken up to three times.

CRW3211: (GW) Creative Nonfiction Workshop 3

Description: This workshop offers students multiple opportunities to employ the methods and techniques of creative nonfiction. Students will read exemplary creative nonfiction and explore issues and controversies related to the genre. They will share and critique drafts of their work. These critiques will help students develop a final portfolio. Students will produce at least two substantial submissions.

Repeatability: This course may be repeated for up to 9 credit hours.

CRW3310: (GW) Poetry Workshop 3

Description: During the course of the semester, students will respond to different kinds of assignment prompts to develop their mastery of verbal craftsmanship. They will also read work by both active contemporary poets and canonical poets. Students will critique and discuss one another's work in a workshop setting in order to gain facility using language with precision.

Repeatability: This course may be repeated for up to 9 credit hours.

CRW3610: (GW) Screenwriting Workshop 3

Description: This course explores the nature of screenplay writing in a workshop format. Students will analyze the basic and more advanced elements of screenplays and write an original, feature-length television or motion picture screenplay.

Repeatability: This course may be repeated for up to 9 credit hours.

CRW3741: Image/Text Workshop

3

Description: The Image text workshop allows students to explore interests in sequential art, picture poetry, video essays, cinemoems and other options that integrate visual art with creative writing. Students will examine works by established writers and artists to develop and understanding of how such works are put together. They will consider approaches to planning, development, revision, and production. Students will complete a final project and provide written documentation of their process. This course may be taken up to three times.

CRW3742: Integrative Arts Workshop

3

Description: In this workshop, students pursue creative interests in the arts that exist outside or across the traditional boundaries of genre and form. Student projects will explore the creative use of devices, machines, and methods in support of writing projects involving new media, performative and environmental installations, visual arts, video, sound, music, gaming, interactivity, and/or computer graphics. Each student will create a final portfolio comprised of creative work and an essay that discusses their process, resources, and results.

Repeatability: This course can be repeated for up to 9 credits.

CRW3743: Contexts and Constraints: A Workshop in Interdisciplinary and Innovative Writing

3

Description: This workshop extends the ways students approach writing by using a variety of contexts and constraints to generate compelling, thought-provoking, and resonant texts. Critical theory,

cultural studies, and/or theoretical writing concepts may be used as contexts in which students develop richer subtextual, multi-modal, and innovative prose. Students will find an interdisciplinary context for each writing assignment, produce two substantial submissions over the course of the term, and create a portfolio that will include a final essay that discusses their process, resources, and results.

Repeatability: This course can be repeated for up to 9 credits.

CRW3930: Special Topics in Creative

Writing

3

Description: This course deals with topics of importance in creative writing.

Repeatability: This course may be repeated for up to 12 credits with different topics.

CRW4122: Advanced Fiction Workshop

3

Prerequisite: CRW3110 Fiction Workshop

Description: The Advanced Fiction Workshop will help students develop an understanding of what a story is and how it is put together. They will consider approaches to prewriting, revising, and editing to identify and apply methods that best reflect their developing artistic character. Students will prepare a final portfolio of 15 pages. This course can be taken up to three times.

CRW4224: Adv. Creative Nonfic Wkshp

3

Prerequisite: CRW3211 Creative Nonfiction Workshop

Description: The Advanced Creative Nonfiction Workshop will help students develop an understanding of what creative nonfiction is and how it is put together. They will consider approaches to prewriting, revising, and editing to identify and apply methods that best reflect their developing artistic character. Students will prepare a final portfolio of 15 pages. This course may be taken up to three times. This course may be taken up to three times.

CRW4320: Advanced Poetry Workshop

3

Prerequisite: CRW3310 Poetry Workshop

Description: The Advanced Poetry Workshop will help students develop an understanding of what poetry is and how it is put together. They will consider approaches to prewriting, revising, and editing to identify and apply methods that best reflect their developing artistic character. Students will prepare a final portfolio of 15 pages. This course may be taken up to three times.

CRW4425: Community-Based Documentary Playwriting

3

Description: This course introduces students to documentary playwriting as a community-based transformational learning opportunity. Students will explore the ways in which human beings narrate, document, and illuminate their lives through storytelling and dramatic interpretation. Students will read documentary plays and learn documentary techniques, including archival research and interviewing, as well as techniques for editing, arranging, and recontextualizing found material. The course requires off-campus fieldwork in the community. The final project will be a staged reading of an original documentary play for a public audience. The course theme and community partners will vary.

Repeatability: This course may be repeated for up to 6 credits.

CRW4616: Advanced Screenwriting Workshop

3

Prerequisite: CRW3610 Screenwriting Workshop

Description: The Advanced Screenwriting Workshop will help students develop an understanding of what screenwriting is and how it is put together. They will consider approaches to prewriting, revising, and editing to identify and apply methods that best reflect their developing artistic character. Students will prepare a portfolio of 15 pages. This course may be taken up to three times.

CRW4924: Advanced Creative Writing Workshop

3

Prerequisite: At least 6 hours of 3000-level CRW courses and instructor permission

Description: Students will continue to develop their skills in reading, writing, and critiquing, while also becoming familiar with

the submission and publication process. Projects that students will engage in may include the following: development of submission portfolios; research on journals, magazines, and online publication outlets; completion of submissions by sending out work for publication; and public readings of student work.

Repeatability: This course may be repeated up to 9 credit hours.

DIG3152: Introduction to Electronic Textual Editing

3

Prerequisite: Sophomore standing

Description: This workshop-style course introduces students to methods of Digital Humanities research through hands-on work in the transcription/digitization, regularization, and encoding of manuscript or rare print texts. Students may also annotate and/or compose introductions to the texts in question, a process which may involve historical and/or bibliographical research. Specific requirements will vary by term, according to the particular material under consideration. Students' work may eventually form part of online publications carried out in collaboration with the Thomas Carpenter Library or other institutions. Students will be graded on their participation in course sessions, on the quality of their editorial work, and on oral presentations and reflective writing assignments in which they will synthesize their learning.

DIG3176: Introduction to the Digital Humanities

3

Description: This course introduces students to the interdisciplinary field of the Digital Humanities. Students will explore a variety of tools, methodologies, and theoretical problems central to the application of technology in the humanities. This course is open to students in any major and is a suggested entry point for students pursuing the Digital Humanities minor.

DIG4588: Digital Humanities Studio

3

Prerequisites: Nine hours within the Digital Humanities minor must be completed prior to registration

Description: This workshop-style course provides students with an opportunity to further develop a project of their choosing initiated

in previous coursework, as well as to build an online portfolio of digital materials in preparation for the job market or graduate school application process.

Availability: One semester per year

DIG4944: Digital Humanities Internship **3**

Prerequisite: Nine hours within the Digital Humanities minor must be completed prior to registration. Minimum GPA 2.75

Description: This internship course provides an opportunity for students in the Digital Humanities minor to complete a 150-hour/semester internship with an external organization or on a project led by a member of the UNF faculty.

Availability: Every semester

ENC1101: (GW) Writing for Audience and Purpose **3**

Description: This course will introduce students to common textual issues surrounding audience and purpose to prepare them for the different kinds of texts they will encounter in upper-level academic courses as well as professional settings. Gordon Rule English credit

ENC1130: Special Topics in Writing **v. 1-4**

Description: This course focuses on the development of effective composing, revising, and editing strategies. The goals are (1) to develop writing skills needed to succeed in other academic courses by focusing more intensely on style and grammar, and (2) to introduce students to reflective judgment and rhetorical inquiry as the foundation for all communication.

ENC1143: (GW) Writing with Evidence and Style **3**

Description: This course will introduce students to common textual issues surrounding evidence-based writing, genre conventions, and citation style considerations to prepare them for the different

kinds of texts they will encounter in upper-level academic courses as well as professional settings. Gordon Rule English credit.

ENC2127: Elements of Style and Grammar **3**

Description: This course offers students practice in analyzing style, revising sentences, developing effective paragraphs and arguments, and writing with force and clarity. This course focuses on stylistic analysis and provides students additional instruction and practice in style and grammar.

ENC2210: (GW) Technical Writing **3**

Prerequisite: ENC 1101 This course will introduce students to scientific, technical, and professional writing with a focus on practical information about communicating in different workplace environments and professional/technical discourse communities. Students will analyze rhetorical situations and issues (of audience, organization, visual design, style, and the material production of documents) common to different scientific, technical, and professional writing genres, including emails, letters, resumes, memos, reports (progress, lab, etc.), proposals, technical descriptions, technical definitions, and technical manuals. Gordon Rule English credit.

ENC2441: (GW) Writing Topics: Fine Arts **3**

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within fine arts. This course will also require students to focus on the writing conventions and expectations in the fine arts, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to fine arts and related professional communities. Gordon Rule English credit.

ENC2443: (GW) Writing Topics:Literature **3**

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within the study

of literature. This course will also require students to focus on the writing conventions and expectations in literature, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to literature and related disciplines. Gordon Rule English credit.

ENC2450: (GW) Writing Topics: Natural Sciences

3

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within the natural sciences. This course will also require students to focus on the writing conventions and expectations in the natural sciences, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to the natural sciences and related professional communities. Gordon Rule English credit.

ENC2451: (GW) Writing Topics: Health

3

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within health. This course will also require students to focus on the writing conventions and expectations in health, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to health and related professional communities. Gordon Rule English credit.

ENC2460: (GW) Writing Topics: Business

3

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within business. This course will also require students to focus on the writing conventions and expectations in business, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to business and related professional

communities. Gordon Rule English credit.

ENC2461: (GW) Writing Topics: Social Sciences

3

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within the social sciences. This course will also require students to focus on the writing conventions and expectations in the social sciences, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to the social sciences and related professional communities. Gordon Rule English credit.

ENC2463: (GW) Writing Topics: Engineering

3

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within engineering. This course will also require students to focus on the writing conventions and expectations in the engineering, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to engineering and related professional communities. Gordon Rule English credit.

ENC2930: (GW) Special Topics in Composition

3

Prerequisite: ENC 1101 This course will introduce students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations. This course will also require students to apply the principles and practices introduced in ENC1101 with a focus on the writing conventions and expectations in the academic and professional communities associated with a disciplinary area, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to discipline and professional communities.

Topics will vary and may include topics in: Business; Computing, Engineering & Construction; Education and Human Services; Health; Fine Arts; History; Natural Sciences and Math; Social Sciences. Gordon Rule English credit.

ENC3202: Professional Communication for Business **3**

Description: In this course, students develop the virtues of business communication—practicality, accountability, and reliability. They learn the profession’s language first-hand by reading and researching in business literature. In discussing such texts, evaluating them, and responding in kind through their own presentations and documents, students become more articulate professionals, more insightful thinkers, and more fluent participants in public life. This is a Gordon Writing Rule course.

ENC3212: Copyediting **3**

Description: This course covers basic editing principles, types of editing, and technical terms. The course includes editing texts from a range of sources such as professional documents, scholarly publications, literary and/or creative writing fields, as well as media.

Repeatability: Students may take this course for up to six (6) credits.

ENC3246: Professional Communication for Engineering **3**

Description: In this course, students develop discipline-specific technical and professional writing skills for the field of engineering. Students will read and write in a variety of genres to understand what writing professionally as an engineer might mean. This course will also prepare students to produce documents for their senior design seminars. This is a Gordon Writing Rule course.

ENC3250: (GW) Professional Communications **3**

The primary emphasis of technical writing is on the basics of professional communication-research, organization, grammar/mechanics/style. We will also pay attention to the forms of professional communication-letters, memos, and formal and informal reports. Gordon Rule English credit.

ENC3310: (GW) Writing Prose **3**

Prerequisite: ENC 1101 and ENC 1102. Writing of various kinds, such as speculation, reports, documented articles or criticism, with emphasis on persuasion as the object. Prospective teachers give attention to the psychology of helping others to write well. Gordon Rule English credit.

ENC3375: Introduction to Fandom Studies **3**

Description: This course introduces students to the rhetorical and writing practices of fandom and other participatory cultures. Students will use traditional formats (essays, response papers, proposals) and emergent writing formats (blogs, social media) to examine how this particular community of consumers and producers use, re-use, and distribute creative and critical works. The course's topic may vary by semester and can include examination of a general concept such as fandom and social media, a particular textual fandom such as Harry Potter or other popular texts, or another specified area determined by faculty expertise.

Repeatability: This course may be repeated for up to six credit hours.

ENC3930: Special Topics in Composition **3**

Prerequisite: Junior standing or permission of instructor. Topics of importance in theory and/or practice in composition.

ENC3991: Exp: Business Communication **3**

In this course, students develop the virtues of business communication—practicality, accountability, and reliability. They learn the professional’s language first-hand by reading and researching in business literature. In discussing such texts, evaluating them, and responding in kind through their own

presentations and documents, students become more articulate professionals, more insightful thinkers, and more fluent participants in public life. This is a Gordon Writing Rule course.

ENC4260: Applied Technical Writing

3

Description: This course will guide students in producing clear, direct, and effective technical and professional writing. Students will study and create technical genres such as reports, proposals, descriptions, instructions, specifications, resumes, letters, memorandums, and/or other technical communication formats.

Repeatability: Course is repeatable up to six credits.

ENC4331: Writing, Rhetoric, and Community

3

Description: In this course we will consider the ways in which citizens, activists, scholars, teachers, and students use writing and rhetoric in public contexts. We will begin the course by exploring theories of the public sphere, publics, and counterpublics, and we will discuss how these theories intersect with the work of rhetoric as students read and write the rhetorics of specific communities.

Repeatability: Students may take this course for up to six (6) credits.

ENC4403: Grant Writing

3

Description: This course will show students how to develop grant writing skills. Students will study the rhetorical, resource, and writing opportunities in grant proposal writing and learn how to identify and engage with grant-making organizations.

ENC4415: Rhetoric in the Digital Humanities

3

Description: Rhetoric in the Digital Humanities traces the change from "literacy" to what some scholars have called "electracy." As a

result, the course is primarily concerned with the corresponding rhetorical issues involved in this change, such as a greater emphasis on the rhetorical canon of "delivery." Students completing this course will not only be able to understand the philosophical underpinnings of new media technologies, but also to utilize new media technologies in the service of literary and cultural analysis.

Repeatability: Course may be repeated for up to six credit hours

Availability: One semester per year

ENC4436: Writing as Social Action **3**

Description: This course takes as its object of study social media platforms such as Facebook and Twitter for online activism. We will consider the ways in which citizens, activists, scholars, teachers, and students use social media and other digital rhetorics to address injustices, collaborate with community groups, and advocate for social change.

ENC4930: Advanced Topics in Composition **3**

Prerequisite: Senior standing or permission of instructor. Topics of importance in theory and/or practice in composition. May be repeated for a total of 12 credits under different topics.

ENC4940: Practicum: Writing **v. 1-6**

Description: Practica are supervised educational/training experiences that offer students the opportunity to shadow a faculty member through the teaching of a course for the purposes of intensive experience and education in pedagogy, course administration, and teaching. The student's work is monitored, guided, and evaluated by a faculty member. *Repeatability:* The course may be taken for up to 12 credits.

ENG3613: (CD) Topics in Disability Studies **3**

The course will focus on the nature, meaning, and consequences of what it is to be defined as disabled and explore the historical and cultural dynamics of disability. It will primarily address the

stereotypes associated with and the experiential aspects of disability as these are deployed in literature, film, television, the arts, and other cultural media. It will address disability rights, legal issues, and public policy as secondary issues. Course may be repeated for a total of 6 credits with different topics.

ENG3816: Digital Methods in Literary

Studies

3

Description: This course will consider the transformation of literary reading and research in the digital age. The course will primarily focus on theories and debates within the digital humanities, and will secondarily train students to apply basic tools and techniques, such as computer-assisted textual analysis, text encoding, or web-based archive construction.

Repeatability: Course may be repeated for up to six credit hours.

Availability: One semester per year

ENG4004: Research Methods in English

3

Description: This course will introduce students to a variety of empirical methods commonly used in English research and will examine studies employing these methods. The goal of this course is for students to become familiar with the methods, discourse conventions, and issues surrounding empirical research in English.

Repeatability: This course may be repeated for up to 6 credits.

ENG4013: Approaches to Literary

Interpretation

3

Applied criticism of principal modern approaches, including psychological, formalist, and mythic. Students read theory and model criticism, practicing interpretation with various genres.

ENG4905: Tutorial in Criticism and

Interpretation of Literature

3

Prerequisite: Junior standing and permission of instructor. Topics in criticism and interpretation of literature. May be repeated for a

total of 12 credits under different topics.

**ENG4930: Independent Study in Literary
and Cultural Theory 3**

Prerequisite: Senior standing and permission of instructor. Topics in criticism and interpretation of literature. May be repeated for a total of 12 credits under different topics.

ENL2012: British Literature I 3

Description: This course surveys major British literature from the Medieval period until 1800.

ENL2022: British Literature II 3

Description: This course surveys major British literature from 1800 to the present.

ENL3112: Early British Novel 3

Prerequisite: ENC1101

Description: This course will focus on the historical period when the novel as a popular genre in British culture was first coming into formation (roughly 1670 to 1800). Variations will examine works by authors such as Aphra Behn, Penelope Aubin, Eliza Haywood, Anne Radcliffe, Daniel Defoe, Henry Fielding, Charlotte Lennox, Samuel Richardson, Sarah Scott, Tobias Smollett, Frances Burney, and Clara Reeve. Versions of the course will explore themes such as disability, class, and sex and gender as well as Gothic novels, novels of amorous intrigue, and epistolary novels.

Repeatability: This course may be taken more than once for up to 6 credits.

ENL3132: History of the Later British Novel 3

Description: This course will focus on the British novel from 1800 to the present. Topics, themes, and genres will vary. Areas of

exploration include the following: (1) the cultural forces leading to the rise of Victorian social realism; (2) novelistic representations of the British Empire as it expanded through the 19th century and contracted in the 20th; (3) the cultural forces leading to the rise of modernist realism and its new representations of selfhood; (4) the expansion of print culture and new media and their impact on the novel; (5) developments in narrative technique and structure.

Repeatability: This course may be taken more than once for up to 6 credits.

ENL3333: Shakespeare

3

This course studies selected aspects of the dramatic works from the early comedies to the late romances. Consideration of non-dramatic poetry may also be included.

ENL4210: Studies in Medieval Literature

3

Description: Medieval culture as expressed through literary works by such authors as Chaucer, Dante, Langland, Gottfried von Strassburg and Petrarch. Literature interpreted in relation to social and artistic developments of the time.

ENL4220: Studies in Renaissance

Literature

3

Written works from 1500-1660 by such authors as Spenser, Sidney, Shakespeare, Jonson, Donne, Marvell and Milton.

ENL4230: Topics in Restoration and 18th Century British Literature

3

Description: This is a variable topics course focusing on British literature and culture of the years 1660-1789. Topics include: Science and the Body; Satire and Parody; Enlightenment Drama; Women Writing; Empire and Slavery; Travel Literature; The Public Sphere; Enlightenment Poetry; Grub Street; and the Restoration/Eighteenth-Century Britain in Film.

Repeatability: This course may be taken for up to 6 credits.

ENL4240: Studies in British Romantic

Literature

3

Representative works by such writers as Blake, Southey, Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, Hazlitt, De Quincey and Scott.

ENL4251: Studies in Victorian Literature

3

Literature and culture of the pre-modern period. May be organized as a major-authors course one time, as a theme-based course the next. Such authors as Carlyle, Mill, Ruskin, Arnold, Tennyson, Browning, Rossetti, Swinburne and Wilde.

FIL2000: Film Appreciation

3

This course introduces students to film interpretation and analysis by teaching cinematic vocabulary and technique as they have emerged and developed through the history of international cinema.

FIL3006: Analyzing Films

3

This course introduces students to key terms and concepts for analyzing film critically. Students will learn how to inventory the elements of a film, analyze scenes, explain the relation between cinematic forms and meaning, and write analytic film essays. This course provides a foundation for more specialized courses in the film studies minor. It will also benefit anyone who wants to better understand how movies affect us and who wants to learn how to write critical film analyses.

FIL3363: Documentary Production

3

Description: Students work in teams to produce a digitally-filmed/recorded documentary. Studying documentary styles informs students in the decisions they will make in the planning, scripting, shooting, recording, editing, and exhibition of their (often community-based) documentary. Documentary is understood through its cinematic, artistic, and political contexts (as distinct from television and news broadcast).

Repeatability: This course may be repeated for up to 6 credit

hours.

FIL3801: Film Terms

3

Description: This course teaches cinematic literacy through an understanding of the terms and techniques used to analyze and to create film, from cinematography to sound to editing.

FIL3826: Movements in American Film

3

Description: This course will survey the history of American Film from the silent films of D.W. Griffith and Charlie Chaplin, to Classical Hollywood and Film Noir, to the Hollywood Renaissance of the 1970s and contemporary American cinema. The course will examine the emergence of genre films, including the musical, western, melodrama, comedy, and science fiction. Throughout, special attention will be given to the cultural and historical contexts within which film is formed.

FIL3831: Black Cinema

v. 3-6

Description: This course explores Black film histories and their influences in an attempt to define the themes, conventions, aesthetics, politics, and cultural uses of Black Cinema.

FIL3832: Horror Films

v. 3-6

Description: This course explores the horror film broadly and through its subgenres. It analyzes the formal conventions of horror films within their historical and social contexts and uses philosophy and film theory for analysis.

FIL3833: Film Genre

3

Description: This course focuses on identifying and analyzing film through genre.

Repeatability: This course may be repeated for up to 9 credit

hours.

FIL3930: Topics in Film

3

Description: This course offers varied topics in film organized by movements, styles, filmmakers, genres, historical periods, or themes.

FIL4073: American Film in Context: 1970s

3

Description: This course focuses on American Cinema of the late 60s and 70s within its historical, cultural, political, and cinematic contexts. The Hollywood Renaissance, Blaxploitation, and Vietnam War cinema will all be addressed.

FIL4075: American Film in Context: 1950s- -1960s

3

Description: This course outlines the Hollywood “transitional” years by analyzing its rich generic output—late noir, Cold War science fiction, conceptual western, melodrama, realism, spectacle, and exploitation—within its rich historical and cultural context—Cold War paranoia, Korean and Vietnam Wars, television, drive-ins, teenagers, motorcycle gangs, the Civil Rights Movement, the Sexual Revolution, conspicuous consumption, and poverty.

FIL4078: American Film in Context: 1980s

3

Description: This course focuses on American Cinema of the 1980s within its historical, cultural, political, and cinematic contexts.

FIL4300: Documentary Studies

3

Description: This course focuses on documentary film by style, movement, region, topic, and/or theme. Documentary in varying

media may be studied.

Repeatability: This course may be repeated for up to 6 credit hours.

FIL4361: Audio Documentary and Podcasting

v. 3-6

Description: In this course, students capture documentary material through audio—interviews, soundscapes, sound effects, environmental immersion, scripted voice-over, archive, diaries, and music—in order to craft complex, creative podcasts. They learn recording technique and equipment; research skills; narrative and scripted organization; documentary experimentation; interview styles and techniques; and audio editing.

FIL4379: Advanced Documentary Production

3

Description: Advanced students work in teams to produce a digitally-filmed/recorded documentary. Studying documentary styles informs students in the decisions they will make in the planning, scripting, shooting, recording, editing, and exhibition of their (often community-based) documentary. Documentary is understood through its cinematic, artistic, and political contexts (as distinct from television and news broadcast).

Repeatability: This course may be repeated for up to 12 credit hours.

FIL4828: Movements in International Film

3

Prerequisite: Sophomore, junior, or senior standing.

Description: This course will survey International Film through historically significant national movements to contemporary movements. Attention will be paid to the development of cinema as a whole and to specific historical contexts.

FIL4839: Film Noir

3

Description: This course examines film noir and neo-noir by

identifying generic conventions and their transformation through time. It situates film noir in cinematic history and it examines the social and cultural themes of noir by recognizing the historical context of pre- and post-World War II America.

FIL4843: Asian Cinema

3

Description: This course focuses on the appreciation and analysis of a regional component of Asian cinema with attention to style, genre, director, national tradition, and/or cultural and historical context.

Repeatability: This course may be repeated for up to 9 credit hours.

FIL4848: (CD) World Cinema and the Cross-Cultural Encounter

3

Description: Based on a set of films that focus on the situation of the cross-cultural encounter--including tourism, immigration, and transnational romance--this course will provide students with the analytical tools to address three central questions: What does it mean to be "abroad" ? What are the pleasures, privileges, and perils of being "lost in translation" ? And how does the cinema both reflect and participate in globalization? The principle analytical tools will be drawn from the diverse interdisciplinary fields of cinema and media studies, cultural studies, postcolonial studies, and cultural anthropology.

FIL4882: Cinema and Culture

3

Description: This course examines films as cultural texts. Topics may include representations of gender and sexuality, race and ethnicity, ideology, nationality, and cross-cultural exchange. This course is open to students in any discipline who are interested in understanding the influence of the historical and cultural context of film. The title is variable because the course's content will change from instructor to instructor.

FIL4900: Directed Independent Study in

This course provides students with the opportunity to undertake an advanced, independent study of film. Course content will vary by instructor.

FIL4931: Advanced Topics in Film**3**

Description: This course covers advanced topics, themes, or movements in film. It may cover topics, such as the Vietnam War; themes, such as crime in mass media; or movements, such as avant-garde film. Advanced Topics in Film contributes to students' broad understanding of film while also increasing their ability to study a topic in depth.

FIL4935: Advanced Topics in Film**3**

Description: This course offers advanced topics in film organized by movements, styles, filmmakers, genres, historical periods, or themes.

Repeatability: This course may be repeated for up to 9 credit hours.

FIL4940: Internship in Film Administration**3**

Description: Students participate in supervised fieldwork in some aspect of film programming/management--e.g. educational, theatrical, festival or program administration--to produce a designated project as defined by the student, agency supervisor, and the UNF faculty supervisor.

Repeatability: May be taken for a maximum of 6 credits.

FIL4945: Internship in Film Production**3**

Description: Students participate in supervised fieldwork in some aspect of film production to produce (1) a designated project as defined by the student, agency supervisor, and UNF faculty supervisor and (2) an Internship Portfolio documenting the experience.

Repeatability: May be repeated for a maximum of 6 credits.

LIS1001: Beginning Library and Information Systems Strategies **1**

This course is designed to acquaint the novice researcher with both traditional and computerized means of storing, locating, retrieving and evaluating information. This course emphasizes critical thinking and research skills and is especially recommended to freshmen.

LIT2000: Introduction to Literature **3**

Prerequisite: ENC 1101 The course will introduce students to writing about literature with a focus on the close reading, critical analysis, and informed appreciation of different kinds of literary texts. Gordon Rule English credit.

LIT2110: World Literature I **3**

Description: This course surveys major global literatures from ancient periods to the 18th century.

LIT2120: World Literature II **3**

Description: This course surveys major global literatures from the 18th century through the present.

LIT3213: The Art of Critical Reading and Writing I **3**

Description: This course serves as the first in a two-course sequence required of all English majors. The course introduces students to the intensity of reading by giving them the tools and habits of literary interpretation. Students will learn the vocabulary of traditional literary techniques. This class provides a solid foundation for the understanding of narrative and the practice of critical thought.

LIT3214: The Art of Critical Reading and Writing II **3**

Prerequisite: LIT 3213

Description: This course is the second in a two-course sequence required of all English majors. The course continues training students in the application of traditional literary techniques and concepts of literary theory.

LIT3304: Literature of Popular American Culture **3**

Description: Interpretation and exploration of American mass culture from late 1800s to present, including literature of all types, from novels, song lyrics and plays, to film and film scripts, rock operas and best-sellers.

LIT3331: Children's Literature **3**

Description: This course examines literature for children from social, psychological, educational, and other points of view.

LIT3333: Young Adult Literature **3**

Description: This course examines texts created for young readers. Students will read classic and contemporary literature considered suitable for middle school students, as well as read literary criticism focusing on Young Adult literature. The course considers what characteristics place a text within the field, as well as characteristic themes and concerns of the texts.

LIT3930: Special Topics: Literature **3**

Prerequisite: Sophomore standing or permission of instructor.

Description: Variable topics in literature.

Repeatability: May be repeated up to 12 credits under different topics.

LIT4042: Dramatic Literature **3**

Description: This course offers students an opportunity to examine dramatic literature in different contexts. The course may focus on a period of dramatic literature, a genre, a theme or topic, or explore connections between drama and other modes of performance. Selected works may explore such topics as the representation of suffering on stage, the representation of women in tragic theater, the suicidal impulse in/of Modernism, the conflict between presentation and representation, or the enduring presence of tragedy. This course will provide instruction in methods for analyzing dramatic literature.

LIT4083: Studies in Modern Literature **3**

Literature and culture of the modern era (roughly late 19th century to mid-20th century). May focus on a particular theme, author, genre, group of authors or national literature. Course may be repeated up to 12 credits under different topics.

LIT4093: Contemporary Literature **3**

Various approaches to the literature of the generations since World War II. May be international in scope or may concentrate on the literature of one nation. Course may be repeated up to 12 credits under different topics.

LIT4243: Major Authors **3**

Prerequisite: Junior standing or permission of instructor. Study of writings by one or more authors. Variable topics. May be repeated up to 12 credits under different topics.

LIT4650: Comparative Literature **3**

Variable topics; world literatures in translation. Course may be repeated up to 12 credits under different topics.

LIT4905: Independent Study **v. 1-3**

Prerequisite: Consent of instructor and department chairperson. Tutorials or senior theses handled under this title. May be repeated up to 12 credits under different topics and permission of department.

LIT4930: Special Topics in Literature**v. 1-3**

Prerequisite: Junior standing or permission of instructor. Topics of importance in literature. Course may be repeated up to 12 credits under different topics.

LIT4934: Seminar in Literature**v. 3-9**

Prerequisites: 4 upper-division English courses or permission of instructor.

Description: This course serves as an advanced capstone for English majors. Its purpose is to provide an opportunity for small-group, intensive study and practice with both primary texts and approaches to literary criticism. Thus, integration of both in-depth studies of literary texts and critical skills will characterize the course experience.

Repeatability: up to 9 credits

LIT4940: Practicum: English**v. 1-6**

Description: Practica are supervised educational/training experiences that offer students the opportunity to shadow a faculty member through the teaching of a course for the purposes of intensive experience and education in pedagogy, course administration, and teaching. The student's work is monitored, guided, and evaluated by a faculty member. Repeatability: This course may be taken for up to 12 credits.

THE2000: Theater Appreciation**3**

This course is for students interested in understanding and appreciating one of the oldest art forms in the world. For thousands of years, humans have put on masks and adopted personas and behaved as if they were different from the people they are. Why? Why have they felt the need to pretend to be who they are not, to express feelings that are not really their own, and to direct their bodies to act out stories in front of spectators, stories in which they come into conflict with others? In order to address these and related questions, students will read plays, analyze scripts, and attend and write about local productions. They may also complete a group project in a live theater. No

acting experience is required. The course can be applied to Category C for non-applied fine arts General Education credit.

THE4904: Independent Study in Drama and Theater

v. 1-6

Description: This course supports student-designed reading, research, or performance projects.

Repeatability: The course may be repeated for up to 12 credit hours and requires departmental permission.

THE4935: Special Topics in Drama and Theater

3

Description: This course can be offered as a lecture, seminar, or studio course covering selected topics of interest in drama or theater.

Repeatability: This course may be repeated for up to 6 credits under different topics.

TPP2100: Acting I

3

This is a beginning course in the fundamentals of acting. Students learn a working vocabulary and acquire basic skills of the acting process. Through formal and improvisational techniques for developing vocal, physical, and analytical skills associated with behavior-based acting, students explore the imagination as the actor's primary resource for building a character. Emphasis is on relaxation, trust, and mental agility. Some monologue and/or scene work may be required.

TPP3103: Acting II

3

Prerequisite: TPP 2100 or permission of instructor This is an advanced course in acting that builds on skills learned in Acting I. Students gain a working knowledge of the analysis, rehearsal, and performance techniques associated with particular acting methods or styles. Different semesters focus on different styles depending on the semester's production schedule. Acting methods and styles include techniques associated with works in Realism and the American "Method" as practiced by Adler, Meisner, and Hagen;

techniques associated with analysis and performance of the classical verse drama of Shakespeare and Moliere; techniques associated with Commedia, Expressionism, and Brechtian theater; techniques associated with more physically based systems such as Alexander and Suzuki. Students will read dramatic texts and theory. A commitment to substantial scene rehearsal is required. May be repeated for up to 6 credits.

TPP4241: Theater for Social Change

3

Description: This course is an introductory workshop addressing the theory, application, and facilitation of techniques associated with applied theater. Students will learn games, exercises and techniques for creating improvisations that empower participants to collectively investigate thorny issues, build consensus, and rehearse problem-solving strategies to implement in the real world. This course is for students interested in education, social work, allied health fields, the arts, or those interested in working toward social change in their communities. This hands-on, participatory workshop is 80% experiential and 20% reflective/didactic. No theater experience or training is necessary. Students will be asked to bring with them a desire to play, learn, and grow in an intimate, highly personal setting.

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Undergraduate Courses

Psychology

CBH3004: Comparative Psychology **3**

Prerequisite: PSY 2012.

Description: This course surveys the major concepts and approaches of the comparative study of behavior across a wide variety of species. Course content emphasizes an integrative approach to psychology by promoting an understanding of behavior in the context of the biological, ecological, and social milieu of the organism.

CLP2180: Stress Management **3**

Description: Stress has been shown to be a significant factor in many mental and physical disorders. This course surveys the major techniques currently available to aid the individual in coping with the effect of stress. Drugs, hypnosis, medication, biofeedback and life-style modification are discussed and demonstrated.

CLP4134: Childhood Psychopathology **3**

Prerequisite: CLP 4143 or permission of the instructor

Description: This course provides an in-depth survey of common psychological disorders in childhood and adolescence. The characteristics, risk and protective factors, developmental course, and epidemiology of these disorders will be discussed. The course will also provide an overview of diagnostic and classification schemes, and research-based overview treatment and prevention strategies. Disorders discussed will include ADHD, learning disabilities, pervasive developmental disorders, anxiety, and depression.

CLP4143: Psychology of Abnormal Behavior **3**

Prerequisite: PSY 2012

Description: This course will increase the student's

comprehension of the biological, psychological and socio-cultural variables that influence the development of problem behaviors and the theories and research in the field of abnormal psychology.

CLP4313: Health Psychology

3

Description: This course introduces students to the mind-body relationship and the contribution of psychology in understanding health promotion, health care, and the etiology and treatment of physical illness. Representative topics covered in this course include changing health habits, stress and coping, health care utilization, patient-provider relations, and managing chronic illness such as heart disease, AIDS, diabetes, and cancer.

DEP2002: Foundations of Child and Adolescent Psychology

3

Description: This course is an overview of psychological principles, theories, and research pertaining to the developing child from conception through adolescence. The course will cover biological and environmental influences on affective, cognitive, moral, social, and personality development. This course will be oriented toward an applied understanding of child and adolescent development and therefore application to teaching and/or parenting needs.

DEP3054: Lifespan Developmental Psychology

3

Prerequisite: PSY 2012 or permission of the instructor

Description: This course provides a scientific account of human development from conception through adolescence, and into old age, with an emphasis on empirical findings and theoretical interpretations. Within this context, issues of nature-nurture and developmental continuity-discontinuity will be explored.

DEP4060: Applied Developmental Psychology

3

Prerequisite: DEP 3054

Description: This course is designed to create a greater understanding of the interconnectedness of science and practice by dealing with the application of research in applied developmental psychology to a variety of areas including educational, clinical, medical and public policy. An optional associated practicum experience (PSY 4945) is offered with this course.

DEP4104: Advanced Child Psychology 3

Prerequisite: DEP 3054

Description: The goal of this course is to create a greater understanding of, and sensitivity to, contemporary child behavior by relating research to current problems in the home, the school, and society.

DEP4304: Advanced Adolescent Psychology 3

Prerequisite: DEP 3054

Description: This course is designed to create a greater understanding of, and sensitivity to, contemporary adolescent behavior and its relationship to family, school, and society.

DEP4464: Psychology of Aging 3

Prerequisite: PSY 2012 or consent of the instructor

Description: This course is an introduction to current information and psychological research on aspects of old age and aging. Topics include the intellectual, motivational, psychobiological, performance and personality changes that occur in late adulthood and old age.

DEP4482: Death and Dying 3

Prerequisite: DEP 3054

Description: End-of-life issues are examined within the more general context of lifespan developmental psychology. Topics discussed include historical perspectives, euthanasia, medical and legal issues, hospice, grief and bereavement, children and death, violent death/disasters/megadeath, and beyond death.

EAB3013C: Foundations of Experimental

Analysis of Behavior Lab

4

Prerequisite: EXP 3412, PSY 3213 and PSY 3213L

Description: An introduction to reinforcement theory and the application of these principles to animals under controlled laboratory conditions. Topics include shaping, schedules of reinforcement, generalization, discrimination, secondary reinforcement, punishment, avoidance and changing of behavior.

Course Fees: \$15

EAB4703: Behavior Modification

3

Prerequisite: EXP 3412

Description: Students will learn to apply the principles of operant and respondent conditioning to the control of human behavior. Behavioral problems in business, education, and clinical settings are frequently amenable to the behavioral approach.

EXP3104: Human Sensory Perception

3

Prerequisite: PSY 2012

Description: This course surveys sensory systems and perceptual processes, primarily in humans. Content includes anatomical structures, behavioral observations, and theoretical models. The interaction of biological systems and cognitive processes is emphasized. One system (e.g., vision) may be studied in considerable detail as a model of perception and perception research, with selected examples from other sensory systems to examine modality-specific mechanisms and underlying principles of all perceptual systems.

EXP3412: Learning Theory

3

Prerequisite: PSY 2012

Description: This course introduces students to variables affecting behavioral change in both man and animals. Emphasis is placed on an integration of these variables through the presentation of several theoretical perspectives on learning.

EXP3461C: Human Learning and Performance

4

Prerequisite: EXP 3412, PSY 3213, and PSY 3213L

Description: This course provides hands-on experience in conducting experiments in human learning and performance. The theoretical focus is on basic mechanisms of human learning from infancy to adulthood, with special emphasis on motor performance. The practical focus is on design of experiments, analysis of data, presentation of graphs, and on public as well as written presentation of research results. Topics for research projects may include computerized experiments on motor skills in aiming at targets, interception of moving targets, and visual guidance of motor skills.

EXP3604: Cognitive Psychology

3

Prerequisite: PSY 2012

Description: This course surveys topics in cognitive psychology, including attention, perception, memory, reasoning, problem solving, language, and cognitive development. Through lectures, readings, and classroom demonstrations, students will learn about empirical findings and theoretical issues pertaining to the scientific study of human information processing and cognition.

EXP3680C: Experimental Cognitive Psychology

4

Prerequisite: EXP 3604, PSY 3213, and PSY 3213L

Description: This is a laboratory course in which students design, run, and report scientific research examining various cognitive processes involved in how people think. Topics for research projects may include memory, language, attention, reasoning, problem solving, and other mental processes used in human information processing and cognition.

EXP3703C: Computer Applications in Psychological Research

4

Prerequisite: PSY 3213 and PSY 3213L

Description: This course provides hands-on experience with using computers in psychological research. The focus is on computer applications in literature searches, in conducting actual and simulated experiments, and in statistical data analysis.

EXP4252C: Human Factors and Ergonomics

4

Prerequisite: EXP 3604, PSY 3213, and PSY 3213L

Description: This course will review principles of human factors/ergonomics design with an emphasis on ergonomic methods and evaluation techniques on modern product. The course covers user-friendly design, human information processing, display and control design, fundamentals of biomechanics and anthropometrics, musculoskeletal injuries (including cumulative trauma disorders such as carpal tunnel syndrome), and workload assessment.

INP4004: Industrial Organizational Psychology

3

Prerequisite: SOP 3004

Description: This course addresses the application of psychological theory and practice to problems in the world of work, including exploration of selection strategies, training procedures, performance appraisal techniques and the problems of leadership, communication, decision-making and motivation. Emphasis will be placed on the potential compatibility of the individual and the organization in a rapidly changing world.

PCO4004: Introduction to Counseling

3

Prerequisite: DEP 3054 plus PPE 4003 or CLP 4143

Description: This course covers the major counseling theories which include philosophical assumptions about human functioning, hypotheses about behavior change, and the goals and methodologies of these counseling approaches. Emphasis also is placed on research and ethical considerations.

PPE4003: Theories of Personality

3

Prerequisite: PSY 2012

Description: This course attempts to develop an understanding of theories of personality structure and dynamics, from Freud to the present, in order to assist in the analysis of behavior.

PSB3002: Behavioral Neuroscience

3

Prerequisite: Human Anatomy and Physiology, Zoology or General Biology with laboratory

Description: This course addresses the examination of the biological bases of behavior. An initial coverage of the neural and endocrine systems is followed by an investigation of the role of these systems in sensory, motivational, emotional and learning processes.

PSB4113: Principles of Biofeedback **3**

Description: An in-depth discussion of the major modes of biofeedback, including electromyographic and thermal feedback are presented. This course will introduce students to the advantages, disadvantages, safety precautions, ethics and major applications of biofeedback.

PSB4434: Neuropharmacology **3**

Prerequisite: PSB3002

Description: In this course we will discover how psychoactive drugs alter neurotransmission and, thereby, human perception, cognition, emotion, and behavior. After reviewing principles of pharmacology and the structure and function of the human nervous system, we'll study the specific pharmacological mechanisms and behavioral effects of different legal and illegal drugs including alcohol, nicotine, caffeine, cocaine, marijuana, methamphetamines, opiates, hallucinogens, antidepressants, anxiolytics, and antipsychotics. We'll discover how drug use changes the brain and consider how we should understand and treat addiction disorders.

PSB4930: Special Topics in Behavioral Neuroscience **3**

Prerequisite: PSB3002

Description: This course provides advanced undergraduate students with an opportunity to explore, in depth, a variety of contemporary topics in behavioral neuroscience. This course is repeatable with different topics for up to nine credits.

PSY2012: Introduction to Psychology **3**

Description: This course is an introduction to the scientific study of human and animal behavior. The principles, theories and methods of psychology will be surveyed in the context of topics central to the development and present status of the discipline.

PSY2930: Special Topics

3

Description: This course allows students to explore topics of current importance in psychology. Topics will vary from semester to semester. May be taken by majors and non-majors.

Repeatability: May be repeated up to 12 credits

PSY3021: Professional Opportunities in Psychology Seminar

1

Prerequisite: PSY 2012

Description: This course provides a broad overview of educational and professional issues that are of relevance to students majoring, or considering a major, in psychology, including an overview of career options in the field of psychology. The course utilizes a mixture of seminar and lecture format.

PSY3213: Research Methods in Psychology

3

Prerequisite: STA 2014

Description: This course provides an understanding of the philosophy of science and psychology as a branch of science, enhances critical thinking and logical inference and elaborates basic research methodologies in psychology. Ethical principles in research also are covered.

PSY3213L: Research Methods Lab

1

Prerequisite: PSY 3213

Co-requisite: PSY 3213

Description: This course provides psychology majors with basic experience in using computers to conduct statistical data analysis and literature searches. Previous experience with computers is helpful but not required.

PSY3810: Evolutionary Psychology

3

Description: Evolutionary Psychology is intended to provide a basic review of the physical, behavioral, and cognitive processes that may have evolved from naturally occurring biological forces, including social selection pressures, throughout human evolutionary history. The course focuses on research-based knowledge and application of evolutionary principles. Course topics include the form and function of human consciousness, interpersonal behaviors, and major bodily systems, including stress reactivity, emotionality, masculinity/femininity, culture, mate preferences, and social development.

PSY3832: Psychology of Sport

3

Description: This course examines psychological theories and research related to sport participation and performance. This course is designed to introduce the field of sport psychology by providing a broad overview of the major topics in the area, such as performance enhancement, motivation, group processes, stress, and leadership.

PSY3911: Supervised Research

v. 1-3

Prerequisite: PSY 3213

Description: Credit is earned by working with a faculty member in a supervised setting on one or more psychological research projects. This may include laboratory research, data analysis, field experience, and library research. No more than three hours may be counted as part of the degree program. Grading for this course is on a pass/fail basis.

Repeatability: This course may be repeated for up to 6 credits.

PSY4302C: Psychological Testing

4

Prerequisite: PSY 3213 and PSY 3213L; CLP 4143 or DEP 3054 or PPE 4003

Description: This course is an introduction to the development, interpretation, and uses of psychological tests and to the value and potential dangers inherent in their applications. Statistical and

psychological concepts necessary for the interpretation of test scores are emphasized.

Course Fees: \$20

PSY4604: History of Psychology **3**

Prerequisite: PSY 2012 or equivalent, junior or senior status, permission of instructor

Description: This course offers an overview of the historical roots of psychology. Major conceptual developments since psychology became a distinct science are covered, as are the key figures in the history of the discipline.

PSY4774: Close Relationships **3**

Prerequisite: PSY 2012

Description: This course provides a broad introduction to topics (e.g., intimacy, attraction, interdependency, love, jealousy) and findings in relationship science. It does so using psychological theory and research to examine the processes (e.g., social cognition, communication, conflict management-mismanagement) involved in close relationships (i.e., friendships, romantic relationships, marriages).

PSY4870: Conservation Psychology **3**

Prerequisite: PSY 3213

Description: This course will center on the relationship between human behavior and the natural environment. Students will gain familiarity with the theories that have been applied to understanding conservation behavior through text readings and journal articles. Students will learn how to apply these theories to design interventions to increase conservation behavior.

PSY4904: (GW) Honors Research **v. 1-6**

Prerequisite: Admission to the Honors in Psychology Program, PSY 3214, and one experimental course

Description: The course provides a vehicle for students to work closely with a sponsoring faculty member on an individually supervised research project. Students must enroll for six hours total, which will usually be spread over two semesters. Gordon Rule Additional Writing credit.

Repeatability: This course may be taken for a total of 6 credit hours.

PSY4906: Directed Individual Study v. 1-3

Prerequisite: Fifteen core hours in psychology

Description: This Directed Individual Study may be repeated up to 12 credits under different topics but only 3 credits may be counted as a part of the degree program.

Repeatability: This Directed Individual Study may be repeated up to 12 credits.

PSY4931: Seminar v. 1-3

Prerequisite: Fifteen core hours in psychology

Description: This Seminar may be repeated up to 12 credits but only 3 credits may be counted as a part of the degree program.

Repeatability: This Seminar may be repeated up to 12 credits.

PSY4935: Special Topics in Psychology v. 1-4

Description: This course provides a way to explore topics of current importance in psychology. Topics may be initiated by faculty and/or students in consultation with the department chairperson. This course may be taken by non-majors.

Repeatability: This course may be repeated up to 12 credits but only 4 credits can be counted as part of the degree program.

PSY4945: Practicum in Applied Psychology v. 1-3

Description: This practicum involves placement in a community setting reflecting the student's main area of job orientation with supervision by faculty. This course may be repeated up to 12 credits but only 3 credits may be counted as a part of the degree program. For each hour of credit, at least four hours per week during the semester must be spent in practicum.

Repeatability: This course may be repeated up to 12 credits.

SOP2772: Human Sexual Behavior

3

Description: This course will explore the psychological and physiological aspects of human sexual behavior. Emphasis will be placed on the cultural and biological diversity of sexual expression.

SOP3004: Social Psychology 3

Description: This course involves an introduction to the study of social influences on human behavior. The topics include social perception, affiliation, attraction, prosocial behavior, aggression, attitudes and attitude change, group behavior and leadership.

SOP3214C: Experimental Social Psychology 4

Prerequisite: SOP 3004, PSY 3213 and PSY 3213L

Description: This course involves an introduction to the study of social influences on the behavior of individuals. The principles studied will be applied under controlled laboratory conditions.

SOP3515: Fundamentals of Conflict Transformation 3

Description: This course explores the nature of conflict that is borne by individual, relational, cultural, and structural differences and inequalities. This course will teach undergraduate students the skills to engage in change efforts. Transforming conflict intrapersonally and pursuing peace building interpersonally, students are empowered to recognize and transform conflict in relationships, institutions, and organizations. The course is designed to facilitate a perspective that is insightful and competent in creating change for people whose culture, philosophy, racial identity, gender, sexual orientation, abilities, age, religious orientation, and socio-economic status are a damaging source of conflict.

SOP3723: Culture and Psychology 3

Prerequisite: PSY 2012

Description: This course introduces the student to the essential

concepts and research in the fields of culture and psychology and cross-cultural psychology. Human behavior and mental processes in various cultures and ethnic groups will be studied. Topics covered in class include definitions of key terms, methodological approaches to the study of culture, acculturation, ethnocentrism, multicultural competence, culture and health, culture and emotion, culture and language, culture and decision making, cultural values, and culture and organizations.

SOP3742: (CD) Psychology of Women

3

Description: This course involves an investigation of the major theories as they relate to psychology of gender. Findings from the field of psychology regarding aspects of sexual differentiation and gender roles in general, and for women in particular, will be explored.

SOP3751: Psychology and the Law

3

Description: This course is an introduction to the study of the legal system from a psychological perspective. The course will use psychological concepts and methods to aid in the understanding of the legal system. Topics include theories of criminal behavior, victimization, law enforcement, the jury trial, witnesses, verdict and sentencing, mental illness, corrections, and family law.

Undergraduate Courses

History

AFH3100: Ancient Africa to 1850

3

Description: A foreign culture course that emphasizes African social, cultural, and material changes from the archaeological and historical record. The course covers Africa's encounters with old and new religious traditions (including Christianity and Islam), the rise of major kingdoms (Ghana, Mali, and Kongo), and the global significance of how slavery affected African societies and the African diaspora via the trans-Saharan, Indian Ocean, and trans-Atlantic Slave Trades.

AFH3200: History of Modern Africa: From 1807-Present

3

Description: This course explores the history of Sub-Saharan Africa from the end of the Trans-Atlantic Slave Trade to the present. Emphasis will be placed upon African perspectives toward trade; the partition of Africa; methods of colonial rule; the rise of nationalism; decolonization movements; and the emergence of post-colonial nation-states.

AFH3252: War, Genocide, and HIV in Mod. Africa

3

Description: Africa's post-colonial history is designed to introduce and further develop student interest and knowledge about current problems that many Sub-Saharan African countries face. We will use several important case studies from a variety of African nations to talk about four broad, but pressing problems: aid and development; HIV/AIDS and malaria; genocide; and child labor/child soldiers.

AFH3301: Ancient Egypt

3

Description: This course will explore the history, culture, and society of ancient Egypt, from the time of the earliest settlers in the Nile valley to the incorporation of Egypt into the Roman Empire. It will use readings from ancient Egyptian texts, along with examination of the archaeological remains of Egyptian civilization, to reconstruct the world of the ancient Egyptians.

AFH3450: (CD)(FC) South Africa 3

This class investigates the origins and development of South Africa from the colonial period in the seventeenth century to the present. The course examines the complex interactions between the myriad groups during different eras of South African history. The class also compares and contrasts the history of race relations in South Africa and the United States.

AMH2000: United States History Survey 3

This is a one semester course examining significant events and themes of the American past, and the men, women, institutions, ideas and forces that have shaped that past into our contemporary civilization.

AMH2010: United States History to 1877 3

This course emphasizes the European background, causes and consequences of the Revolution, growth of democracy, westward expansion, causes and consequences of the Civil War and Reconstruction.

AMH2020: United States History since 1877 3

A history of the United States since 1877 emphasizing industrialization and urbanization, the Progressive period, the New Deal, post-World War II domestic reform and the emergence of the U.S. as a world power.

AMH3111: Early America 3

The European background of colonization and the evolution of social, political, economic and religious institutions in the colonies to 1763; the development of slavery; white-Indian interactions and

their environmental consequences.

AMH3130: American Revolution/Constitution 3

An examination of the economic, political and social causes and consequences of the American Revolution; the impact of international events on the course of the revolution; and the origins of the Constitution.

AMH3150: Age of Jefferson and Jackson 3

The era encompassing the lives and careers of Thomas Jefferson and Andrew Jackson, with special reference to the emergence of major political parties and social attitudes and government policies regarding Native Americans and Afro-Americans.

AMH3170: Civil War/Reconstruction 3

Examines the economic, political, social and moral origins of the war; the course of the conflict; and the meaning and impact of Reconstruction.

AMH3202: The United States Since World War I 3

Examines the social, political, economic, technological and cultural forces and events that have shaped American history since World War I.

AMH3220: The Making of Modern America 1877-1920 3

This course examines the transformation of American society from the end of the Civil War era through the First World War in the areas of industrialization, urbanization, immigration, diplomacy, government, culture, and the way Americans thought about themselves.

AMH3233: U.S. in the 1920's 3

This class offers an investigation of the many facets of America in

the 1920s. The themes and images portrayed in the literature of the period will constitute one major focus of this course. Students will read poetry and prose of major American artist of the period. Students will also investigate accounts of historians and other scholars who analyze the social, economic, political and cultural dimensions of the decade known as the "Jazz Age" and the "Roaring 20s".

AMH3312: CD-Gender in the United States **3**

This course explores the changing meaning and significance of gender and sexuality in the United States over time and across cultures. Particular attention will be paid to variations in gender roles, the status of men and women, sexual behavior and identity in diverse cultures in America, as well as challenges to gender and sexual status quo from the colonial period to the present.

AMH3402: History of the Old South **3**

This course will introduce students to the history of the American South from the beginnings of European settlement in the early 17th century to the end of the Civil War. We will explore the various peoples that interacted in different parts of the South, including Native Americans, Africans, and British, French, and Spanish colonists. A central theme of the course will be the development of racial slavery in Britain's North American colonies. We will explore how and why this institution developed and seek to understand the experience of both slaveholders and enslaved people. We will also look in detail at the social and economic growth of the Southern colonies and their participation in the larger Anglo-American world. Students will examine how important movements and events in American history were created and experienced by Southerners, including the American Revolution, the Second Great Awakening, Jacksonian political battles, and the Market Revolution.

AMH3403: History of the New South **3**

This course introduces students to the history of the American South after the Civil War. We will consider the separate regions of the South-Lowcountry, Piedmont, Mountain- and how these have changed over time. A central focus of the course will be the development and changes in Southerners' thinking about race and racial difference. We will also consider other ways that

Southerners identified and organized themselves- by gender, class, religious beliefs, political ideologies, and residence. Of central importance will be the social and economic changes in the 20th century South, including the increased industrialization and urbanization of the region.

AMH3420: Florida History **3**

History of Florida from its colonial origins to the present. Economic, social, and political developments in Florida will be compared to other states in the region and in the nation. Case studies of topics in Florida history will focus on Jacksonville and other cities and regions in the state.

AMH3440: The Frontier in American History **3**

An examination of the frontier, both as historical reality and as historiographical concept, in America from late colonial times to the present.

AMH3444: CD - Peoples of the American West **3**

The course constitutes the history of various groups of people who have populated the American West from pre-Columbian times to the present. The Southwest will be the focal point. Many references, however, will be made to the Pacific Northwest.

AMH3460: American Cities and Suburbs **3**

This course examines urban growth from colonial towns and cities to 20th century metropolitan centers. It also focuses on city builders, party bosses and reformers, immigrants and black migrants, slums and suburbs, and popular culture to offer a historical perspective on contemporary American society.

AMH3511: The United States in World Affairs **3**

A thematic analysis of U.S. foreign policy from independence to the present. Concepts like self-defense, economic expansion, international policeman and moral crusading are examined in connection with major events.

AMH3544: The 1960s and Vietnam **3**

An examination of the key political, economic, and cultural developments in the U.S. during the 1960s, with special reference to the Kennedy and Johnson administrations; and analysis of the Second Indochina War from Vietnamese and American perspectives.

AMH3571: (CD) Introduction to African-American History **3**

The African-American experience from the colonial period to the Civil War era, from slavery to freedom. Key themes include the evolution of the African-American family and community, and the emancipation and civil rights movements before the 20th century.

AMH3580: (CD) American Indian History **3**

This course examines North American Indian history from the pre-colonial period through the late twentieth century. We focus on understanding how different American Indian nations resisted and responded to the challenges (and opportunities) presented by European colonization, westward expansion, and U.S. federal and state policies. The course studies the diversity of American Indian societies and their experiences, and the historical roots of key issues in American Indian communities today.

AMH3630: Environmental History of the United States **3**

Description: Focusing on the United States, this course explores the relationship between humans and Nature over time. In particular, we will consider the way that humans have changed Nature, how Nature has changed human lives, and the laws and institutions that have moderated such interactions. Scholars in this field are concerned with such things as deforestation, pollution, climate change, cities, farming, and “green” politics among other things. This is a course on human history, not natural history. As a relatively new field, environmental history allows us to pose important and/or well-worn historical questions in new ways, or to ask new questions about old historical topics. This will

be a lecture based class, although we will draw upon discussions, films, and field trips. Students' learning will be assessed through quizzes, essays, a midterm, and a final.

AMH3672: Atlantic Slave Trade **3**

This course introduces students to the origins of the slave trade between Africa and the Americas. Specifically, we will examine the motivations that drove Africans and Europeans to create a system of slave sales and use in the New World. We will attempt to understand the people of early modern West and Central Africa on their own terms, explore western Europe and the aspirations and purposes behind the exploration of both Africa and the Americas, understand the processes and outcomes of the Trans-Atlantic Slave Trade, and explore the development of multiple slave systems within the Americas.

AMH3673: The Civil Rights Movement **3**

The history of the Civil Rights Movement in the late twentieth century in the United States is the focus of this course. In addition, the role of the media and the way in which various aspects of popular culture have promoted and depicted the struggle for racial equality in America will be examined. Consequently, in addition to standard history text, the students will read and analyze literary works, films and music to gain insight into the social, political and cultural impact of the Civil Rights Movement.

AMH3932: Selected Topics: US History **3**

This course will present selected topics in US history. Subjects will vary according to instructor. The course may be repeated up to five times for a total of 15 credits under different topics.

AMH4291: Seminar: 20th Century America **3**

Prerequisite: HIS 3051 or permission of instructor. An investigation of topics, eras, or themes in U.S. history in the 20th century. Topics, eras or themes may vary. May be repeated for 6 credits with consent of the instructor.

AMH4390: Seminar: 19th Century U.S. **3**

Prerequisites: HIS 3051 or permission of the instructor. This seminar will investigate topics, eras, or themes in U.S. history in the 19th century. Topics, eras, or themes may vary.

AMH4491: Seminar: Local History **3**

Prerequisite: HIS 3051 or permission of instructor. A research and writing workshop intended for any upper-level student seriously interested in local history. Although the focus of the seminar is the Northeast Florida region, the techniques learned should be equally applicable to any locality in the U.S.

AMH4497: Seminar: History of the American City **3**

Prerequisite: HIS 3051 or permission of instructor. Urban America since World War II; federal-city relations, suburbanization and sprawl, urban minorities, urban culture, downtown revitalization, and the rise of the Sunbelt. Special attention will be given to Jacksonville.

AMH4584: Native Southerners **3**

Prerequisite: HIS3051

Description: This seminar examines key themes in the history of Native Americans who lived in the Southeastern United States from the late Mississippian period (1500s) through the Removal era (1830s) and into the present. We pay particular attention to the South as Native-controlled space and to Native strategies of survival and innovation in the face of enslavement, war, epidemics, migration, and forced removal from their homelands. Students will be trained in reading primary sources through Indigenous lenses.

AMH4906: Directed Individual Study **v. 1-3**

Prerequisite: Written consent of the instructor. May be repeated for 6 credits with consent of chairperson.

ASH3200: (FC) - Ancient Near East **3**

This course provides an introduction to the history and cultures of the ancient Near East. Starting with the origins of civilization in

Mesopotamia and Egypt, it traces the spread of cities, writing and literature, the arts, religion and thought throughout the Fertile Crescent, to the rise of Islam. The interactions of the peoples of the Near East - the Sumerians, Babylonians, Assyrians, Hittites, Egyptians, and Hebrews - and the continuity of cultural traditions in the region will be stressed

ASH3201: (FC) Ancient Israel

3

Description: This course will explore the historical traditions of the Israelites, from their origins and settlement in the land of Israel to their absorption by the Roman Empire, their revolts, and finally their Diaspora throughout the Mediterranean and Near East. The course will place the Israelites in the context of the ancient Near Eastern and Mediterranean worlds, and will critically evaluate the Biblical accounts of Israel in comparison with documents from the other societies of the region, as well as the archaeological evidence from the Biblical lands. The aim will be to understand the historical reality of the people of Israel and its society, culture and religion, and to appreciate their enormous influence on later historical developments and religious thought.

ASH3223: (CD)(FC)Middle East

3

An introduction to the historical forces shaping the Middle East, such as Islam, nationalism, Westernization, and nation-state building. Topics covered include: Islamic civilization, the Ottoman Empire, the Eastern Question, the Arab awakening, the Iranian Revolution, the Arab-Israeli dispute, and the regional and global repercussions of contemporary issues.

ASH3337: (FC) Gandhi and Modern India

3

This course scrutinizes recent interpretations of Gandhi's life and thought, and most especially his roles as a religio-philosophical teacher and a nationalistic political leader. It aims to add new dimensions of knowledge about the Indian leader, his nation, and the world-wide impact of his ideas.

ASH3401: Contemporary China

3

This course is designed to introduce students to major themes in

contemporary Chinese history from the death of Mao Zedong in 1976 to the present. The course is designed chronologically and thematically to enhance students' grasp of factual material, and to provide greater insight into social, cultural and intellectual currents. Through a series of readings, images and films students investigate the dramatic cultural, economic, social and intellectual upheavals the People's Republic of China has experienced in recent decades.

ASH3402: Traditional China

3

Traditional China evokes a vision of a virtuous emperor in the center, who, with the help of a cumbersome bureaucracy, broadcasts to the empire timeless Confucian ethical principles such as loyalty and filial piety, so as better to govern a stable and compliant agrarian society. Fortunately, this apparently rigid mold proves, more often than not, to be plastic. Broken up by periods of chaos and upheaval, traditional China features a flamboyant pageant of characters- megalomaniacal emperors, devious palace women, sycophantic poets, wandering scholars, calculating merchants, scheming ministers, daoist mystics, and rebel peasants claiming appointments from heaven-who collectively flaunted, challenged, and reshaped its structure.

ASH3404: Modern China

3

In 1750, Qing China was populous, vibrant, and strong. By 1911, gutted by savage civil wars, foreign imperial powers, and corruption, the last of the Chinese dynasties collapsed. The pillars that had for more than two millennia upheld the edifice of traditional China-the imperial monarchy and the Confucian bureaucracy-were no more. This course follows the painstaking transition from tradition to modernity in China, as the Chinese culture transformed gradually into a Chinese nation. Themes include: imperialism, westernization, nationalism, tensions between traditional and modern ideas, student activism and political change, and democracy and communism.

ASH3440: (CD)(FC) Japanese Civilization

3

This course aims to provide the student with an introduction to Japanese history and society. Topics will include Japanese ethnocentrism, religious traditions, historical consciousness, village society, urbanism, family life, education, contemporary

politics, Japan's economic miracle, consumerism, sports and the arts. We will look at the Japanese as they see themselves

ASH3441: Japan Before 1868 **3**

This course covers the period from the ancient creation of the Imperial system through the rise of the military class. Readings will reveal the Japan of gods and goddesses, samurai, the great Buddhist academies and the classic arts of the tea ceremony, gardening, sculpture, literature and martial skills.

ASH3448: (CD)(FC) Hiroshima **3**

This course examines U.S.-Japanese relations as defined by the atomic bombings of Hiroshima and Nagasaki. The first half of the course focuses on the causes of World War II, as well as the U.S. decision to use the bomb. The second half examines the consequences in Japan and the United States.

ASH3620: (FC) Asian Art and Culture **3**

Asian Art and Culture explores the various genres in the visual arts of the Islamic world, and the civilizations of India, China, and Japan. The literary and performing arts are examined as they relate to ceramics, sculpture, painting, cinema, and architecture.

ASH3932: Selected Topics: Asian History **3**

This course will present selected topics in Asian history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

ASH4934: Seminar: Asian History **3**

Prerequisite: HIS 3051 or permission of instructor. This course is a seminar in Asian history. The topics will vary with the instructor. The course may be repeated up to 5 times for a total of 15 credit hours under different topics.

ASN2003: (CD) Introduction to Asia **3**

An introduction to the history and culture of Asia. In addition to examining selected aspects of Asia's past and present, we will

also explore the problems of "Orientalism" and the historical standards employed in various chronicles of Asia (required for the minor in Asian studies).

ASN3106: (FC) Women and Gender in East

Asia

3

Description: There is a common perception that Asian cultures traditionally were and still are wholly patriarchal, societies where "men are venerated and women are denigrated" (as a Chinese saying goes). It turns out that such a simple paradigm is inadequate to capture the complexity of gender dynamics in either traditional or modern Asia. In traditional times, women sometimes broke free of the domestic, inner sphere and became warriors, nuns, or poets—several even ascended to the pinnacle of political power and became rulers. We explore several themes: normative gender roles, challenges to and defiance of these normative roles, the homosexual tradition, and changes in gender roles and expectations in modern and contemporary Asia.

EUH2957: Core Abroad: Landmarks of

Western Civilization

6

Prerequisites: None required. Core I and II suggested. Drawing from Core I and II (Paleolithic-Twentieth Century), this course offers students an opportunity to study major cultural landmarks in at least two European countries each year.

EUH3013: Greek and Roman Myth

3

This course will provide an introduction to the Classical myths by reading works translated from the Greek and Latin originals. The class will compare the myths with myth traditions in other cultures; explore the myths in relation to the religion, art, history and philosophy of ancient Greece and Rome; and, by using the insights of comparative anthropology and psychoanalysis, attempt to illuminate the underlying structure and significance of the ancient myths.

EUH3120: Medieval Europe

3

Traces development in government and society from the collapse

of the Roman Empire in the West through the revolutionary High Middle Ages to the violence of the 14th century.

EUH3124: The Crusades **3**

The course examines the deep roots of the crusading movement in Western Christian society, the ways in which the crusades brought three world cultures (the West, Byzantium, Islam) into contact and confrontation, the type of cultural interaction that took place, and the continued vitality of the crusading idea in the expansion of Western Europe.

EUH3142: Renaissance-Reformation **3**

From 1300 to 1600, European society experienced profound changes in its political, religious, social and economic way of life, changes rooted in new views of the world.

EUH3205: 19th Century Europe **3**

An examination of European history from the French Revolution to the First World War, focusing on the dynamics of change in European politics, society, thought and culture.

EUH3206: 20th Century Europe **3**

An examination of Europe from the Russian Revolution to the present, analyzing the development of contemporary European politics, society and thought.

EUH3241: The Holocaust **3**

This course examines the major causes, issues phases, and legacies of the Holocaust - Nazi Germany's organized and systematic destruction of European Jewry and various other non-Jewish groups from 1933 to 1945. Topics include debates among historians about the planners and perpetrators, collaborators and accomplices, victims, bystanders, rescuers, victims and survivors, and those who continue to bear witness.

EUH3312: History of Spain **3**

This course is a survey of Spanish history from the Moorish

invasions of the eighth century to the end of the Spanish Civil War in the 1930s. Topics will include the Christian reconquest of the peninsula, the expulsion of the Moors and the Jews, the conquest and colonization of the Americas, the Black Legend, and Spain's economic crisis of the seventeenth century. However, particular attention will be given to two topics: the nature of the Spanish Inquisition and the history of the Spanish Civil War.

EUH3320: Eastern Europe

3

This course examines the major events, ideas, and issues which have shaped the history and culture of Eastern Europe from 1700 to the present. Topics include the impact of the Habsburg and Ottoman Empires, the growth of national movements and nation-states, the influence of Europe's great powers, and the transformations caused by war, revolution, nationalism, communism, social and ethnic conflict, and democratization.

EUH3403: (FC) Ancient Greece

3

This course provides a comprehensive examination of the culture of ancient Greece from Mycenaen times to the death of Alexander the Great. An historical approach will be supplemented by analysis of Greek literature, art, and thought.

EUH3411: (FC) Ancient Rome

3

This course examines the culture of ancient Rome from the days of the early kings to the collapse of the Roman empire. An historical approach will be supplemented by analysis of Roman literature, art, and thought.

EUH3451: France Since 1789

3

Examines political, social, economic, and cultural aspects of French history since the Revolution.

EUH3453: The French Revolution and Napoleon

3

Description: This course will focus on the history of the French Revolution and its legacy worldwide. It will revolve around three

questions fundamental to scholarship on the topic: (1) What were the origins of the French Revolution? (2) Why did the Revolution turn radical (or Why the Terror)? and (3) Should Napoleon Bonaparte be considered a part of the Revolution or the author of the Revolution's demise? By following these questions, we will come to an understanding of the Revolution's main actors, events, and institutions as well as the most important trends in scholarship on the subject.

EUH3462: Modern Germany

3

A history of modern Germany from 1815 to the present, concentrating on the period from unification under Bismarck to present-day Germany. Offered in alternate years.

EUH3465: Nazi Germany: Power, Society, and War in Hitler's Reich

3

This course traces the history of Nazi Germany from the rise of Hitler in the 1920s, to the end of the Third Reich in 1945. We also consider major themes such as European anti-Semitism, the personality of Hitler, every day life in the Third Reich, resistance, war, and the Holocaust.

EUH3466: (FC) Germany Today

3

An examination of social, political, and cultural trends in Germany since World War II. Emphasis is on German democracy, the economic rebuilding, the burden of the Nazi past, national identity, the role of intellectuals, and Germany's relationship to Europe and America. Special attention is given to developments since the 1990 unification.

EUH3511: Tudor-Stuart England, 1485-1714

3

The era of the Tudors and Stuarts, including such momentous events as the establishment of the Anglican Church, overseas colonization, the Puritan rebellion and the Glorious Revolution.

EUH3575: Imperial Russia

3

This course examines Imperial Russia from the time of Peter the Great to the 1905 revolution. It will focus on Russian political,

social, economic, and cultural developments.

EUH3576: Russia Since 1905

3

This course examines Russia from the 1905 revolution to the present, analyzing the development of contemporary Russian politics, society, and culture. Emphasis is on the major figures, ideas, issues, events, and institutions which have shaped Russia since the late tsarist era. Topics include war, revolution, civil war, communism, nationalism, collapse of empire, and democratization.

EUH3580: (CD)(FC) Russian Thought and Culture

3

This course is a survey of religion, art, literature, and other aspects of Russian thought and culture. Topics include religious and artistic expression in medieval Russia; secular transformation launched by Peter the Great and his imperial heirs; social commentary and dissent in literature; revolutions in art, society and politics; and legacies of the Stalin and Gorbachev eras for understanding contemporary Russian civilization.

EUH3581: Russia in Asia

3

This course examines Russia's historical and cultural interactions with Siberia, Central Asia, and Transcaucasia from the 16th century to the present. Topics include the conquest and colonization of imperial borderlands, the variety of relationships between European Russia and Asian frontiers, and contemporary developments in the Asian regions of the former USSR.

EUH3932: Selected Topics: European History

3

This course will present selected topics in European history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

EUH4103: From Homer to Herodotus: Greece in the Archaic Age

3

Prerequisite: HIS 3051 Craft of the Historian or permission of instructor. The archaic Age of Greece (8th to 5th centuries BCE) began with the epic poetry of Homer and ended with the first work of Greek history, by Herodotus. This course will explore the forces that shaped Greek society: the formation of the polis, the introduction of the alphabet, the spread of Greek settlements along the shores of the Mediterranean and Black Seas, the development of Greek art, architecture, poetry and philosophy, and the rise of democracy in Athens. It will investigate the intellectual climate that gave birth to the discipline of history in Greece as a way of understanding the past and the present.

EUH4294: Seminar: Modern Europe **3**

Prerequisite: HIS 3051 or permission of instructor. An investigation of a specific era or topic in European history since the French Revolution. Topics vary. May be repeated up to a total of 6 credits with consent of instructor.

EUH4404: The Peloponnesian War **3**

Prerequisite: HIS 3051 or permission of instructor. This seminar will examine the causes, strategies, events, and personalities of one of the greatest conflicts of the ancient world. Students will study Thucydides' history and other ancient Greek sources (in translation) to come to an understanding of the war and the methodology of the ancient historian.

EUH4408: Alexander the Great **3**

Prerequisites: HIS 3051 or permission of instructor Alexander III, king of Macedon (336-323 BCE), led an army of Macedonians and Greeks on a campaign to conquer the Persian Empire. By the time he died of disease and exhaustion, he had brought much of the known world under his control. This course will trace the life of Alexander, starting with the career of his father Philip, a powerful king and conqueror of the Greek city-states. We will study the impact of Alexander's conquests on the world and examine the ancient sources that preserve the record of his achievements. We will attempt to understand the man himself and to place him against the background of the social and political forces which transformed the ancient world.

EUH4932: Seminar: Ancient/Medieval**History****3**

Prerequisite: HIS 3051 or permission of instructor. This course is a seminar in ancient or medieval European history. The topic will vary with the instructor. The course may be repeated up to 5 times for a total of 15 credit hours under different topics.

HIS3051: (GW) The Craft of the Historian**3**

Introduces students to the skills, approaches, and theories used by historians; includes both discussion and practice of the craft of the historian. Gordon Rule Additional Writing credit.

HIS3307: Modern War**3**

An examination of the role and nature of the military in the modern world, with emphasis on the 20th century forms of total war and guerrilla warfare.

HIS3402: Urban Environmental History and Sustainability**3**

Description: This course examines the historical relationship between cities and nature, from the early 1800s to the present time. Focusing on Europe and North America over the last two hundred years, we study: (1) how industrial era cities changed their surroundings, leading to smoky skies, polluted canals, unsanitary housing, and shortages of water; (2) how different social and political groups have thought about and tried to improve the urban environment, building water and sewer systems, establishing park space, planting sustainable gardens, and creating sustainable energy, water, waste, and transportation systems; and 3), the ways that different groups have experienced pollution and urban blight, depending upon issues of race, class, and gender. We will explore these themes through lectures, discussions, readings, films, written assignments and field trips.

HIS3490: History of Medicine and Disease**3**

The development of the modern medical and allied health professions, with special reference to the U.S. from the late 18th

through the 20th century; social, scientific, and historical factors that determine the nature, extent and definition of disease.

HIS3932: Selected Topics:History **3**

May be repeated for a total of 18 credits under different topics.

HIS4906: Directed Individual Study **v. 1-4**

Prerequisite: Written consent of the instructor. May be repeated for a total of 6 credits under different topics.

HIS4936: Seminars **3**

Prerequisite: HIS 3051 or permission of instructor. May be repeated for a total of 15 credits under different topics.

HIS4940: Internship in History **3**

Prerequisite: History major or minor, 3.0 GPA, junior or senior standing, and permission of the department chair are required. Provides a supervised work experience in an area historical, archaeological or cultural organization. Students must work at least 160 hours per semester. May be repeated for up to 6 credits.

HIS4970: (GW) Senior Honors Thesis **v. 3-6**

Prerequisite: Acceptance to the Honors in the Major track in history. Research and Honors thesis writing under supervision of a department committee. May be repeated for a maximum of 6 credits.

IDS4910: Liberal Studies Exposition **v. 3-9**

A major research effort, culminating in a paper, project, or public presentation related to the student's declared major theme. Student must have prior approval for the exposition from the department chairperson. May be repeated up to 9 credits.

LAH3300: (CD)(FC) Latin America **3**

An examination of recent Latin American history. Special emphasis will be placed upon the roles of the church, landowner,

military, middle sector and peasant in the modernizing societies of selected countries.

LAH3424: (FC) Aztecs/Incas/Mayas 3

This course is an introduction to the history of Mesoamerica and the Andes prior to 1492. Special attention will be given to the historical development of the Maya, Aztec and Inca civilizations; however, the course will also emphasize the importance of other peoples and cultures such as the Olmecs, Toltecs, Mochica, Chimu and Muisca. Through a careful examination of archaeological and historical evidence, this course will examine major political, religious, and economic changes in the Americas before the arrival of Europeans.

LAH3736: (FC) Modern Latin American History Through Film 3

This course is designed to introduce students to major thematic issues in Latin American history and their cultural representation through film. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historical issues.

LAH3932: Selected Topics: Latin American History 3

This course will present selected topics in Latin American history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

LAH4932: Seminar: Latin American History 3

Prerequisite: HIS 3051 or permission of instructor. This seminar course will involve students in an intensive study of an aspect of Latin American history. Topics vary with the instructor. The course may be repeated for credit as long as the topic differs, up to a maximum of 3 times.

LIS3340: Digital Archiving and Information Management 3

Description: Archivists, among other information professionals, collect the records of people and organizations in order to provide sources for exploring and interpreting history. These materials come in all kinds of formats, from manuscripts to born-digital files like email. For long-term use, wider access and preservation, we preserve materials digitally. Records may be required for a variety of research purposes, and thus it is crucial that we are attentive to archival and information management. This course provides students with the theoretical knowledge, conceptual frameworks and practical skills required to create, maintain and curate collections of digital information in libraries, archives and records management departments.

Availability: One semester per year

WOH1012: (GW) World History I

3

This course will provide a survey of world history from earliest human prehistory to the later middle ages. It will introduce students to the major civilizations and societies of Europe, Asia, Africa and the Americas. It will trace key developments in political organization, religion, culture and society in the different regions of the world, and will compare those developments in order to provide insight into the fundamental dynamics of human history. The course will also explore the interactions between the different regions, in order to assess the role of intercultural contacts in promoting change in human societies. Gordon Rule additional writing credit.

WOH1022: (GW) World History II

3

This course will provide a survey of world history from the later middle ages to the present. It will introduce students to the major civilizations and societies of Europe, Asia, Africa and the Americas. It will trace key developments in political organization, religion, culture and society in the different regions of the world, and will compare those developments in order to provide insight into the fundamental dynamics of human history. The course will also explore the interactions between the different regions, in order to assess the role of intercultural contacts in promoting change in human societies. Gordon Rule additional writing credit.

Undergraduate Courses

Soc, Anthro, & Social Wk

ANT2000: (CD) Introduction to Anthropology

3

An introduction to the critical issues in anthropology. The major subfields of archaeology, physical anthropology, linguistics, and cultural anthropology are examined for an understanding of contemporary and past cultural issues such as the rise of civilization, origins of language, and the roots of social inequality.

ANT2423: (CD) Kinship and the Family

3

This course introduces students to the study of kinship and gender in an anthropological perspective. Topics covered include, but are not restricted to, gender distinctions, body images, descent, inheritance, courtship, love, marriage, family forms, kin networks, and new reproductive technologies. Students will be presented with detailed case studies both within and outside the Euro-American tradition.

ANT2930: Special Topics in Anthropology

3

Examination of topics of current importance in anthropology. Topics may vary. May be repeated for 6 credits.

ANT3101: Fundamentals of Archaeology

3

Archaeology is one of the four fundamental sub-fields of Anthropology in the United States. This course covers the fundamental analytical methods that have been and are currently employed by archaeologists to reconstruct past life ways, cultures, and societies. In particular, this course will explore the material culture studies and other evidence used by archaeologists. Topics of inquiry include excavation procedures, sites survey, dating techniques, site formation processes, paleo-environmental reconstruction, artifact analysis, and key laboratory techniques. Additionally, the course will cover the history of archaeological legislation and regulations that apply to public archaeology, ethical principles of archaeological practice, and the basics of curation

and museumology. Finally throughout the semester, we will explore the importance and relevance of archaeology to the modern world.

**ANT3212: (CD)(FC) Peoples and Cultures
of the World**

3

This course uses a comparative approach to investigate common bonds of culture and the ways in which Homo sapiens elaborate cultural differences. This course uses cross-cultural evidence to investigate some of the fundamental cultural building blocks of kinship, subsistence technology, and political behavior.

**ANT3243: (FC) Comparative Muslim
Cultures**

3

This course concerns popular or local "Islams" throughout the world. This course will take an anthropological perspective and will use Muslim examples to explore the theoretical and methodological issues involved in the study of religion. We will also employ a variety of approaches to the study of religion to help the student understand a variety of social and cultural phenomena including religious education, the construction of gender identities, revitalization movements, fundamentalism, and religion and politics. The anthropological approach to Islam is clearly distinct from a theological or philological one. In other words, we will concentrate more on the culture and practice of contemporary Muslims than on Islam's sacred texts. We are particularly interested in the cross-currents that are found in otherwise diverse societies.

**ANT3311: FC - Indians of the Southeastern
U. S.**

3

This course investigates the indigenous populations of the Southeastern United States. Material covered ranges from the prehistoric record to European Contact to the historic transformation and/or destruction of these groups. This class covers a broad range of topics and native groups.

ANT3312: (CD)(FC) North American Indians

3

This course examines selected Indian groups from a holistic perspective and compares different cultural complexes. Particular attention will be given to religion, world view, kinship, politics and economic subsistence patterns. A study of aboriginal Indian cultures will be used as a basis for comparison with current American cultures.

ANT3355: The African Diaspora

3

This course offers an overview of anthropological perspectives on the history and contemporary dynamics of the peoples and cultures of the African Diaspora. We will explore the sociocultural, political, and economic experiences of Africans "outside Africa" within the broader context of a changing global order in which diverse socially negotiated forms of identity are lived and expressed in culturally specific ways. Topics include but are not limited to identity, politics, economics, religion, resistance and revolution, music, art, and dance. Students will be exposed to a wide range of interdisciplinary literature and research designed to foster an appreciation for the diversity of the African Diaspora.

ANT3414: Principles of Socio Cultural

Anthropology

3

Description: This course introduces students to the study of sociocultural anthropology, one of the subfields of general anthropology. It presents students with the interpretive frameworks and concepts needed to understand the impact of groups and their cultures upon the individual. This course aims to show the ways in which local and global cultural processes intersect and questions understandings of culture as homogeneous and discrete. This course also gives examples of some of the ways in which anthropology can be used to address some of humanity's problems such as racism, sexism, growing economic inequality, development, globalization, displacement, and environmental troubles. Finally, this course aims to present anthropology as a discipline that by embracing a bottom-up perspective contributes to enhance self-understanding and dialogue across culturally and socially diverse publics.

ANT3462: Health, Illness and Culture

3

Description: This course introduces students to medical anthropological perspectives that are useful in understanding the implications of social and cultural diversity as they relate to health and healing. This course addresses a variety of challenging issues related to the application of medical anthropological theories and methods. As the world becomes increasingly composite, cross-cultural perspectives are critical to understanding the complexities of human diversity in the contemporary world. This course offers tools for studying phenomena affecting human health and healing

ANT3514: Principles of Physical Anthropology

3

Physical Anthropology is the study of humans as biological beings in a cultural setting. This class introduces students to the key concepts, fossil discoveries, and underlying theories that define the field. The course looks at Homo sapiens from our biological variation to our evolutionary development. Topics include: Primates - Evolution and Behavior, Paleoanthropology and Hominid Evidence, Human Osteology and Forensic Anthropology.

ANT3610: Linguistic Anthropology

3

This course uses the concepts and techniques of modern linguistics to analyze and describe the phonology, morphology, syntax, and semantics of human languages. The course focuses on languages other than English. Further issues of language in its social and cultural context are explored in the course Language, Culture, and Society.

ANT3933: Seminar in Anthropology

3

This course will prepare anthropology students for advanced coursework in the anthropological discipline. The course provides an opportunity for students to reflect upon the nature of anthropological inquiry and the variety of data anthropologists use to aid in that inquiry. Students will develop an understanding of the multitude of methodologies and techniques employed by anthropologists and how anthropological theories and models articulate with research questions. They will also be exposed to examples of applications of anthropology to concrete social problems. The course will help anthropology majors develop these

skills and dispositions necessary to succeed as anthropology majors and to begin planning their future careers.

ANT4025: The Anthropology of Death

3

This course explores the anthropological perspective on the cultural, social, and biological nature of human death. Examples of topics that will be covered include: biological definitions of death, decomposition as it relates to funeral practices, global patterns of mortuary rituals and funerary behavior, the cultural construction of death, the effects of death on the social fabric, and cultural and social facets of mourning and bereavement. Throughout the course, students will examine the variety of social and cultural responses to the biological fact of death. In doing so, they will be exposed to the Anthropological literature that seeks to explain or interpret the tremendous variety of human behavior surrounding death and dying. The course will be cross-cultural, holistic, and bio-cultural in its outlook and will require students to make conceptual connections between theoretical literature and empirical observations.

ANT4034: Survey of Anthropological

Theories

3

This class examines the historical development of anthropological theories and methodologies. Students will read and discuss seminal works in sociocultural anthropology.

ANT4083: Quantitative Methods in

Anthropology

3

This course is structured to provide students with the analytic background necessary to conduct and evaluate quantitative research in anthropology. The major foci for the class will be on: unit construction and data collection protocols; the statistical tools necessary to conduct analysis of data sets; the design of scientifically valid research projects; and the graphical display of quantitative data. Examples from all four fields of anthropology will be presented in order to provide a broad empirical perspective. Additionally, this course will cover issues relating to research design, sampling, and institutional review board policy.

ANT4115: Archaeological Research

Strategies

3

This course is an intensive survey of archaeological theory and research methods. It is intended for students interested in anthropology and the practice of archaeology. The course is designed as a seminar emphasizing discussions of weekly readings and student papers. This is not a hands-on lab or fieldwork course, but rather, we focus on the theoretical underpinnings of archaeology and the scientific method.

ANT4158: Florida Archaeology

3

Description: Through archaeology, this course traces the development and diversification of Florida's rich Native American cultural heritage over the past 14,000 years. It covers the lengthy time span from the initial colonization of Florida by paleoindians through the various hunting-gathering and farming cultures of the state to the arrival of European explorers and colonists in the sixteenth century. Students discover the cultures, interactions and social relations, technologies, arts, and significant contributions of Native peoples throughout precolumbian Florida.

ANT4180: Archaeological Lab Methods

3

Description: This course introduces students to the concepts and techniques of archaeological laboratory methods. Through this course, students gain hands-on experience and learn how to properly catalogue and analyze a range of archaeological materials, including stone, bone, shell, and ceramics. The course stresses qualitative and quantitative methods and the integration among laboratory analysis, fieldwork, research design, and archaeological interpretation.

ANT4241: Anthropology of Religion

3

The cultural conceptions of supernatural reality with an emphasis upon comparative understanding of myth and ritual, the religious experiences and revitalization movements.

ANT4352: (FC) Peoples and Cultures of

Africa

3

This course is a survey of selected peoples and cultures of Africa. Topics covered include a reflection on cultural images of Africa in the West, basic information about the geography and history of Africa, and the study of specific African socio-cultural institutions such as political economy, religion, kinship, gender, art, and aesthetics.

ANT4444: Cities and Globalization

3

This class introduces students to the study of urban life and the effects of globalization upon it in a variety of political and historical contexts. It focuses on cities and tumultuous sites in which new political, economic, and social identities are forged. Topics include but are not limited to global cities, transnational labor, diasporic communities, immigration citizenship, and cosmopolitanism. Students will be exposed and familiarize themselves with some of the qualitative research techniques used in urban anthropology such as participant observation, formal and informal interviews, the collection of life histories, and textual analysis.

ANT4497: Ethnographic Methods

3

This course is designed to introduce students in cross-cultural qualitative research. Students will gain the skills to critically evaluate and to conduct qualitative research. They will learn how to carry out research on their own and in a group setting. Students will gain an understanding of the relationship between data collection and theory. They will learn how to select an object of anthropological enquiry, which methodology to use, how to address ethical issues in field research, and the basics of research design and data analysis.

ANT4620: Language, Culture, and Society

3

Prerequisites: LIN 3010 or equivalent, or permission of instructor. This course uses the concepts and techniques of contemporary linguistics to analyze, describe, and explain the relationships between language, culture and society.

ANT4821: Archaeological Field Methods

v. 3-6

Description: This course is a summer archaeological field school. This 6-week field practicum offers an extraordinary opportunity to gain hands-on experience in archaeological fieldwork. Its objectives are to allow students to develop a better understanding of how archaeology is practiced and to explore how people in the past lived and interacted with their natural and cultural worlds. Students will learn basic field techniques, including survey shovel testing, unit and block excavation, mapping, record keeping, and the use of survey/mapping equipment.

Repeatability: This course is repeatable up to a total of nine credits.

ANT4905: Directed Independent Study in Anthropology **3**

Students pursue under faculty supervision a research topic of the student's own choice. May be repeated for 12 credits under different topics.

ANT4931: Selected Topics in Cultural Anthropology **v. 3-6**

Description: Study of relevant issues in cultural anthropology.

Repeatability: May be repeated for 12 credits under different topics.

ANT4970: Honors Thesis in Anthropology **v. 3-6**

Prerequisite: Acceptance to the Honors in the Major in Anthropology and permission of instructor. This course provides Anthropology Honors students with the opportunity to work with one or more Anthropology faculty on an advanced thesis/research project. This course leads to completing an Honors Thesis and fulfills part of the requirements for graduating with the designation of Honors in Anthropology. Course can be repeated once up to a maximum of 6 credit hours.

SOW2031: Introduction to Social Welfare and Social Work **3**

Description: This survey course provides an introduction to our nation's social welfare service system and the social work profession. Students will have an opportunity to learn about the history, values, ethics, methods, and practice settings of social work as well as the role social workers and social welfare policies and programs play in promoting social and economic justice for marginalized and oppressed populations.

SOW3203: Social Welfare Institutions

3

Description: This course will examine the historical development and contemporary administration of major American social welfare policies and programs and critically analyze the political, economic, and social impact of those policies and programs on diverse and vulnerable populations. Students will learn how social welfare policy impacts social work practice as well as how social workers engage in policy practice to advance social and economic justice.

SOW3213: Social Welfare Policy

3

Description: This course provides a historical overview and critical analysis of American social welfare institutions, policies, and programs. In particular, this course will examine the nature and evolution of major social welfare policies in the United States as well as the political, economic, and social impact of those policies on diverse populations. Students will be introduced to the basics of policy analysis and program evaluation.

SOW3293: Social Work Communication

3

Description: This is a skills-based course in which students will have the opportunity to develop and refine communication skills critical to effective and ethical social work practice with diverse client systems. Mastery of course content will provide students with fundamental social work communication skills, including interviewing and listening, corresponding with clients and colleagues, documenting service provision, and writing reports.

SOW3403: Social Work Research Methods

3

Description: This course examines quantitative and qualitative research methods in an effort to equip students with the knowledge, ethics, and skills to utilize research to inform social work practice. Mastery of course content will enable students to appraise research literature on social work interventions; to distinguish and critique the utility of research design, sampling, and measurement strategies to evaluate social work services; to protect the dignity and rights of human subjects; and, to evaluate social work practice as well as engage in career-long learning.

SOW3620: Social Work with Diverse

Groups

3

Description: This course examines forces leading to individual prejudice and institutional oppression. The course will also explore issues of power, inequality, privilege, and resulting oppression. Students will learn about diverse groups in the community and reflect on working with such groups in social work practice. Mastery of course content will provide students with an understanding of and appreciation for diversity in self and others as well as a general knowledge of social work strategies to alleviate oppression.

SOW4101: Human Behavior and the Social

Environment I

3

Description: This course provides an introduction to the social work view of the person in environment as well as an overview of theories of human development across the lifespan. Special emphasis will be given to the interactions between the person and family with systems of all sizes including groups, societies, and economic systems. The basic domains of system interaction (biological, psychological, social, cultural, spiritual, and identity) will be discussed especially as they relate to oppressed and at-risk populations.

SOW4102: Human Behavior and the Social

Environment II

3

Description: This course provides students with theoretical knowledge of human behavior and the social environment in preparation for social work practice with diverse client systems at the mezzo and macro levels. Utilizing an empowerment perspective and systems framework, this course examines theories and knowledge of human behavior in the contexts of groups, organizations, and communities.

SOW4122: Inside the Asylum

3

Description: Inside the Asylum engages students in a critical examination of the history of American psychiatry. Students have an opportunity to explore the evolution of existing theories of the etiology of mental illness, the sociopolitical economy of psychiatry, the rationalization of involuntary hospitalization and treatment, and the development and utilization of common treatment modalities. Students also have an opportunity to learn about the consumer/survivor and deinstitutionalization movements as well as contemporary psychiatry's growing reliance on psychopharmacological interventions. Particular emphasis is placed upon understanding the human rights abuses endured by individuals labeled as mentally ill and the social, political, and economic forces that negatively impact this disenfranchised group. This course will be of most interest and relevance to students who wish to work in mental health or human services.

SOW4302: Social Work with Individuals and Families

3

Prerequisite: SOW 3203

Description: This course provides a foundation in generalist social work knowledge and skills for practice at the micro-level with individuals and families with special emphasis given to oppressed and at-risk populations. Students will develop interpersonal communication, assessment, and service planning skills. Special attention will be paid to the influence of personal values and biases as they relate to ethical social work practice. Strategies for the resolution of ethical dilemmas and culturally competent practice will be introduced and reinforced.

SOW4322: Social Work with Organizations and Communities

3

Prerequisite: SOW 3203

Description: This course provides a foundation in social work knowledge, skills, and values for generalist practice with diverse client systems at the mezzo- and macro-levels in evolving organizational, community, and societal contexts. The role of social workers in advancing human rights and social and economic justice will be examined.

SOW4323: Social Work Practice with Groups

3

Description: This course focuses on the development of generalist practice skills for use in various group settings. Students will learn practice skills that contribute to group effectiveness in psycho-educational, socialization or support groups. These include group composition, structure, dynamics, goal setting, and evaluation. The course also examines the empirical bases for theories and models for generalist group practice.

SOW4352: Principles of Social Service Provision

3

Prerequisite: SOW 3203

Description: This course is designed to provide students with a generalist foundation in the knowledge and skills necessary to provide case management and referral services to diverse populations in a variety of social services settings. Students will have an opportunity to develop interpersonal communication, networking, problem-solving, and ethical decision-making skills. Students will be required to engage in self-reflection regarding personal characteristics and biases and to think critically about controversial issues within the contemporary social service delivery system.

SOW4511: Field Education I

3

Prerequisite: SOW 3203, SOW 3293, SOW 3403, SOW 4XXX, SOW 4101, SOW 4102, and SOW 4322

Co-requisite: SOW 4522

Description: Field experience is integral to the education and professional socialization of social work students, providing a structured and supervised environment in which students may apply theoretical knowledge, test and refine practice skills, and adopt professional behaviors. Field Education I, the first of two consecutive courses, allows students to apply the generalist knowledge and skills acquired through academic courses to social work practice with a specific client system in a social services setting.

SOW4512: Field Education II

3

Prerequisite: SOW 4511

Co-requisite: SOW 4523

Description: Field experience is integral to the education and professional socialization of social work students, providing a structured and supervised environment in which students may apply theoretical knowledge, test and refine practice skills, and adopt professional behaviors. Field Education II, the second of two consecutive courses, allows students to apply the generalist knowledge and skills acquired through academic courses to social work practice with a specific client system in a social services setting.

SOW4522: Field Seminar I

3

Co-requisite: SOW 4511

Description: Throughout the Field Seminar I, students will engage in a process of self-assessment, examining personal values and biases as they impact interactions with clients and co-workers. Students will apply critical thinking and problem solving skills to experiences and ethical dilemmas encountered in the practice setting. The fieldwork experience allows students to apply the generalist knowledge and skills acquired through academic courses to work with diverse client populations to bring about planned change. Tools for addressing burnout and compassion fatigue will be examined. Students will also engage in strategies to mitigate the emotional turmoil that often accompanies beginning social work with micro and mezzo client systems through the use of professional supervision and self-reflection exercises.

SOW4523: Field Seminar II

3

Prerequisite: SOW 4522

Co-requisite: SOW 4512

Description: Throughout the Field Seminar II, students will continue to engage in a process of self-assessment, examining personal values and biases as they impact interactions with clients and co-workers. Students will apply critical thinking and problem solving skills to experiences and ethical dilemmas encountered in the practice setting. The fieldwork experience allows students to apply the generalist knowledge and skills acquired through academic courses to work with diverse client populations to bring about planned change. Special emphasis will be given to the planned change process on a macro level with organizations, communities and social welfare policy.

SOW4602: Social Work in Health Care

3

Description: This course prepares students with knowledge for practice within a broad array of health care settings. The content of the course will include an overview of the history of health care in the United States as well as current and emerging theory, practice, and research specific to social work practice in health care settings as they effect diverse client populations. Students will be expected to consider their roles as transdisciplinary team members and facilitators of health and well-being with individuals, families, groups, communities and organizations. The biopsychosocial-spiritual model, strengths perspective, and an emphasis on diversity and cultural competence will be infused throughout the course as students explore practice with clients experiencing challenges related to adapting to illness while navigating the ever-changing landscape of the healthcare system in the United States.

SOW4651: Child Abuse and Neglect

3

Description: This course provides students with knowledge and skills related to the theory, research, and implications of child and adolescent maltreatment for child development and well-being. Course content is presented within the context of child welfare practice and social work with children and adolescents in public agencies and programs. Issues related to children, families, and

communities are covered and attention is given to working with vulnerable populations. Particular attention will be given to federal and state child welfare statutes and the range of services provided by the Department of Children and Families and other child welfare agencies.

SOW4700: Substance Abuse and Social

Work Practice

3

Description: This course provides an overview of addiction and substance abuse as it relates directly or indirectly to human behavior in the social environment. This course will analyze and evaluate specific treatment approaches and assessment tools for addiction treatment in the context of different client systems including child welfare, corrections, and military/veteran populations. This course will survey the impact and influence of substance abuse on individuals, family members, children and society as a whole. Special emphasis will be given to the role of the social worker in confronting substance abuse in traditional, generalist social work practice settings.

SOW4724: Child Welfare Practice

3

Prerequisite: SOW4651

Description: This course provides a framework of values, knowledge and skills necessary to practice with vulnerable children and their families. The major focus is on social work in public child welfare in the State of Florida. The course utilizes an ecosystem perspective for understanding and assessing the special needs of at-risk children and families. Specific attention is on assessing families and children using the State of Florida's Safety Decision Making Method and other family assessment instruments.

SOW4794: Social Work with Immigrants and Refugees

3

Description: This course examines pre-migration, migration, and post-migration influences and experiences of immigrants and refugees. The course will also explore the political, social, economic, and environmental context of life in the United States.

Students will learn about strengths and challenges that contribute to the wellbeing of migrants and reflect on working with such groups in social work practice. Mastery of course content will provide students with an understanding of and appreciation for diversity in self and others as well as a general knowledge of social work strategies to work with immigrants and refugees.

SOW4905: Directed Independent Study - Social Work

v. 3-6

Description: This course covers selected topics through independent study under the guidance, direction and examination of a faculty member specializing in the particular area chosen by the student.

Repeatability: May be repeated for a total of 6 credits.

SOW4930: Special Topics in Social Welfare **3**

This course will explore topics related to social welfare policy, practice, and research. The course may be repeated for a total of 9 credits under different topics.

SOW4944: Child Welfare Practicum **3**

Prerequisite: SOW4651

Co-requisite: SOW4724

Description: This supervised practicum will allow students to apply the knowledge and skills acquired in academic courses to practice with diverse children and families in a public child welfare setting. Students will apply critical thinking and problem-solving skills to experiences and ethical dilemmas encountered in the practice setting. Students will also engage in a process of self-assessment, examining personal values and biases as they impact interactions with clients and co-workers.

SYA3300: Sociological Research Methods **3**

Prerequisite: STA 2014 or equivalent. This course is a general introduction to research methods in the social sciences, with emphasis on theory, measurement, research design, data collection and the ethics of research.

SYA3310: Qualitative Research Methods **3**

Prerequisite: SYA 3300. This course provides an overview of qualitative methods used in sociological research, including participant observation, interviews and archival research. Students will read exemplary studies, practice methods first hand, and learn how to use qualitative data to support an argument. Throughout the course we will discuss standards of ethical research.

SYA3450C: Social Science Data Analysis **3**

Prerequisite: SYA 3300. This course introduces students to quantitative analysis of social scientific data. The course is designed to teach students how to manage, apply, interpret, and compute quantitative data from both primary and secondary sources. The course will involve substantial usage of computerized analytical techniques.

SYA4010: Sociological Theory **3**

Prerequisite: SYG 2000 or SYG 2013, six hours of upper-division courses with prefixes SYA, SYD, SYG, SYO, SYP A critical study of the development of sociological thought and theory, surveying the major conceptual, theoretical and methodological orientations from Auguste Comte to the present.

SYA4654: Sociological Approaches to Program Evaluation **3**

Prerequisite: SYA 3300 or SOW 3404

Description: Program Evaluations are often required by government and private agencies to assess program processes and outcomes and used in decisions concerning whether programs should be continued, improved, expanded, or eliminated. In this class, we will explore the history of the program evaluation "movement" and the intersection of Evaluation Research and Applied Social Science. The course provides a framework through which the skill set developed in the basic research methods classes can be used to evaluate social programs in a variety of agencies, institutions and settings. Students will become familiar with a number of techniques and theoretical foundations utilized in Evaluation/Applied Sociology

and provide hands-on experience working on an Evaluation/Applied Sociology project.

SYA4905: Directed Individual Study

v. 2-6

Prerequisite: Ten hours of sociology. Selected topics for independent study under the guidance, direction and examination of a faculty member specializing in the particular area chosen by the student. May be repeated a total of 6 credits under different topics.

SYA4914: Sociological Research

Experience

v. 2-6

Prerequisite: SYA 3300

Description: This course provides advanced undergraduate students the opportunity to work with faculty on an active research project. Students will complete research tasks as assigned by their faculty mentor using skills developed in the sociology curriculum.

Repeatability: This course may be repeated for up to 6 credits.

SYA4930: Special Topics in Sociology

v. 2-5

Exploration of topics of current importance in the field of social problems, social organization or the discipline of sociology. May be initiated by one or more faculty members or by students, in consultation with department chairperson. May be repeated a total of 15 credits under different topics.

SYA4943: Sociology Internship

3

Prerequisite: SYA 3300

Description: The Sociology internship is designed to give students a supervised pre-professional experience applying sociological knowledge and research methods in a community based organizational setting. Students will have the opportunity to identify projects and assess needs with the on-site supervisor, apply sociological skills of critical analysis and problem solving to organizational challenges, and develop their competencies navigating within a bureaucratic workplace setting. The internship experience will also assist students in identifying career paths, improving career skills, and developing a network of career

professionals and mentors.

SYD3020: Social Demography **3**

This course analyzes the social aspects of human populations around the world with particular emphasis on the US population. This course deals with census data, fertility, morality, migration and the diversity of the U.S. population.

SYD3410: Urban Sociology **3**

This course reveals how sociologists understand urban development and the impact of urbanization on social life. Specific topics include the role of power in urban growth, cities as sites of inequality, the provision of public services, and social control in the urban context. Students will also examine contemporary urban social problems.

SYD3700: (CD) Racial and Ethnic Minorities **3**

Description: This is an upper-level survey course provides a historical overview and contemporary analysis of racial/ethnic minorities in American society. Students will examine relevant sociological theories of race and ethnicity, the social construction of race in the United States, and the evolving dynamics of minority group identity and experience. Particular attention is given to the experiences of four key groups: Black/African-Americans, Native Americans, Hispanics/Latinos, and Asian-Americans.

SYD3800: (CD) Gender and Society **3**

This course is designed to explore the social meanings and political implications of gender in society. It will focus on gender as a taken-for-granted but problematic component of our lives, whether we are female or male. Sociologists now recognize that gender is a "social construction" which is open to re-definition and which has profound social implications. The course will explore topics such as: gender and sex role socialization; gender relationships; cross-cultural gender comparisons; and the effects of "the sex-gender system" on areas such as health, family life, religion, employment, crime, education, politics, and social change.

SYD4510: Environment and Society **3**

This course provides a sociological approach to environmental problems. Specifically, the course examines four central issues surrounding environmental problems: (i) the nature, scope, and social consequences of environmental problems; (ii) the human causes of environmental problems; (iii) the human responses to environmental problems; and (iv) an alternative way of thinking about and responding to environmental problems.

SYD4702: Race, Place and Inequality **3**

Description: This course will examine place as a dimension of stratification in the United States. Increasingly, the places where we live shape our life chances: they determine the quality of schools we will attend, our access to economic opportunity, and even the cleanliness of the air we breathe. While all U.S. citizens are ostensibly free to choose their place of residence, we find that in actuality access to place is highly segregated both economically and racially, and that these two facets of stratification intertwine. Understanding the processes that lead to place stratification, and the means by which places produce or reproduce different life chances, is central to understanding inequality in the U.S.

SYG2000: Introduction to Sociology **3**

A study of sociological concepts essential for an understanding of individual, society and social structure. General concepts which integrate the field are considered so that more specialized courses may be understood in context.

**SYG2013: (CD) Sex, Race and Social Class:
A Sociological Examination of Culture and
Diversity** **3**

This class is designed to introduce students to the Sociological study of the issues of Race, Sex, and Social Class. In this class, we will examine a number of issues facing American society today and how these issues are inter-related. Special emphasis will be placed on discussing how those problems are (or are not) dealt with in our society.

SYO3110: Sociology of Sexualities**3**

Description: This course explores the relationship between sexualities and society. This includes how sexualities influence our lives, as well as how they are reflected in social norms, attitudes and beliefs. Sexualities will be analyzed as social and historical constructions, differing across time and space. Questions asked will include: Is there one sexuality or are there multiple sexualities? What are the theoretical approaches to sexuality/sexualities? What do sexuality/sexualities have to do with race, gender and social class? How are sexual identities constructed? Finally, the course will examine how the social construction of sexuality/sexualities influences our relationships, whether or not those relationships are primarily sexual.

SYO3530: Social Stratification**3**

An analysis of the economic, social, political and cultural dimensions of institutionalized social inequality, consequences for American social life and implications for social movements and social change.

SYO4100: Sociology of the Family**3**

A cross-cultural analysis of patterns of courtship, marriage and family life, focusing on the relationship between family and other social institutions and the consequences of these relationships for the individual in a changing industrial social order.

SYO4200: Sociology of Religion**3**

This course is an introduction to the sociology of religion. Students will read major works by leaders in the field, and examine the ways in which religion interfaces with and affects other social institutions. Particular attention will be given to current controversies in the social scientific study of religion.

SYO4300: Political Sociology**3**

A sociological analysis of political institutions viewed as constituent parts of the structure of society and of social processes, with special attention given to contemporary political

movements and ideologies.

SYO4370: Sociology of Work

3

Work is a social phenomenon because it is done with a variety of other people - bosses, co-workers, and subordinates. In addition to examining workplace experiences, this course emphasizes the integration and juxtaposition of work with the rest of people's lives. Students will be introduced to theories and concepts dealing with interactions and relations between and among workers, their employers, and their subordinates.

SYO4400: Health, Illness and Society

3

A critical analysis of the social context of health, illness, patient care and the practice of medicine. Of special interest are such issues as the distribution of health care, restraints and innovations in public policy pertaining to health and community health programs.

SYO4500: Sociology of Organizations

3

Description: The purpose of this course is to introduce students to the major theoretical approaches used to study and understand work and organizations. The course will be interdisciplinary (incorporating insights from sociology, management, psychology, economics, geography, and political science) and multi-level (examining internal organizational dynamics, the relations and interactions among organizations, and the national institutional environment within which organizations and labor operate).

SYP3440: Social Change and International Development

3

This course analyzes social change in an increasingly interdependent world by comparing more developed countries to less developed countries. The course includes introductory information and perspectives on how social processes, relations and institutions within nations are affected by involvement in the modern world system.

SYP3570: Deviance and Social Control 3

A critical analysis of the political and social process involved in the creation, maintenance, treatment and control of deviant behavior and an examination of selected deviant subcultures.

SYP4050: The Sociology of Human Interaction 3

Focus is on contemporary sociological theories attempting to understand in terms of 1) the institutional context affecting the practical accomplishment of routine tasks and procedures in everyday life; and 2) the production of new institutional forms for example, role definitions, conventions, languages, codes.

SYP4351: Social Movements and Social Change 3

An examination of contemporary social movements directed toward the acceptance of new definitions of social roles; the development of alternative priorities, life-styles and conceptions of the individual in relation to social institutions and commitment to basic social change.

SYP4660: Sociology of Culture 3

This course introduces students to the sociological study of culture, including how culture relates to inequality, social organization, and social structure. Students will become familiar with empirical work on the production and uses of cultural goods, as well as classic and contemporary theoretical accounts of the role of culture in social life.

SYP4730: The Sociology of Aging 3

An inter-cultural examination and analysis of 1) changes-in status, rights, roles, and circumstances which appear to come with age, 2) influences-of age-related biological and physiological factors on the individual's performance and behavior in society, and 3) adjustments-both societal and personal, to the events and processes of aging.

Undergraduate Courses

Civil Engineering

CEG3011C: Geotechnical Engineering

4

Prerequisite: CES 3104C, CWR 3201.

Description: This course is an introduction to use of soil as a construction material and analysis techniques for geotechnical applications. Topics include soil formations, mass-volume relationships, soil classification, effective stress, compaction, seepage, soil deformation, state of stress, consolidation, strength, and failure. This course also includes a laboratory component where experiments will be conducted to obtain soil properties for use in geotechnical engineering design. Experiments include grain size distribution and soil classification, Atterberg Limits, compaction, permeability, consolidation, shear strength, and unconfined compressive strength.

Course Fees: \$35

CEG4101: Analysis and Design of Foundation Systems

3

Prerequisite: CEG 3011C

Description: This course provides a comprehensive coverage of the principles for geotechnical analysis and design of shallow and deep foundation systems. Course topics include geotechnical site characterization, bearing capacity, settlement, group effects, and lateral load capacity of the various foundation systems.

CEG4104: Analysis and Design of Earth Retaining Systems

3

Prerequisite: CEG 3011C

Description: This course provides a comprehensive coverage of the principles for geotechnical analysis and design of earth retaining systems. Course topics include earth pressure theories, design of rigid and flexible retaining structures, design of braced and anchored shoring systems, design of reinforced earth walls, and stability analyses for earth slopes.

CEG4302: Applied Engineering Geology

3

Prerequisite: CEG 3011C

Co-requisite: CEG 3011C This course addresses the applications of geological information to engineering problems. Topics covered include soil and rock mechanics, instrumentation, geological hazards, field testing, coring and classification of geological materials, and probability and statistics as applied to geological materials.

CES3100: Analysis of Structures

3

Prerequisite: CES 3104C

Description: This course will investigate types of loads on structures, truss analysis, shear and bending moment diagrams, influence lines, and design envelopes. In addition, deformation of beams, frames, and trusses is covered. The course also includes an introduction to the analysis of indeterminate structures using consistent deformation, slope deflection, and moment distribution methods. Computer and matrix methods are briefly introduced and discussed.

CES3104: Mechanics of Materials

3

Prerequisite: ENG 3311

Description: The concept of stress and strain is covered and includes topics such as normal stress and strain, Hooke's Law, and stress transformation Mohr's Circle. Deformations in axially loaded members are included with some focus on statically indeterminate members. Shafts subjected to torsion and flexural members are covered. Shear and Bending Moment diagrams are emphasized with an introduction to member design. Deflection of beams and columns buckling are introduced.

CES3605: Design Of Steel Structures

3

Prerequisite: CES 3100

Description: Concepts of structural design are introduced. The topics cover: philosophies of design and the LRFD method, structural steel systems, structural design loads, design of tension members, design of bolted and welded connection, design of columns, design of beams, and finally design of beam columns. The AISC steel design manual is used in all design problems.

Computer aided design is included utilizing commercially available packages.

CES4102: Matrix Structural Analysis **3**

Prerequisite: CES 3100 This course covers the theory and application of traditional structural analysis for trusses, beams, frames, cables, and arches as either determinate or indeterminate systems. Topics covered will include matrix methods including the direct stiffness method, and flexibility and stiffness method with introduction to computer-based techniques.

CES4321: Introduction to Bridge Engineering **3**

Prerequisite: CES 4702C This course covers the design of structural systems for bridges using the AASHTO LRFD design methodology. Topics covered will include analysis by influence lines, design of slab, beam-slab, and existing bridges.

CES4702C: Design of Reinforced Concrete **3**

Prerequisite: CES 3100 and CGN 3501C

Description: Structural concrete and its behavior are introduced. Current ACI Code provisions for structural design are utilized in learning how to design reinforced concrete structural members. The failure theories for beams, columns, slabs are introduced. Topics include the design of rectangular and T beams, design of columns and utilizing interaction diagrams, design of one-way slabs, and finally the design of spread and combined footings. Hands-on laboratory exercises are also included to investigate concrete structural components.

Course Fees: \$30

CES4711: Prestressed Concrete **3**

Prerequisite: CES 4702C

Co-requisite: CES 4702C

Description: This course covers prestressed concrete behavior and design for applications in building and bridge design. Topics covered will include the design of pre and post tensioned girders, floors, roofs, and walls.

CGN3322C: Civil Engineering Geomatics **4**

Prerequisite: MAC2311

Description: This course introduces the use of modern surveying instruments and methods commonly employed by Civil Engineers. Topics covered include: distance measurement, angle measurement, traverse and topographic surveys, route surveying, construction surveying, land surveys, mapping, Global Positioning Systems (GPS), and preparation and submittal of survey documents. In addition, this course exposes students to the state of art computer aided design (CAD) tools used in civil engineering practice. The applications of Geographical Information Systems (GIS) in Civil Engineering will also be covered in this course.

Course Fees: \$30

CGN3501C: Civil Engineering Materials **4**

Prerequisite: EGN 3311

Description: This course is an introduction to the behaviors, properties, and testing of commonly used civil engineering materials such as aggregates, Portland cement, concrete, asphalt cement concrete, masonry, steel, and timber. The laboratory portion of the course will focus on characterization of materials for Portland cement concrete mix design, and testing of both fresh and hardened concrete.

Course Fees: \$30

CGN4151: Engineering Management **3**

Description: This course provides an overview of project organization, team formations, and operations involving matrix teams (as well as other formulations) and an overview of the project life cycle. Project planning, scheduling, and control are also discussed as well as economic decisions involving projects such as capital budgeting, risk analysis, and replacement decisions. Students make oral and written presentations. Permission of the instructor is required in order to enroll in this course.

CGN4430: Risk Assessment **3**

Prerequisite: STA 3032 and PHY 2048

Description: This course will provide risk analysis and quantification for design and engineering. The course will introduce important concepts such as: probability concepts and distributions, hypothesis testing, extremes, sampling and resampling of methodology, uncertainties, hazards in the environment, complexity and sustainability, tectonics, storms, flooding, droughts, environmental hazards, and risk applications.

CGN4803: Senior Capstone Design I **2**

Prerequisite: ENC 3246, CEG 3011C, CES 4702C and ENC 3250

Co-requisite: CWR 4202C and TTE 4004

Description: This course is the first part of a two-semester design project. Students are introduced to professional practice issues such as: procurement of work; bidding versus quality based selection processes; how design and construction professionals interact to construct a project; the importance of professional licensure and continuing education; and other professional practice issues. Students work in multi-disciplinary teams to develop a proposal and preliminary design for a selected Civil Engineering project.

CGN4804: Senior Capstone Design II **3**

Prerequisite: CGN 4803. This course is the second part of a two-semester, design project class. Students are to proceed with the design project according to the plan developed in CGN 4803. Under faculty supervision, the students perform the actual design work for the project previously selected. Finally, students submit a final report and give a formal oral presentation to discuss the final design. (A material fee of \$30 will be assessed.)

CGN4824: Principles of Land Development **3**

Prerequisites: CWR 4202C and TTE 4004

Description: This course introduces students to principles of designing residential and commercial developments. The focus of the course is to learn how to design infrastructure components such as storm water, roads and sanitary sewer, for new developments.

CGN4905: Directed Individual Study v. 1-3

Prerequisites: Approval by sponsoring professor and director of engineering. Students will participate in study of topics agreed to by a sponsoring and supervising professor. This course is variable in credit hours and may be repeated once with different content.

CGN4931: Special Topics in Civil

Engineering v. 1-3

Prerequisites: Senior standing and consent of instructor or department. This course provides topics of special interest in Civil Engineering, which may vary each time the course is offered. Course content may be engineering science, engineering design, or a combination of both. The special interest topic, when offered, will be stated in the schedule booklet. The course is variable in credit hours and may be repeated once with different content. (A material fee of \$30 will be assessed.)

CGN4935: FE Exam Review Seminar 1

Co-requisite: CGN 4803

Description: This course is a seminar that provides review lectures and problem solving sessions for senior civil engineering students who need to take the Fundamentals of Engineering (FE) Exam to become engineers in training. The course reviews materials covered in the FE Exam and is required for all graduating senior students. Each student will be required to register for the exam as a requirement for graduation.

CGN4949: Co-op Work Experience v. 0-1

Prerequisite: Acceptance in Cooperative Education Program and 6 hours of completed CGN courses.

Description: Students will participate in a practical co-op engineering work under approved industrial supervision. Students may repeat this course for credit, up to a total of three semester hours.

CWR3201: Fluid Mechanics 3

Prerequisite: EGN 3311. *Corequisite:* EGN 3321. The purpose of

this course is to introduce the fundamental principles of fluid mechanics, including fluid statics, fluid kinematics, and the dynamic equations for fluid mass, momentum and energy conservation. Also, the fundamental principles of fluid mechanics are used to solve basic engineering problems involving incompressible flow.

**CWR3561: Numerical Methods and
Computing in Civil and Coastal
Engineering**

3

Prerequisite: MAP 2302

Description: The students will be introduced to a suite of scientific computing environments, tools and methods upon which civil and coastal engineering practice and research relies on. The following foundational knowledge will be covered in the course: data operations and other built-in functionality; data input and output, including data formatting per different data types; symbolic manipulation, including algebra and calculus; and visualization of data. As a synthesis of the foundational knowledge gained in the course, students will develop their own code to read in data, process and analyze the input and visualize the output. Problems investigated in the course will be examples in civil and coastal engineering where higher level computing is needed.

**CWR4001: Introduction to Coastal and Port
Engineering**

3

Prerequisites: PHY 2048C, PHY 2049, and MAC 2312

Description: This course provides an introduction to the coastal environment with a focus on engineering and science applications. The course also introduces concepts important to port operations and design as related to the waterside engineering aspects. Designed for upper-level undergraduate students, the course introduces important topics and physical processes necessary to understand and work in the coastal environment. The course provides the foundation for more advanced study of water wave mechanics, coastal processes, and coastal and port engineering design.

CWR4006: Coastal Processes

3

Prerequisite: CWR4001

Description: The lectures feature background theory, discussion and a detailed examination of important coastal processes with engineering applications. Course subjects cover a wide range of topics to provide a breadth of knowledge for subjects related to coastal study. Topics include coastal zone features, water wave mechanics, field measurement techniques, longshore and cross-shore sediment transport analysis, beach nourishment theory, coastal structures, tidal inlets, and coastal management. The course presents material at a level necessary to understand many intermediate and advanced processes and relationships.

CWR4009: Oceanography/ Meteorology

3

Description: In this course, students will examine physical characteristics, processes and dynamics of the global ocean to understand circulation patterns and how they relate to ocean biology, chemistry, and climate change. Students will learn about total energy balance, role of eddy fluxes, inference of mean meridional circulation, diagnosis of time-mean flow, climate and its variability, theories of wind-driven circulation, frictional and inertial boundary regimes and thermohaline circulation.

CWR4010: Field Methods

3

Prerequisite: CWR4001

Description: This course will expose the student to the conception, design, logistics, and execution of field experiments and data gathering exercises in the coastal environment. Topics will include: beach profile surveying, sand sampling and analysis, wave gauge deployment, riverine and tidal current measurements, and surf zone wave and current measurements. Note that some courses will be taught off campus, in the surrounding waterways.

CWR4024: Coastal & Estuarine

Hydrodynamics

3

Prerequisite: CWR 3201 and MAP 2302

Description: Linear wave theory is introduced at the beginning of the course. Other topics to be covered are: nearshore wave processes, the physics of longwave hydrodynamics, and estuarine processes. The course culminates with an application of coastal

and estuarine hydrodynamics.

CWR4121: Groundwater Flow and Containment Transport **3**

Prerequisite: CWR 4202C

Description: This course addresses the study and evaluation of groundwater flow within aquifers. The course includes a general overview of groundwater geology, groundwater hydraulics, the hydrologic cycle, well hydraulics, aquifer testing, salt-water/freshwater interface, and fate and transport of contaminants. Each student will be required to develop a final course project.

CWR4202C: Hydraulic Engineering **4**

Prerequisite: CWR3201. The topics contained in this course include the fundamental equations for pipe and open conduit flow, development of design oriented formulas for pipes and open learning channels, the hydrologic cycle, precipitation and stream flow measurement and analysis, runoff prediction, hydrographs, and flood routing. Hydraulic laboratory component included. (A laboratory fee of \$30 will be assessed.)

CWR4550: Water Wave Mechanics **3**

Prerequisite: CWR 3201 and MAP 2302

Description: This course will first provide an introduction to hydromechanics and then present the development and solution of the basic boundary value problem for water waves. Engineering properties of waves will then be examined including: shoaling, refraction, breaking, bed dissipation, and wave forces on structures.

CWR4600: Major River Systems of Florida **3**

Prerequisite: PHY 2048, PHY 2049 and MAC 2312

Description: Due to the unique geology and ecology of Florida, its river systems are vitally important to the co-existence of man and nature. The course will provide an in-depth look at current and future issues of the major river systems (St. Johns, Kissimmee, Apalachicola, etc. in Florida). It will focus on the issues that a civil engineer will come in contact within his/her career. This course

will integrate the student's perspective of the human impact on the river, the legal framework and issues of water quality management, and the biotic perspective of a healthy ecosystem. Reading material will include online state river reports. A significant research paper will be required of students which examines one aspect of a major river system whether it be human induced changes, physical or biotic processes, the impact of some physiographic feature, or an aspect ecosystem.

EGN3125: Surveying and Computer Aided

Design

3

This course will provide students with hands-on experience in computer-aided design concepts and practices and basic and advanced surveying techniques.

EGN3311: Statics

3

Prerequisite: PHY 2048, PHY 2048L and MAC 2311.

Description: This course covers the analysis of two and three dimensional force systems by vector algebra. Application of the principle of equilibrium to particles, rigid bodies, and simple structures are included. Friction, distributed forces, center of gravity, centroids, and moment of inertia are introduced. U.S. engineering and metric systems of units and applications are used.

EGS3038: Leadership for Engineers

1

Description: This course uses a weekly seminar format with guest speakers and student presentations to understand the importance of leadership in the engineering profession and to develop leadership skills. A project is required.

EGS4032: Engineering and Professional

Issues

2

Prerequisite: Acceptance in an engineering program in the School of Engineering at UNF.

Description: The study of issues of importance to the engineering profession, the relationship of engineers to their profession and their industrial and business bases, and the importance of the

results of their designs and analyses on their using communities will be covered in this course.

ENV3001C: Environmental Engineering **3**

Prerequisite: CHM 2045 and CHM 2045L.

Description: This course covers the fundamentals of environmental engineering, including the physical, chemical and biological processes used in pollution control with an emphasis on water and wastewater treatment. A limited laboratory component provides an overview of the experimental methods and processes used in environmental engineering.

ENV4012: Advanced Environmental Engineering **3**

Prerequisites: ENV 3001C and CWR 4202C. This course provides in-depth coverage of the physical, chemical, and biological processes used for pollution control. Specific topics included in this course are as follows: unit analysis of physical, chemical, and biological processes, environmental hydraulics, water quality modeling, and water and waste treatment theory, analysis, and design.

TTE4004: Transportation Engineering **3**

Prerequisite: CGN 3322C and STA 3032

Description: This course offers an introduction to transportation engineering, including the characteristics of transportation modes, interaction between modes, facility design consideration, planning of transportation systems, economics, public policy, implementation and management.

TTE4201: Advanced Transportation Engineering **3**

Prerequisite: TTE 4004

Description: This course provides comprehensive coverage of the principles of traffic engineering with an emphasis on road and intersection analysis and design, including the following topics: volume and speed studies, traffic control devices, signal design and timing, and traffic simulation tools.

TTE4203: Highway Geometric Design **3**

Prerequisite: TTE 4004

Description: This course encompasses the use of the American Association of State Highway and Transportation Officials (AASHTO) policy on Geometric Design of Highways and Streets. This course provides a detailed coverage of the principles and techniques necessary for the design of the highway geometric elements.

TTE4276: Intelligent Transportation Systems **3**

Prerequisite: TTE4004

Description: This course is intended to increase student's understanding of the application of advanced computer and communications technologies to address improvements in transportation and in the areas of safety, productivity and general mobility. The student will learn the application of these technologies in the multimodal surface transportation infrastructure of highways and streets, as well as passenger cars, trucks, buses and trains.

TTE4314: Traffic Operations **3**

Prerequisite: TTE 4004

Description: This course entails the use of the Highway Capacity Manual in evaluating the Level of Service for various transportation facilities.

Undergraduate Courses

Electrical Engineering

EEE3308: Microelectronics I

3

Prerequisite: EEL 3111

Description: This course covers basic microelectronic design techniques. Topics include operational amplifiers, diodes and transistor characteristics and applications, and analysis and design of amplifiers. Computer-aided tools in the design and analysis of microelectronic circuits are used.

EEE4309: Microelectronics II

3

Prerequisite: EEE 3308 and EEL 3112.

Description: This course covers advanced electronic design techniques. Topics include frequency response of amplifiers, output stages and power amplifiers, differential and multistage amplifiers, feedback and stability, oscillator design and analysis, and applications of linear and digital integrated circuits.

EEE4309L: Electronics Lab

1

Prerequisite: EEL 3112, EEL 3117L, and EEE 3308
Co-Requisite: EEE 4309

Description: This is the laboratory portion of EEE 4309.

Course Fees: \$75

EEL3013: Modeling and Simulation in

Electrical Engineering

3

Co-requisite: COP 2220

Description: This course is an introduction to modern modeling and simulation tools and techniques as applied to electrical engineering domains. Course content may include topics in Matlab, Simulink, Labview, or other electrical engineering modeling and simulation tools.

EEL3111: Circuit Analysis I**3**

Prerequisites: PHY 2049 and MAC 2313

Co-requisite: MAP 2302

Description: This course covers basic analysis of electrical circuits. Topics include voltage, current, power, energy, resistance, basic laws, circuit theorems, operational amplifiers, capacitance, inductance, transient analysis as well as phasors, impedances and admittances for sinusoidal steady-state analysis. The use of simulation and computational methods to analyze electrical circuits is introduced.

EEL3112: Circuit Analysis II**3**

Prerequisites: EEL3111

Description: This course provides further AC and DC circuit analysis methods. Topics include AC circuit analysis, AC power analysis, frequency response, circuit analysis using Laplace transforms, and circuit analysis using Fourier series and Fourier transforms. A computer-aided tool is used.

EEL3117L: Electrical Circuits Laboratory**1**

Co-requisite: EEL 3112, EEE 3308

Description: Laboratory experiments emphasizing electrical instrumentation, circuit-theory verification plus network analysis and design.

Course Fees: \$75

EEL3135: Signals and Systems**3**

Prerequisite: EEL 3112, MAS 3105 and EEL 3013

Description: This course covers concepts and properties of continuous-time and discrete-time linear time-invariant systems, frequency domain analysis of signals and systems, discrete Fourier transform, fast Fourier transform (FFT), and their applications. Computer-aided tool is used.

EEL3216: Introduction to Power Systems**3**

Prerequisite: EEL 3111

Description: This course includes the study of phasors, three-

phase transmission systems, power transformers, transmission line parameters and models, and power flows analysis tools..

EEL3472: Electromagnetic Fields and Applications

3

Prerequisite: EEL 3112 and MAP 2302

Description: This course covers electric and magnetic fields and forces. Topics covered include electrostatics, magnetostatics, time-varying fields, Maxwell's equations in point and integral form, plane wave propagation, energy and power, and transmission lines.

EEL3701: Introduction to Digital Systems

3

Co-requisite: COP 2220 and PHY 2049 and EGN 1001C

Description: This course covers basic digital design technology. Topics include number systems, boolean algebra, combinational and sequential circuit design and analysis, hardware description language, and programmable logic devices.

EEL3701L: Introduction to Digital Systems

Lab

1

Co-requisite: COP 2220, PHY 2049, EGN 1001C, and EEL 3701.

Description: This course is the laboratory that accompanies EEL 3701.

Course Fees: \$75

EEL4081: Topics on Rehabilitation

Engineering

3

Prerequisite: EEL 3111

Description: This course is an introduction to the multiple facets of design, fabrication, and testing of adaptive and assistive devices for rehabilitation applications. It provides students with the unique opportunity to work at the interface of people and technology, exposing them to challenging engineering questions that require complex interdisciplinary solutions. This is a hands-on course where students apply engineering principles to practical

applications focused on design, fabrication and testing of equipment.

EEL4220: Electric Machines **3**

Prerequisite: EEL 3216

Co-requisite: EEL3472

Description: This course covers the principles of magnetic circuit concepts, ac machinery fundamentals, synchronous generators and motors, induction motors, dc machinery fundamentals, and dc motors and generators.

EEL4241: Power Electronics **3**

Prerequisite: EEE 3308

Description: The main objective of this course is to study the principles of static power conversions, PWM techniques for voltage and frequency control, circuit design considerations, and applications of power electronics. Computer-aided analysis and design of power electronic circuits will be emphasized.

EEL4283: Introduction to Renewable Energy **3**

Prerequisite: PHY2049 and CHM2045

Description: The main objective of this course is to study the different types of energy sources and storages, renewable energy systems, energy distribution, energy policy and management. Computer-aided analysis of renewable energy resource information and data for evaluating energy potential and energy costs

EEL4440: Optical Fiber Communications **3**

Prerequisites: EEL 3472 Electromagnetic fields and applications of permission of instructor This course focuses on fiber optic waveguides. Topics covered in the course include optical sources, detectors, receivers, transmission systems and fiber-based broadband communication networks.

EEL4514: Communication Systems **3**

Prerequisites: EEL 3135 and STA 4321

Description: This course introduces the theories of analog and digital communications systems. Topics include modulation and demodulation, multiplexing, spread spectrum, CDMA, communication links and wireless channel analysis.

EEL4514L: Analog and Digital Communications Laboratory

1

Prerequisite: EEL 3135 and STA 4321

Co-requisite: EEL 4514

Description: This course is the laboratory component for EEL 4514 and consists of the laboratory investigation of communication systems.

Course Fees: \$75

EEL4580: Wireless and Mobile Communications

3

Prerequisite: EEL 3111

Description: This course introduces the physical characteristics of wireless transmission systems and their practical applications (including topics such as 3G, 4G and 5G mobile wireless technologies, Wi-Fi, Wi-Max, LTE, mobile ad-hoc networks and satellite networks). This course will build a basic understanding of designing and analysis of wireless and mobile communication systems.

EEL4610: State-Space Control Systems

3

Prerequisites: EEL 3135 or EML4312.

Description: This course uses the state-space method to design and analyze feedback control systems. Topics include the review of linear algebra, state-space modeling of control systems using differential equations and their solutions, stability, controllability, shaping of dynamic responses, observability, state estimation, and advanced topics selected from optimal control, optimal estimation and their associated computational methods. Computer-aided control system design software is used extensively in the course.

EEL4657: Linear Control Systems

3

Prerequisite: EEL 3135 and STA 4321

Description: This course covers the design and analysis of control systems using transfer function-based methods. Topics include modeling of physical systems as transfer functions, stability analysis, design specifications, design of controllers by root locus method, frequency response techniques, computer-aided analysis and design.

EEL4657L: Linear Control Systems Lab 1

Prerequisite: EEL 3135 and STA 4321

Co-requisite: EEL 4657

Description: This course is the laboratory to EEL 4657.

Course Fees: \$75

EEL4712: Digital Design 3

Prerequisite: EEL 3701 and EEL 3701L

Description: This course covers the analysis, design, simulation, and implementation of advanced combinational logic circuits and synchronous / asynchronous state machines using modern programmable logic devices. Electrical and timing characteristics of physical devices are covered. CAD-based design and development using hardware description languages are used throughout the course.

EEL4712L: Digital Design Lab 1

Prerequisite: EEL 3701 and EEL 3701L

Co-requisite: EEL 4712

Description: This is the laboratory component of EEL 4712.

Course Fees: \$75

EEL4713C: Introduction to Instrumentation 3

Prerequisite: STA3032 or STA4321

Description: This course will introduce topics associated with using instrumentation. The topics will include measurement uncertainty, instrument characteristics, calibration, data acquisition, signal conditioning, variable conversion, and instrument types for measuring physical parameters including position, flow, temperature, strain, and pressure.

EEL4744C: Microcontroller Applications **4**

Prerequisite: EEL 3701 and EEL 3701L

Description: This course covers the elements of microcontroller-based systems, hardware interfacing, software design, and applications. Topics include microcontroller software architecture, instruction set, addressing modes, memory map, gpios, analog-to-digital converters, timers, input capture, output compare, PWM, communication interfaces, and interrupts, code development using assembly languages and C. weekly laboratory experiments.

Course Fees: \$75

EEL4750: Introduction to Digital Signal Processing **3**

Prerequisite: EEL 3135. This course is an introduction to the high tech world of digital processing. The topics include discrete time signal and systems, z-transform, DFT, introduction to digital filter design. The class offers theoretical and hands on applied signal processing.

EEL4750L: Digital Signal Processing Laboratory **1**

Prerequisite: EEL 3135.

Co-requisite: EEL 4750.

Description: This course will allow students to apply the theory learned in EEL 4750 in a series of lab assignments. The topics include discrete time signal a systems, z-transforms, DFT, introduction to digital filter design.

Course Fees: \$75

EEL4829: Digital Image Processing **3**

Prerequisite: EEL 3135 This course provides an overview electrical engineering aspect of digital image processing techniques and their applications including image acquisition, sampling, color, enhancement, segmentation, compression, coding, and morphology.

EEL4905: Undergraduate Supervised

Research

v. 1-3

Prerequisite: Approval of supervising professor and chair.

Description: This course is an investigation of a research topic in Electrical Engineering.

Repeatability: The course may be repeated for a maximum of 6 credit hours.

EEL4914: Senior Capstone Design I

3

Prerequisite: ENC 3246, EEL 4744C, EEE 4309, and EEE 4309L

Description: This course is the first part of a two-semester team design project. Teams are responsible for preparing a project proposal including a problem statement and need identification, concept generation and down selection and a project design. Teams are further required to develop and demonstrate a proof of concept or prototype. Additional topics covered include ethics, safety, and intellectual property such as copyrights, trademarks and patents. A final project proposal oral presentation is required.

Course Fees: \$75

EEL4915: Senior Capstone Design II

3

Prerequisite: EEL 4914

Description: This course is the second part of a two-semester team design project. Teams are responsible for completion of their engineering project that was proposed in the Senior Capstone Design I course. Teams are required to generate a manufacturing scope of work as well as an assessment plan for their project. Assessment of the project relative to the original design specifications is required. Teams are required to complete a written design report and a final oral and poster presentation.

Course Fees: \$100

EEL4930: Special Topics in Electrical Engineering

3

Prerequisite: Permission of instructor. Special courses covering selected topics in electrical engineering. May be repeated up to 12 credits with different course content.

EEL4931: Special Topics in Electrical

Engineering

v. 1-4

Prerequisite: Permission from instructor or department. Special courses covering selected topics in electrical engineering.

EEL4949: Co-op Work Experience

v. 0-1

Prerequisite: Six hours of Electrical Engineering course work. Acceptance in cooperative education program.

Description: Students will participate in practical co-op engineering work under approved supervision.

Repeatability: This course may be taken for up to a 3 credits.

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Undergraduate Courses

Computing

CAP4630: Introduction to Artificial Intelligence

3

Prerequisite: COP 3530

Description: Course topics include heuristic techniques for problem-solving and decision making, control and search strategies, knowledge representation, logic, AI languages, and tools. Applications such as machine learning, natural language understanding, planning, and robotics will be included.

CAP4770: Data Mining

3

Prerequisites: COP 3703.

Description: Students will study concepts and techniques of data mining, including Characterized and Comparison, Association Rules Mining, Classification and Prediction, Cluster Analysis, and mining complex types of data. Students will also examine applications and trends in data mining.

CAP4774: Data Warehousing

4

Prerequisites: COP3703 This course provides an introduction to data warehousing concepts, requirements gathering, design, and implementation. Students learn about operational database integration, extraction, transformation, and loading of operational data to historical database systems such as operational data store and data warehouse. Students are provided with techniques for the analysis, design, denormalization, implementation, utilization, and documentation in the development of data warehouse systems. Structure query language for database and data warehouse will be studied and used to retrieve data and manipulate the information from the implemented databases. Students are required to complete and present a project to class in the data warehousing area.

CAP4784: Introduction to Data Analytics

3

Prerequisite: COP 3703

Description: This course gives a broad overview of the various aspects of data analytics and visualizations. Students will learn ways of accessing data from various sources such as web APIs and repositories, techniques of cleaning data and organizing data for analysis, using analytical methods to solve real-world problems and create visualizations to aid the interpretation of analysis results. Students will have hands-on training using relevant programming languages, as well as analytics and visualization tools. Over the course of the semester, students will apply lessons learned and use tools trained to produce interactive, web-based visualization projects.

CDA3100: Computer Architecture and Organization

4

Prerequisites: COP 2220

Description: This course will cover the fundamental ideas in computer architecture and organization. Topics include machine-level data representation; digital logic; computer arithmetic; processor design; system components and inter-communication; memory hierarchy; multi-core processors; GPU; and modern technological advancements.

CDA4010: User Interface Design

3

Prerequisite: COP 3503

Description: This course introduces the fundamentals of effective interaction between humans and computers with an emphasis on software and physical elements. Good and bad interface designs are examined to reinforce proven interface design techniques. The phases and tools involved in the interaction design process are discussed, as well as how the interaction design process aligns with the Software Development Life Cycle (SDLC).

CEN1361: Creating Mobile Apps

3

Description: This course is designed for students of all majors who want to develop mobile apps. Students will learn to create technology, not just consume it--to understand technology, not fear it. Students will be creative and learn in an interactive, team-oriented environment. Students will learn about privacy, security, and social implications of computing, and the digital future.

Students will develop apps that scan, talk, play music, play video, take pictures, make phone calls, and games that depend upon tilting of the phone. The apps will be for real-world purposes from variety of fields. Computing concepts covered include: the architecture of an app, software engineering principles, programming an app's memory, creating animated apps, conditional block for decision making, programming lists of data, iteration, procedures and reusing blocks, database (both local and cloud-based), reading and responding to sensors, and communicating with Web APIs.

CEN4010: Software Engineering

3

Prerequisites: COP 3530 and COP 3703

Description: This course introduces students to fundamental Software Engineering concepts and current practices. Topics covered include: software process models; agile software development; requirements engineering; domain modeling; model-driven development; software architectures; design paradigms and patterns; project management, tracking, and release planning; collaborative development, testing, deployment, maintenance and evolution.

CEN4083: Introduction to Cloud Computing

3

Prerequisite: CNT 4504

Description: The adoption of cloud computing services continues to grow across a variety of organizations and in many domains. Students will be exposed to the current practices in cloud computing. Topics may include cloud service models such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), virtualization, cloud architectures, motivating factors, benefits and challenges of the cloud, cloud storage, performance and systems issues, disaster recovery, federated clouds, hypervisor CPU and memory management, data centers, and cloud security. Course work may include homework assignments, presentations, and projects that will provide exposure to major cloud services such as Amazon Web Services (AWS) and/or Google Compute Engine (GCE).

CEN4535C: Development of Gaming and Mobile Applications

4

Prerequisite: COP 3530

Description: This course covers various approaches to the development of computer games and mobile software applications using current development environments, frameworks, and game engines. Examples of mobile approaches include, but are not limited to, "thin" clients and "smart" clients, which interact with servers implemented as enterprise systems or web services. Examples of game development approaches include, but are not limited to, the use of various modelers, Artificial Intelligence techniques, Physics engines, and realistic Computer Graphics renderers. Development environments and platforms include open-source and commercial. Laboratories consist of small programming assignments that are demonstrated through simulators of mobile devices, the deployment to mobile devices, and the development of computer games and their elements.

CGS1100: Computer Applications for Business

3

This course provides an introduction to the fundamentals of personal computing for business majors and other non-computer science majors. Topics include the Windows operating system, word processing, spreadsheets, database, presentation aids, internet, e-mail and related areas. Students may not receive credit for CGS1100 and also for CGS1570.

CGS1930: STEM LLC Seminar

0

Description: This is a course for first year students participating in the STEM Living, Learning Community. Students will hear lectures from guest speakers, including STEM faculty, and learn about study skills and resources available at UNF to help them succeed in their chosen major.

CGS3001: Current Trends in Computing Technology

1

Description: Since the field of computing is ever-changing, it is important to keep oneself attuned to the latest developments in-field. This course will expose students to careers and current trends in technology. This course will make extensive use of guest

lecturers that work in the field of computing from area employers. These lecturers will discuss the latest trends in technology that affect their organizations, and also provide students with a unique insight into careers available in the field of computing.

CIS2930: Special Topics in Computer and Information Sciences **v. 1-4**

Course outline will vary depending on topic and number of credit hours. The course will be handled logistically in the same fashion as upper division and graduate-level special topics. May be repeated up to 12 credits.

CIS2935: Honors Special Topics in Computer and Information Sciences **3**

Topics are reflective of state-of-the-art computing and selected from among those particularly suited to sophomore-level Honors students.

CIS3253: Legal and Ethical Issues in Computing **3**

Prerequisite: COP 2220

Description: This course provides an opportunity to discuss and analyze the legal and ethical issues facing today's computing professionals, as well as the legal and ethical issues computing professionals may face in the future. Legal and ethical issues are considered from local, as well as global perspectives.

CIS3526: IT Project Management **3**

Prerequisite: COP2220

Description: This course introduces today's best practices in information technology project management. Students are challenged to incrementally create mock project plans and change requests to demonstrate comprehension of scope, time, cost, quality, human resources, communications, risk, procurement and stakeholder management techniques to successfully execute projects. Projects are a group assignment so students leverage their combined interests and knowledge in computer science, information science, information systems, and information

technology to imagineer their projects. Formation of project change requests will require creative and analytical thinking to resolve challenges unique to the design, implementation, configuration and maintenance of IT infrastructures and/or software programs. Students who pass this course are eligible to pursue the Associate of Project Management certification (CAPM), an internationally recognized credential in the project management field.

CIS3949: Experiential Studies in Computing

v. 0-3

Prerequisite: Acceptance in cooperative education program. Experiential learning (Co-op) opportunities are available for students with a minimum of 6.0 credits of core computing courses completed. Students will participate in supervised work experiences related to the computing field. No more than six credit hours of experiential learning (co-op) credit may be applied to a student's program of study. All co-op proposals must be approved by the director of the School. Co-op experiences may only be used as a free elective at either the lower or upper level.

CIS4100: System Performance and Evaluation

3

Prerequisite: COP 3530

Description: Topics include tools and techniques used in the evaluation of the performance of computing systems, empirical modeling methods, simulation models, deterministic, and stochastic methods.

CIS4325: Introduction to Systems Administration

3

Prerequisite: COP 4640 and CNT 4504

Description: Responsibilities of a Systems Administrator in the world of IT. Topics covered will include: desktop management, servers, services; processes; file systems; user management; backups; disaster recovery; logging; networking; DNS; NFS; email; security; web hosting; software installation, maintenance, and upgrades; printing; performance analysis; policies; and ethics.

CIS4327: Information Systems Senior

Project I

3

Prerequisite: COP 3530, COP 3855 and COP 3703

Description: First of a two-course senior project on systems development with a significant laboratory component. Students will learn system development life cycle methodologies and its phases including requirements specification, analysis, and design. Students will design and develop a prototype information system in the context of the project team environment.

CIS4328: Information Systems Senior

Project II

3

Prerequisite: COP 4813, CIS 4327 and CDA 4010

Description: The second of a two-course senior project on systems development with a significant laboratory component. Students will design, implement, and deploy a prototype information system in the context of a project team environment employing relevant systems development life cycle methodologies.

CIS4360: Introduction to Computer

Security

3

Prerequisite: COP 3503

Description: This course presents basic concepts and principles of information security, and the fundamental approaches to secure computers and networks. Main topics include security basics, security management, risk assessment, software security, cryptography algorithms and protocols, and network authentication.

CIS4362: Computer Cryptography

3

Prerequisite: COP3530

Description: This course presents an introduction to both classical and modern computer cryptographic protocols, including the RSA algorithm. The relevant algebra and number theory will be covered, as well as material to secure data communication such as coding theory.

CIS4364: Intrusion Detection

3

Prerequisites: CNT 4504 and CIS 4360

Description: This course explores the use of intrusion detection systems (IDS) as part of an organization's overall security posture. A variety of approaches, models, and algorithms along with the practical concerns of deploying IDS in an enterprise environment will be discussed. Topics include the history of IDS, anomaly and misuse detection for both host and network environments, policy and legal issues surrounding the use of IDS, how IDS can complement host and network security, and current research topics.

CIS4365: Computer Security Policies and Disaster Preparedness

3

Prerequisites: CIS 4360 This course will cover material about computer security policies. Included with these policies will be specific plans about disaster preparedness in computing. These policies and plans will determine how computer professionals should react to security breaches or destructive acts of nature. Students will study existing policies and will use and develop software for creating and tracking these policies and plans. Computer security policy analysis will be completed by examining user needs and applying best practices in all course projects.

CIS4366: Computer Forensics

3

Prerequisites: CIS 4360

Description: Topics in this course will include computer system data recovery with a particular emphasis on computer evidence handling and computer crime detection. The students will use and develop computer software tools to reboot suspect computers, detect evidence of computer crime, and preserve that evidence for later use. Students will be trained to recover data from simulated crime environments.

CIS4615: Evaluating Software for Security

3

Prerequisites: CIS 4360 This course is intended to make students aware of how software design decisions affect computer security issues. Common computer security problems will be discussed and students will be asked to write programs demonstrating how to avoid such problems. Special emphasis will be placed on web applications. Security testing will be discussed and students will

be asked to use security testing techniques from class existing software products.

CIS4618: Expert Systems and Decision

Support

3

Prerequisite: COP 3530

Description: Topics include expert systems construction and application, use of computers in managerial decision making, examination of problem solving and decision models in relation to the business environment, and practical application emphasizing evaluation of available systems and hands-on experience.

CIS4900: Directed Independent Study

v. 1-3

Description: This course is reserved for senior level computing and information science students, on topics supportive of the student's overall program.

Repeatability: May be repeated with permission.

CIS4910: G(W) Computing Honors

Research

3

Prerequisite: Admission to the Honors in the Major track in Computing and Information Sciences

Description: Students will engage in research leading to the Honors project/thesis under the supervision of a faculty member.

CIS4930: Special Topics in Computer and Information Sciences

v. 1-4

Description: Topics are reflective of advances in state-of-the-art computing not adequately addressed in current course offerings.

Repeatability: May be repeated up to 12 credits.

CIS4955: Computing Honors

0

Description: Students will engage in leadership activities supervised by a School of Computing faculty member. Examples

of such activities include participating in student clubs, diversity and inclusion events, outreach events, and other types of events organized by the School of Computing.

CNT4406: Network Security and Management

3

Prerequisites: CNT 4504

Description: In this course, students will identify and analyze user needs and take them into account in the selection, creation, integration, evaluation, and administration of secure computer systems. The course would focus on issues related to the management and security of various network topologies. The use of cryptographic algorithms in the design and implementation of network security protocols will be covered. Various forms of security attacks will be detected, analyzed, and mitigated.

CNT4504: Computer Networks

3

Prerequisite: COP 3503

Description: In this course, students will study architectures, protocols, and layers in computer networks and develop client-server applications. Topics include the OSI and TCP/IP models, transmission fundamentals, flow and error control, switching and routing, network and transport layer protocols, local and wide-area networks, wireless networks, client-server models, and network security. Students will extend course topics via programming assignments, library assignments and other requirements.

CNT4514C: Wireless Networks and Mobile Computing

4

Prerequisite: COP 3530

Description: Students in this course will study wireless and emerging network technologies. They will examine the effects of mobility on network issues such as architecture security, privacy, file systems, resource discovery, resource management (including energy usage), personal on-line identities, and other areas. Students will acquire hands-on experience with mobile and sensor platforms.

CNT4704: Network Design and Planning

3

Prerequisites: CNT 4504 Computer Networks and Distributed Processing In this course, students will examine computer network goals, models, and designs for both local area and wide area networks, with specific emphasis on internetworking principles. They will evaluate current network technologies and use related best practices and standards in the planning of a network. Through simulation techniques and graph and queuing theory, students will address user needs by assessing the capacity of a network, implementing a related evaluation model, and analyzing its performance.

COP2220: Programming I

3

Description: This course provides an introduction to problem solving techniques and the computer programming process. Topics in the course include data types, operations, expressions, flow control, I/O, functions, program structure, software design techniques, and memory allocation. Course concepts are reinforced with many programming projects throughout the course.

COP2551: Introduction to Object Oriented Programming

3

Prerequisite or

Co-requisite: CGS 1570. This course introduces the principles and practices of object oriented (OO) programming. Topics include user interface and problem data classes; class versus instance properties and methods; abstraction; encapsulation; inheritance and multiple inheritance; polymorphism; software design techniques; and problem solving. The concepts are utilized in numerous programming projects.

COP2800: Java/Javascript

3

Introduction to functions, objects, events, and their handlers, interactive forms, frames, documents, windows and cookies using JavaScript; object-oriented programming, including classes, packages and interfaces, exceptions and multitasking in Java.

COP3331: Object-Oriented Programming in

Java/JavaScript

3

Prerequisites: COP 2220 and CGS 3559 or permission. This course covers the principles and practices of object-oriented (OO) analysis, design, and implementation. Topics include functions, objects, event handlers, interactive forms, arrays, frames, documents, windows and selected topics in JavaScript; classes, packages, interfaces, exceptions, awt, threads, JDBC, and selected topics in Java.

COP3404: Introduction to Systems

Software

3

Prerequisite: COP 3503 and CDA 3100

Description: This course covers computer structure, machine language, instruction execution, addressing techniques, system and utility programs including linking, loading, assembly and macro processing.

COP3503: Programming II

3

Prerequisite: COP 2220

Description: This course serves as a continuation to the Programming I course. Students are shown additional fundamental concepts of problem solving using the object-oriented paradigm and data structures. The topics in this course include classes, interfaces, objects, class types, events, exceptions, control structures, polymorphism, inheritance, linked lists, arrays, stacks, queues, and deques. Students are expected to apply these concepts through the construction of numerous small software systems using both integrated development environments and command-line- driven tools that support editing, testing, and debugging.

COP3530: Data Structures

3

Prerequisites: COP 3503 and COT 3100.

Description: Students in this course will study various data structures including binary trees, balanced trees, B-trees, hashing, and heaps. Additional topics include advanced data structures such as splay trees, tree representations, graphs, dynamic memory, and algorithms for sorting and searching. Students are expected to complete projects using object-oriented programming.

COP3543: Enterprise Computing

4

Prerequisite: COP 3530

Description: This course is for those who want to learn about enterprise computing and data management using COBOL. Organizational data representation is discussed regarding internal business data types and external organizational file systems operations. Business enterprise software development will include report generation, multi-user access, string processing, and independent compilation.

COP3703: Introduction to Databases

3

Prerequisite: COP 3503

Description: This course covers database modeling with emphasis on the relational data model. Principles of relational database design, normal forms, constraints, and SQL programming will be discussed extensively. Additionally, topics related to indexing, views, transactions, XML and No-SQL databases will also be discussed. The course will cover aspects of information security and assurance as they relate to data management. Concepts covered in the course will be reinforced through the use of open source and/or commercial database management systems.

COP3855: Web Systems Development

4

Prerequisite: COP 2220

Description: Students learn about the influence of local and global transaction processing, Internet, Web design and development, and Electronic Data Interchange on information systems. This course discusses the concepts and skills required to design and implement Web application systems using Model-View-Controller (MVC) architecture. Students learn about how Web applications are developed using client-side and server-side scripting to implement internal and external business processes. After an introduction to the basic concepts of relational database systems and Object Relational Mapping (ORM) students will practice for storing and accessing data in the database.

COP4610: Operating Systems

3

Prerequisite: COP 3404 and COP 3530

Description: Topics in this course will include process management, memory management, file management, input/output device management, and distributed systems issues

COP4620: Construction of Language

Translators

3

Prerequisite: COP 3530 and COT 3210

Description: This course introduces students to the theoretical foundations and practical issues of designing language translators. Students will learn how to use compiler construction tools such as generators of scanners and parsers. Grammars, parsing, lexical analysis, syntax analysis, code generation, and optimization will also be discussed.

COP4640: Operating Systems

Environments

3

Prerequisite: COP 3503

Description: An introduction to operating systems from theoretical and applied points of view. Topics include operating system configuration, characteristics, and evaluation. The course will explore operating system theory and development using case studies of common operating systems. Students will complete laboratory assignments using the Linux operating system.

COP4813: Internet Programming

3

Prerequisite: COP 3503 and COP 3855

Description: In this course students will use current technologies to develop Internet and web-based applications. The topics to be covered include client and server-side components for the WWW to facilitate client-server communication, web services, and an introduction to source control tools. Students will extend course topics via programming assignments, library assignments and other assigned activities.

COT3100: Computational Structures

3

Prerequisite: MAC 1101, MAC 1105 or MAC 1147

Description: This course will cover the mathematical and logical fundamentals required in computer science, information systems,

information science, and information technology. The course develops concepts in discrete mathematical structures as applied to computing in general through the topics of sets; logic; proof techniques; Boolean algebra; algorithms and problem solving; number systems; number theory; counting and discrete probability; and relations and graphs.

COT3210: Theory of Computation **3**

Prerequisite: COT 3100

Description: This course will cover the theory of computation using formal methods for describing and analyzing programming languages and algorithms. Topics include finite automata and regular expressions; formal languages and syntactic analysis; pushdown automata and Turing machines; and computational complexity.

COT4111: Computational Structures II **3**

Prerequisite: COT 3100 or MAD 3107

Description: This course covers topics in combinatorial and discrete mathematics, including permutations and combinations, binomial coefficients, recurrence relations, Fibonacci sequences, generating functions, advanced counting techniques such as inclusion exclusion, as well as coding theory, Latin squares, and graph theory. Application to various problems in mathematics and computing will be covered.

COT4400: Design and Analysis of Algorithms **3**

Prerequisite: COP 3530

Description: This course will introduce fundamental techniques for designing and analyzing algorithms, including asymptotic analysis; divide-and-conquer algorithms and recurrences; greedy algorithms; dynamic programming; and graph algorithms.

COT4461: Computational Biology **3**

Prerequisite: COP 3530; STA 4321 or STA 2023

Description: This course is an introduction to the study of Algorithmic and Computational problems in molecular biology. Computer science concepts are emphasized, such as the

improvement in asymptotic running time with better algorithms, the contrast between heuristics and an algorithm with guarantees, and the difficulty posed by NP-Complete problems. Algorithms for sequence comparison, alignment, and assembly are covered, as well as problems in evolutionary trees and genome rearrangements. Combinatorial methods will be the primary focus.

COT4560: Applied Graph Theory

3

Prerequisite: COP 3530

Description: Students in this course will study classical graph theory, its applications in computing and modeling real-world phenomena, and graph algorithms.

IDC2000: The Beauty and Joy of Computing

3

Description: The course focuses on teaching students some of the Big Ideas of Computing such as abstraction, design, recursion, concurrency, simulations, and the limits of computation. The course also provides a historic perspective of Computing and where it is heading. Throughout the course, we will emphasize the relevance of Computing to the students, their future studies, their careers, and society. In this course students will learn Python as the programming language to deliver the concepts. Given that data is pervasive and the need to analyze data is in almost every discipline, learning Python that early will enable students to conduct data analysis which will be helpful for their studies at UNF and in their careers.

Undergraduate Courses

Mechanical Engineering

EGN1001C: Introduction to Engineering I **2**

Co-requisite: MAC 1147 or any higher level MAC course (2XXX).

Description: An introduction to the broad field of engineering from the process of invention and design to the societal impact of the engineering profession. Students will explore the fields of modern engineering through practical examples and hands on activities. Design activities will incorporate aspects from Civil, Electrical, and Mechanical Engineering.

Course Fees: \$40

EGN3203: Modern Computational Methods **3**

Prerequisite: MAP 2302 and COP 2220

Description: This course covers linear algebra, numerical methods, and applications of these using a high-level programming language.

EGN3321: Dynamics **3**

Prerequisites: EGN 3311, MAC 2313 , PHY 2049 , and PHY 2049L.

Description: The kinematics of particles is introduced with topics such as rectilinear motion and curvilinear motion. The kinetics of particles is covered utilizing Newton's Second Law, energy and impulse-momentum principles. Kinematics of rigid bodies is included and covers translational and rotational motions. Kinetics of rigid bodies is also covered for translation, rotation and general plane motion.

EGN3331: Strength of Materials **3**

Prerequisite: EGN 3311

Description: In this course the concept of stress and strain is covered and includes topics such as normal stress and strain, shear stress and strain, Hooke's Law, and stress transformation.

Deformations in axially loaded members are included with some focus on statically indeterminate members. Torsionally loaded members and flexural members are covered. Shear and bending moment diagrams are emphasized with an introduction to member design. Deflection of beams and columns bucklings is introduced.

EGN4042: Problem Solving and Continuous Improvement Methods for Engineers

3

Prerequisite: EGN 1001C and STA 3032

Description: Application of problem identification, solution development and continuous improvement methods to real-life problems from community partners by using engineering tools and concepts is presented. Projects entail root cause analysis, developing multiple solutions and selection as well as implementation of the best solution for the needs of the client.

EGS3065: Professional Issues in Engineering

3

Prerequisite: Engineering standing

Description: This course covers professional issues of engineering including communication; leadership, negotiations and influencing others; interacting with others; gender, diversity and inclusion; career development; legal considerations; adaptation and continuous education; and time management.

EIN3003: Fundamentals of Industrial Engineering

3

Prerequisite: STA3032 and EGN1001C

Description: This course introduces students to fundamental concepts in industrial engineering and manufacturing management. First, the course will survey fundamental topics in supply chain management and logistics with specific attention to the interplay between manufacturing systems, process planning, and the flow of resources. The course also covers topics such as scheduling, quality control, forecasting, queueing theory, data driven production control, engineering and manufacturing management, and plant operations.

EIN3304: Thermofluids for Manufacturing **3**

Prerequisite: EGN3321 and CHM2045

Description: This course introduces the areas of thermodynamics, fluid dynamics, and heat and mass transfer as applicable to manufacturing settings. The topics of this course include introductory thermodynamics, thermodynamic cycles and cycle analysis, fluid statics and dynamics, mechanisms of heat transfer, and applications of heating and cooling to manufacturing systems and hardware.

EIN3390: Materials Processing **3**

Prerequisite: CHM2045 and EMA3010

Description: This course introduces the methods by which raw and precursor materials are created and by which end use products are fabricated. Students will develop an understanding of how the structure-processing “property relationship of given materials informs manufacturing process selection and product design.

EIN3621: Computer Aided Manufacturing **3**

Prerequisite : STA3032, EEL3111, MAP2302 and EML3535C

Description: This course introduces the use of modern computing hardware and software in manufacturing scenarios. The course teaches the application of computer aided methods to engineering design and manufacturing production. These methods include Product Data Management (PDM), CAD/CAM, PLCs and ladder logic in manufacturing settings, and the use of modern simulation software for virtual prototyping.

EIN3800: Subtractive Manufacturing **3**

Prerequisite: EGN3321, EML4320C and EIN3390 Materials Processing

Description: Building on the fundamentals of machining and metal cutting, this course furthers the theoretical and applied knowledge of subtractive manufacturing techniques such as: milling, turning, grinding, electric discharge machining, plasma cutting, water-jet cutting, and surface modification. Further, this course reviews the interplay between material selection, engineering design, subtractive manufacturing methods, tooling, machinery, and

machining economics.

EIN3800L: Subtractive Manufacturing

Laboratory

1

Co-requisite: EIN3800

Description: In this course operation and technique of subtractive manufacturing methods are introduced using subtractive manufacturing machinery such as mills, lathes, grinders, electric discharge machines, and surface modification equipment. Advanced manufacturing techniques and their operation will be introduced including CNC milling, CNC turning, CNC routing, and water-jet cutting.

EIN3801: Additive and Netshape

Manufacturing

3

Prerequisites: EIN3800

Description: Building on the fundamentals of additive and net shape manufacturing, this course expands on the theoretical and applied principles of techniques such as casting, molding, extrusion, rolling, forging, 3D printing, metallization, and additive surface treatments. Further, this course reviews the interplay between material selection, engineering design, additive manufacturing method, machinery, and production economics.

EIN3801L: Additive and Netshape

Manufacturing Laboratory

1

Co-requisites: EIN3801

Description: This course focuses on the operation and techniques of additive and net shape manufacturing methods. Students will design and produce parts to meet prescribed technical specifications through methods including casting, 3D printing, metallization, and surface treatments such as anodizing.

EIN4519: Manufacturing Systems

Integration

3

Prerequisites: EML4320C and STA3032

Description: This course introduces enterprise level analysis of the

planning, evaluation, deployment, and integration of manufacturing theory and methods in production settings. It emphasizes the plant-level interrelationships between manufacturing methods, human factors, and process monitoring and control. Further, this course surveys current and emerging technologies, techniques, and strategies that can increase a manufacturing enterprise's responsiveness to volatile markets and enhance the use of internal engineering and business to increase profitability. Topics include engineering product design for manufacturability, production planning and control, lean manufacturing, mass customization, reconfigurable manufacturing systems, and supply chain resource management.

EIN4602C: Control of Machinery for Manufacturing

3

Prerequisites: EGN3321 and EIN3621

Description: This course introduces the theory and application of feedback control in automated manufacturing systems. The topics of the course include: (1) modeling and analysis of modern manufacturing hardware such as robots, machining centers, sensors, and actuators, (2) the theory and application of feedback control algorithms such as on/off, PID, lead/lag compensation, and state control in manufacturing systems, and (3) the implementation of control logic on programmable logic controller (PLC) systems.

EMA3010: Introduction to Materials Science and Engineering

3

Prerequisite: CHM2045 (C or better), CHM2045L (C or better), and MAC2311 Calculus I (C or better)

Description: This lecture based course covers the fundamentals of materials science and the application of materials knowledge to engineering design. Topics covered include the bonding and structure of metals, ceramics and polymers, physical and mechanical behaviors of materials, phase equilibria, phase transformations and microstructural evolution.

EMA4502: Materials Characterization

3

Prerequisite: EMA 3010

Description: The analyses of crystal structures, microstructures and chemical composition are presented. Students will learn the physical principles behind optical microscopy, electron and x-ray diffraction and electron microscopy for the purpose of identifying materials and assessing their properties. Course fees: \$40

EMA4704: Materials Selection **3**

Prerequisite: EMA 3010

Description: This course exposes students to an algorithm for proper materials selection that will guide them in design activities. The course focuses on the assessment of the demands of specific design criteria including, but not limited to mechanical properties, corrosion, interaction with the service environment as well as economic and social factors. Course fees: \$75

EML3015: Fluids **3**

Prerequisite: EGN 3311 and EML 3100

Co-requisite: EGN 3321

Description: The purpose of the course is to introduce the fundamental principles of fluid mechanics, including fluid statics, fluid kinematics, and the dynamic equations for fluid mass, momentum and energy conservation. Also, the fundamental principles of fluid mechanics are used to solve basic engineering problems involving incompressible flow.

EML3100: Thermodynamics I **3**

Prerequisite: CHM 2045, CHM 2045L, PHY 2042, PHY 2049, and PHY 2049L

Co-requisite: MAP 2302 and EGN 1001C

Description: This course will include the study of energy, its forms and transformations. Topics covered will include properties of pure substances, work and heat, the first law of thermodynamics, the second law of thermodynamics, and energy and power systems using thermodynamics principles.

EML3101: Thermodynamics II **3**

Prerequisite: EML 3100 and MAP2302

Description: This course is a continuation of Thermodynamics I. In this course, students will consider concepts associated with power

and refrigeration systems, gas mixtures, chemical reactions and equilibrium, and irreversibility and availability. Students will learn how to apply thermal sciences concepts through design activities.

EML3535C: Modern Engineering CAD **2**

Description: This course covers fundamentals of engineering graphics including drafting, dimensioning, tolerancing, and exposure to computer aided design software.

EML4004L: Thermal Sciences Laboratory II **1**

Prerequisite: EML 3101

Co-requisite: EML 4140

Description: This laboratory course is designed to provide insight and experience into the advanced fundamental principles taught in core thermal science lecture courses. Topics may include safety, thermodynamic cycles, heat exchangers, conduction and convection heat transfer, turbomachinery, and internal/external flow concepts. Emphasis will also be placed on further development of technical writing skills and oral presentations.

Course Fees: \$40

EML4126: Transport Phenomena **3**

Prerequisites: EML 3015, EML 4140.

Description: This course covers the analysis of heat transfer in fluid systems, forced convection, free convection and phase change. The design and selection of heat exchangers is also covered. The course will also investigate the dynamics and thermodynamics of compressible fluid flow and develop basic theory of turbo-machinery operation and sizing.

EML4140: Heat Transfer **3**

Prerequisite: EML 3015 and EGN 3321

Description: In this course concepts are presented and studied describing the processes of transferring energy in the form of heat from one body (solid, liquid, or gas) to another body. Heat transfer by conduction and radiation will be covered, and analysis tools will be employed in the topics presented.

EML4301C: Control of Machinery **3**

Prerequisite: EML 4312

Description: This course covers the theory and design of linear systems control techniques applied to control of machinery. The study of design and implementation of control systems using conventional automatic controllers for linear systems, compensation techniques, and discrete-time control systems for machine control is covered. One or more advanced topics in modern control theory including adaptive control, optimal control, control of nonlinear systems are introduced. Simulation and/or hardware of modern control systems is covered.

Course Fees: \$40

EML4304L: Thermal Sciences Laboratory I **1**

Prerequisite: EML 3100

Co-requisite: EML 3015

Description: This laboratory course is designed to provide insight and experience into the basic fundamental principles taught in core thermal science lecture courses. Topics may include safety, problem solving method, instrumentation, definitions, and basic concepts. Emphasis will also be placed on development of technical writing skills.

Course Fees: \$40

EML4312: Modeling and Analysis of Dynamic Systems **3**

Prerequisite: EEL 3111, EGN 3203, and EGN 3321.

Description: This course subject is dynamic modeling and analysis of physical systems with emphasis on mechanical systems engineering. The course makes use of systems modeling techniques to model mechanical systems as well as mixed-up energy systems including mechanical translation, mechanical rotation, electrical, and fluid subsystems. Computer analysis tools are included and projects are augmented with laboratory equipment. Introduction to linear systems with feedback control is also presented.

EML4320C: Integrated Design and Manufacturing **3**

Prerequisite: EML 3535C and EGN 1001C

Description: Students will be introduced to topics in design and manufacturing, basic manufacturing principles, computer aided design, computer aided manufacturing, geometrical dimensioning and tolerancing, and rapid prototyping. In addition to lectures, students will be exposed to lab activities in design and manufacturing.

Course Fees: \$40

EML4421: Internal Combustion Engines **3**

Co-requisite: EML 3101

Description: This course provides a broad introduction to all aspects of Internal Combustion Engine theory, modeling and design, with strong emphasis on operation of engine sub-systems, advanced technology, combustion and thermodynamics.

EML4501: Machine Design **3**

Prerequisite: EMA 3010 and EGN 3331

Description: This course covers fundamentals of machines designs, stress, strain, and failure analysis including static and fatigue theories. Design of specific elements such as springs, screws, fasteners and shafts will be covered.

EML4507C: Finite Element Model/Analysis **3**

Prerequisite: EML 3535C and EML 4501

Description: Students will study stress-strain relationships, design of mechanical components and assemblies, and finite element modeling and analysis. In-house modeling and analysis software will be used. Students will be exposed to theoretical background and real life applications.

EML4544: Materials and Handling I **3**

Prerequisites: EML 3100 and EML 3015. The movement of materials necessary to provide for the efficient manufacturing processes is a complex and often vexing problem. This course will use examples of difficult materials handling processes and provide demonstration of the tools necessary to design systems to handle these materials.

EML4551: Senior Capstone Design I

3

Prerequisite: STA3032, EML4140, EML4320C, EML4501, EML4312 and ENC3246; consent of Department.

Description: This course is the first part of a two-semester team design project. Teams are responsible for preparing a project proposal including a problem statement and need identification, concept generation and down selection and a project design. Teams are further required to develop and demonstrate a proof of concept or prototype. Project management concepts such as project scheduling, budgets and economic analysis will be emphasized in the course. Additional topics covered include risk assessment, time value of money, cost benefit analysis, ethics, safety, and intellectual property such as copyrights, trademarks and patents. A final project proposal and oral presentation is required.

Course Fees: \$40

EML4552: Senior Capstone Design II

3

Prerequisite: EML 4551

Description: This course is the second part of a two-semester team design project. Teams are responsible for completion of their engineering project that was proposed in the Senior Capstone Design I course. Teams are required to generate a manufacturing scope of work as well as an assessment plan for their project. Assessment of the design performance relative to the original design specifications is required. Teams are required to complete a written design report and a final oral and poster presentation.

Course Fees: \$100

EML4622: Clean and Renewable Energy

Technology

3

Prerequisite: EML 3100, EML 3015 and EML 3101

Description: This course covers the application of the principles of thermodynamics, transport phenomena, and engineering economics to the analysis of clean and renewable energy technologies such as fuel cells, solar energy, wind energy, and other direct energy conversion techniques.

EML4806: Robotics Engineering

3

Prerequisite: EGN 3321

Description: Students will study robot manipulator kinematics, dynamics, and control. Topics are augmented using computer graphics tools and laboratory experiments with robot manipulators.

Course Fees: \$40

EML4905: Directed Individual Study

v. 1-3

Prerequisites: Approval by sponsoring professor and director of engineering.

Description: In this course students will participate in study of topics agreed to by a sponsoring and supervising professor. This course is variable in credit hours and may be repeated once with different content.

EML4911: Supervised Undergraduate

Research

v. 1-3

Prerequisite: Junior or Senior Standing, admitted into ME program, ME advisor approval.

Description: This course is an investigation of topics in Mechanical Engineering through research.

EML4930: Special Topics in Mechanical Engineering

v. 1-3

Prerequisite: Consent of instructor or department.

Description: This course provides topics of special interest in Mechanical Engineering, which may vary each time the course is offered. Course content may be engineering science, engineering design, or a combination of both. The special interest topic, when offered, will be stated in the schedule booklet. The course is variable in credit hours and may be repeated once for a maximum of 6 credit hours.

EML4949: Co-op Work Experience

v. 0-1

Description: Students will participate in practical co-op engineering work under industrial supervision.

Repeatability: This course may be repeated for up to 3 credits.

ESI4221C: Quality Analysis and Quality

Control

3

Prerequisites: STA3032 and EMA4502

Description: This course introduces the concepts of quality assurance and quality control in manufacturing processes with observable output variation. The course topics include an introduction to design of experiment (DOE), a survey of factors affecting variation in product quality, the use of control charts to evaluate and control manufacturing processes, and a survey of techniques for acceptance and reliability testing. Physical exercises and simulation are used to illustrate the monitoring and control of manufacturing processes through the identification and measurement of output variation, analysis of failure distributions, and implementation of engineering controls.

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Undergraduate Courses

Construction Management

BCN1005C: Introduction to Construction Management

1

Description: This course will provide students with an introduction to the construction industry. The course will include instruction in the business aspects of running a construction project, communication methods in construction, career planning and job searching skills, project management protocols, research methods, ethical issues in construction, job site conduct protocol and other attributes of working in the construction industry.

BCN1210C: Construction Materials

3

Prerequisite: Declared Building Construction majors only

Co-requisite: MAC2233 and PHY2053

Description: This course offers an introduction to the economic, mechanical, non-mechanical, production, and aesthetic considerations of materials currently used in construction in accordance with the 16 sections of the Construction Specifications Institute (CSI) Masterformat. Students interact with local designers and builders to examine and document the consequences of material specification and selection.

Course Fees: \$35

BCN1251: Construction Drawing

3

This course provides a basic knowledge on how to create and read building construction and architectural drawings. Topics include hand sketching, scaling of drawings, basic construction abbreviations and the extraction of information from construction drawings.

BCN2280C: Surveying: Construction Layout

3

Prerequisite: MAC1105 and MAC1114 or MAC1147

Description: This course provides the student with an introductory knowledge of construction surveying and construction layout, with field and classroom exercises.

BCN2405: Introduction to Structures 3

Prerequisites: PHY 2053 and PHY 2053L

Description: An introductory course in the evaluation of structural behavior as it relates to buildings, the properties of structural materials and the structural behavior of load resisting members.

BCN3012: History and Introduction to Construction 3

An analysis of the cultural context of construction, emphasizing its centrality in the evolution and expansion of the built environments as expressions of ethical and aesthetic value systems.

BCN3223C: Soils and Foundations 3

Prerequisite: All program prerequisites should be completed prior to taking this course.

Description: This course covers construction operations and production processes associated with soils, demolition, foundations, concrete mix design, and earth moving equipment. The course also includes field visits, soil and concrete laboratories.

BCN3224: Construction Techniques 3

Prerequisite: All program prerequisites should be completed prior to taking this course.

Description: Study of the vertical construction process to include wooden platform frame construction, cast-in-place and pre-cast concrete construction, and steel erection. Included are interior and exterior finishes, vertical transportation systems, roofing, and other building components.

BCN3578: Maritime Construction 3

Prerequisite: All BCN program prerequisites

Description: This course covers the principles of construction in a maritime environment. Areas of interest include ecological aspects

of maritime construction including environmental permitting, geotechnical aspects of maritime construction, marine and offshore equipment and techniques, construction in ports and harbors.

Availability: One semester per year.

BCN3611C: Construction Cost Estimating 3

Prerequisites: All program prerequisites should be completed prior to taking this course. This course covers principles and practices in making quantity surveys and labor estimates for construction projects. (Basic Estimating in Residential, Commercial and Heavy Civil)

BCN3762: Building Construction Design and Codes 3

Prerequisite: All program prerequisites should be completed prior to taking this course.

Description: Exploration of building design and construction that conform to federal, state, county, and municipal codes, as well as the authority and responsibility vested in the several agencies. Research of the standard building codes required.

BCN3782C: Introduction to Construction Computing 3

Prerequisite: BCN1251 and CGS1100

Description: This course covers the study of application computer programs employed in the construction industry. Areas of study include the Internet, construction scheduling, construction cost estimating and construction drawing.

BCN4011: History and Culture in International Architecture and Construction 3

Description: This is an elective course in the Building Construction program. This course will focus on the History and Culture aspects of Architecture and Construction. The course will offer students the opportunity to study how Architecture and

Construction are linked to history and culture of a specific international location based on the particular focus indicated for the term. This course will be required for students seeking a certificate in International Construction.

BCN4240: Construction Equipment 3

Prerequisite: All program prerequisites should be completed prior to taking this course. Students in this course explore heavy construction equipment, construction methods, equipment productivity analysis, equipment selections, and scheduling and administration of heavy civil projects. Topics of the class will include: fundamental concepts of equipment economics, planning for earthwork construction, soil and rock, compaction and Stabilization Equipment, machine equipment power requirements, dozers, scrapers, excavators, trucks and hauling equipment, finishing equipment and cranes.

BCN4302: Building Information Modeling 3

Prerequisite: BCN 3782C and all program prerequisites should be completed prior to taking this course

Description: This course will focus on design integration in the construction process. Topics will include but not be limited to: BIM execution plan, creating a BIM model, group collaboration tools, clash detection, 4D, 5D, and 6D applications with BIM, and MEP placement in buildings.

BCN4431: Structural Systems 3

Prerequisite: All program prerequisites should be completed prior to taking this course. A study of the structural systems: beams, columns, rigid frames, arches, trusses, enclosures, and foundation configuration methods used in construction. Included are the advantages and limitations of using each structural system, and each materials selection.

BCN4587C: Green Construction and Sustainability 3

Prerequisites: All program prerequisites should be completed prior to taking this course

Description: This course will examine topics in the field of Green

Construction and Sustainable Construction. Topics covered will include the environmental impact of land development, minimization of the negative environmental impacts of construction, and resource utilization. Additional topics to be examined, current building assessment systems, the green building process, ecological design of buildings, green building materials, high performance buildings, building operations and commissioning, ethics in sustainable construction, alternative energy systems, water conservation, and current trends in sustainable construction.

BCN4591C: Mechanical and Electrical Systems

3

Prerequisite: All program prerequisites should be completed prior to taking this course.

Description: This course introduces students to the principles and current practices in application of mechanical & electrical system as described in divisions 14 (conveying equipment), 15 (mechanical systems), and 16 (electrical systems) in the Construction Specifications Institute (CSI).

Course Fees: \$35

BCN4612: Advanced Construction Estimating

3

Prerequisite: BCN 3611C and All program prerequisites should be completed prior to taking this course.

Description: Advanced techniques for estimating building construction. This course includes direct and indirect cost analysis for complicated construction systems; preparation of bid proposals, specifications, and other related documents. Students will be required to do projects using Excel spreadsheets.

BCN4708: Construction Documents and Contracts

3

Prerequisites: BUL3130 and all program prerequisites should be completed prior to taking this course.

Description: A study of the legal and protective documentation used in the construction field. These documents include contracts, specifications, insurance and bonds. The course also covers risk and contingency evaluation, bidding procedures and other general

office operations.

BCN4709: Construction Project

Management Capstone

3

Prerequisite: BCN3611C, BCN4720, and BCN4708 and senior standing.

Description: This course is a senior capstone experience, providing an opportunity for students to control and coordinate construction projects and personnel in a service learning environment. Students will apply their knowledge and skills in strategic bidding and estimating, ethical conduct, project delivery methods, value engineering, design/build, and customer relations and communication.

BCN4720: Construction Project Planning and Scheduling

3

Co-requisites: BCN 3782 The application of the critical path method and program evaluation review technique to construction planning, scheduled vs. actual job expenditures, cost forecasting, development of unit prices from field data.

BCN4730: Construction Safety

3

Prerequisites: Prerequisites: All program prerequisites should be completed prior to taking this course.

Description: This course will examine topics in construction safety and human factors in construction. Topics covered will include: current construction safety issues and concerns, safety requirements and procedures, accident causation theories, ethics in safety, workers compensation law, accident reporting, handling stress in the workplace, preventing violence in the workplace, safety programs and policies and promoting and enforcing safety on the jobsite. Additional topics will include: ethics in management, human behavior in the workplace, leadership, management of jobsite personnel, stress management on the jobsite and preventing violence in the workforce and diversity in the workplace. The OSHA course for 30 hour construction training will also be included in this course.

BCN4751C: Housing and Land

Development

3

Prerequisites: All Program Prerequisites should be completed prior to taking this course. This course is an elective class for students preparing for careers in residential construction. Students learn a broad perspective of the technical knowledge and skills or methods related to residential construction projects. This course prepares students to apply the latest in residential construction technologies.

BCN4753: Construction Finance and Cost

Controls

3

Prerequisite: All program prerequisites should be completed prior to taking this course.

Description: Students in this course examine the financial environment of a contracting company. They study the financial impact of decisions made at all levels in the contracting firm including comparative cost analysis. Students also analyze the process, practice, and theory of cost controls. Students compare financial and cost control management techniques and the effect of these practices on the firm in relation to profit, profit margin, cash flow, bidding, capital equipment, procurement practices and budgeting. The course also covers the nature of construction costs, funding sources and arrangements, and capital requirements.

BCN4758: Advanced Residential

Construction

3

Prerequisite: BCN 4751C

Description: This is the second course in a two-course elective track for students preparing for careers in Residential Construction. Advanced Residential construction process and topics regarding the build environment will be covered.

BCN4775: International Construction

3

Prerequisite: All program prerequisites should be completed prior to taking this course. Students in this course examine the problems that arise in construction when construction firms conduct business across national boundaries. They study major issues and practices in international construction and do an

intensive analysis of the process, practice, theory in international construction and compare construction systems used. The students also analyze the effect of international construction on firms and the impact that globalization is having on the construction industry and the environment.

BCN4900: Directed Individual Study

v. 1-3

This course provides BCM students the opportunity to study advanced construction topics, experience an international trip to study other culture's buildings and construction methods or participate in a BCM applied research program.

BCN4944: Construction Management

Internship

3

Prerequisite: Permission of instructor.

Description: Students must apply to internship at least one month prior to the semester they will register for internship. The course is designed as a culminating experience in construction management, this course allows the student an opportunity to practice acquired knowledge under careful observation and in cooperation with an experienced construction manager.

BCN4956: Study Abroad in Construction

Management

3

Prerequisite: Permission of the instructor Students will study a country's construction practices, with a particular emphasis on the specific interest of the class. During this course, the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the difference between construction in the U.S. and construction in that country; and learn about the current issues facing that nation and the state of the construction industry. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work. May be repeated up to 9 credits.

Undergraduate Courses

Education & Human Services

EDG2931: Special Topics

v. 1-3

Variable title and hours.

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Undergraduate Courses

Ldrship, Sch Counsel, Spt Mgmt

EME2040: Introduction to Educational Technology for Learning Professionals

3

Description: Students will learn the application of instructional design principles for the use of technology to enhance the quality of teaching and learning in the classroom. The course includes hands-on experience with educational media, emerging technologies, and hardware, software, and peripherals for the personal computer as well as data-driven decision-making processes. Students also learn the identification of appropriate software for classroom applications, classroom procedures for integrating technologies with emphasis on legal and ethical use, and effective instructional strategies for teachers and students in regard to research, analysis, and demonstration of technology. Students will be provided an overview of the Florida Educator Accomplished Practices, Sunshine State Standards, the Professional Educator Competencies, and the National Educational Technology Standards.

EME3044: Issues and Trends in Educational Technology

3

Description: Introduces the field of educational technology and its history and allows an exploration of current topics and trends in educational technology research and application.

Repeatability: The course may be repeatable up to 9 credits.

EME3045: Technology Tools and Skills for Effective Communication

3

Description: This course provides learners with strategies and applications for communication tools which support learning design systems, including organizational practice for eLearning communication. Course content focuses on a variety of methods

in which many organizations integrate communication tools as a way of sharing information. This course requires students to use and apply technology tools for training and development purposes, including (but not limited to) cloud-based sharing, learning management systems, social media and beyond. Writing design elements will also be highlighted to demonstrate best writing practices and strategies for accessibility and effective communication.

EME3047: Technology Tools and Skills for Effective Presentation

3

Description: This course provides learners with strategies and applications for designing learning to organize, structure, create and present effective and engaging presentations for training and education. Course content focuses on a variety of methods in which many organizations integrate presentation tools as a way of sharing information. This course requires students to develop effective and persuasive uses of presentation software in the teaching/training environment, including (but not limited to) PowerPoint, Keynote, Google Presentation, Prezi, Knovio, and beyond. Design elements will be highlighted to demonstrate best strategies for designing presentations for accessibility and design value.

EME3048: Designing for Learning Platforms

3

Description: This course provides an overview into the various styles and platforms which may be leveraged for learning. Styles may include face-to-face, blended, online, hybrid and flipped as well as the various technology tools which support these learning platforms. Students develop learning objects which can be integrated on these various platforms as well as identify when best to apply each platform for effective learning environments. Learning design tasks for this course will also include task analysis, measurable performance objectives, lesson designs, and course material development.

ETE4344: Special Methods in Technology

Education

3

Description: This course offers instruction in teaching methods, devices, and techniques specific to the instructional area. This course teaches lesson plans, curriculum frameworks, program standards; competency-based program organization, selecting and preparing instructional materials; organization and management of the technology education classroom and laboratory.

LDR2220: Community Organizing for Educators and Activists

3

Description: This course is built on exploration of the history of social and political community change efforts and movements; the methods and tools used in these efforts; and the possibilities for us to reimagine these approaches to organize in our own communities. This exploration will include the voices of local activists and organizers and is both theoretical and experiential, situated around touchstone questions: What concepts, theories, and assumptions drive methods for political and social change? How can community organizers show fidelity to these concepts, theories, and assumptions? How can we work together to identify and marshal individual and shared gifts for just and equitable communities? To explore these questions, we will use engaging pedagogies, including circles, the arts, and learning exchanges to honor our differences including race, class, gender, sexuality, by openly examining the relative privilege and power inherent in them.

LDR3003: Introduction to Leadership

3

Description: The course introduces participants to the major theories of leadership and their application in personal and professional settings. Participants engage in self-reflective and applied learning activities that allow them to draw upon their personal characteristics and experiences to make connections between class work and their own developing leadership style.

LDR3320: Collaborative Leadership

3

Prerequisite: LDR 3003

Description: The focus of this course is on leadership within the context of small work groups and self-directed project teams and their role and functions within organizations. The purpose of this course is to teach students how to collaborate effectively in dynamic environments. Leaders who are able to work collaboratively and lead across cultures and disciplines from business to educational environments are essential to high performing organizations. Collaborative leadership knowledge and skills have become a necessity to enable emerging leaders to transcend differences to build organizations and teams of committed workers.

LDR3367: Facilitation

3

Description: This elective class is for students who have been selected as facilitators for the Honors First Year Colloquium class. The class has been designed to teach students some theoretical material about leadership and facilitation and apply that material in weekly breakout sessions. The first hour of class will prepare facilitators for each breakout session on a weekly basis tailored specifically to the materials and assignments that will be relevant to that week's lessons. The second hour will explore leadership more generally, including relevant leadership theory, principles of facilitating discussion, and communication and conflict resolution skills.

Availability: One semester per year

LDR3900: Directed Independent Study

v. 1-6

Prerequisite: LDR3003 and Instructor permission is required

Description: Under the direction of a faculty member, the student will study a special leadership topic throughout the course of a semester. The class may be repeated for a maximum of six credit hours.

LDR4263: Leadership Practicum

3

Prerequisite: LDR 3003 and LDR 3320 or LDR 3240 or SOP 3515, one secondary elective and permission of Taylor Leadership Institute

Description: This is the culminating course for the Leadership

Minor. The course is normally taken during the student's final term in residence at UNF prior to graduation. Students hone their leadership style through review of leadership theory and reflection on their current and prior co-curricular activities. Examples of co-curricular activities include on-campus and off-campus activities, employment, volunteerism, community service, internships, study abroad experiences, and other forms of community-based learning. Students reflect on their experiential learning about leadership through dialogue and ongoing reflective practice. Required activities also include written reflections of co-curricular activities and a delivery of a Leadership Capstone Presentation.

LDR4340: Resource Development in Community Organizations

3

Description: This course is designed to address the needs of all types and sizes of non-profit organizations, from small religious groups and community social services agencies to major cultural institutions, colleges and universities. Students will be actively engaged in the processes of developing and managing resources, volunteers, legal issues, and governance issues for non-profit agencies.

LDR4368: Senior Facilitation

3

Description: This elective class builds on the skills gained from Facilitation class. It prepares students on a weekly basis for each week's breakout session. Senior facilitators will take a leadership role in the discussion of the theoretical material. They will mentor new facilitators in techniques of facilitating discussion. They will deliberately apply the communication and conflict resolution techniques. They undertake an independent senior facilitation project that will add something to the Colloquium class or the community of facilitators. The first hour of class will prepare facilitators for each breakout session on a weekly basis tailored specifically to the materials and assignments that will be relevant to that week's lessons. Leadership theory, principles of facilitating discussion, and communication and conflict resolution skills will be addressed. Each senior facilitator will meet one-on-one with the instructor to discuss his or her senior facilitation project.

Availability: One semester per year

**LEI3004: Introduction to Recreation,
Tourism, and Events** **3**

Description: This course is designed to present a foundational overview of sports as a critical component of the US travel and tourism industry; particularly at the collegiate, amateur, youth and recreational levels. It will offer students a perspective on sports tourism as an economic engine and its importance to the economic development efforts of communities large and small. Students will rely on the totality of their sport management skills, garnered from other sport coursework, in order to understand and ultimately implement the role of the sports travel executive as well as the multitude of executive and management roles within the sports travel and tourism industry.

Availability: One semester per year.

LEI3266: Outdoor Adventure Education **3**

Description: This course includes education in teaching leadership and programming skills in outdoor adventure, including hiking, camping, backpacking, kayaking, canoeing, basic survival skills, orienting skills, group dynamics, safety, risk management, accessibility, and environmental ethics.

Availability: One semester per year.

**LEI3341: Commercial Recreation and
Tourism** **3**

Description: This course is designed to introduce the concepts, principles, and practices of commercial recreation and tourism.

Availability: One semester per year.

**LEI3438: Intramural and League
Management** **3**

Description: A study of the management, programming and

supervision of intramural and sport tournament/leagues in the leisure services delivery system. Areas of focus will include the knowledge, skills, and understanding required of the professional re-creator involved in the programming and administration of special events and sport tournament/leagues in agencies, institutions, industries, and communities.

Availability: One semester per year.

PEL1121: Golf **1**

Skill technique, club selection and match strategy instruction and performance in golf. A range/rule book fee of \$33 is necessary for participation and is payable by check (made out to UNF Hayt Golf Learning Center/Golfplex).

PEL1341: Tennis **1**

Skill technique and game strategy instruction with performance in tennis.

PEL1621: Basketball **1**

The course provides for instruction and practice to learn/improve basic basketball skills as well as knowledge of the strategies and rules for basketball.

PEL2905: Selected Sports Activities:

Variable Title **v. 1-3**

An introduction to the basic skills and strategies utilized in selected individual/dual and team sports. May be repeated up to 16 credits.

PEM1104: Physical Conditioning **1**

Instruction in health-related fitness prescription and evaluation with performance and personal assessment in walking, jogging, rope jumping, or fitness trail exercise.

PEM1131: Weight Training **1**

Instruction in health-related fitness prescription and evaluation with performance and personal assessment in weight training

involving Nautilus/universal machines.

PEM2121: Yoga Mindful

3

Description: Explore the ancient world of yoga from its origins and through its evolution to the modern world. Learn the fundamentals of a mindfulness practice in a supportive academic environment. Implement the basic techniques of yoga including: physical postures, breath work, and meditation. Experience multiple styles of practice over the semester. Discover a powerful personal development tool to carry with you for the rest of your life.

PET3473: Communication in Sport

3

Description: Students in this course will gain a basic knowledge and understanding of the principles of communication in sport as applied to the sport industry. Emphasis is on both traditional and innovative communication methods available to sport organizations.

PET3493: Issues in Sport

3

Description: This course includes a study of the major social and ethical issues relating to sport. The course revolves around in-depth discussions among athletes, academics, coaches, administrators, doctors, lawyers, and business people concerning issues in sport. Students will encounter unique descriptive accounts which depict how sports actually affect individuals, organizations, institutions, and society. Philosophical, socio-cultural, and technological issues are also a part of the learning agenda in the course.

PET4416: Theory and Practice of Fitness Management

3

Description: This course provides students with an in-depth, practical approach to understanding the operations and management functions associated with fitness facilities and the fitness industry. Facility operations, management, staff

development, human resource practices, member recruitment and retention, and other topics will be examined.

PET4464: Sport Finance

3

Description: Students in this course will gain a basic knowledge and understanding of the principles of sport finance as applied to the sport industry. Emphasis is on both traditional and innovative revenue acquisition methods available to sport organizations.

PET4476: Sport Law

3

Description: This course is designed to be an overview of the legal issues most often encountered in sport and physical activity. The course content will include an emphasis on tort, contract, and selected areas of constitutional, statutory, contract, labor, and commercial law. Students will become aware of the rights of participants, athletes, coaches, managers, teachers, referees and others engaged in amateur and professional sport. Legal issues related to sport clubs, schools and organizations in which the principal events involve physical activity will also be addressed. Precedent-setting court decisions will be explained and will serve as a guide for students in creating risk management systems.

PET4910: Directed Individual Study

v. 1-3

The student will select a physical education project and conduct research and field experiences under the guidance of a faculty advisor. May be repeated up to 16 credits.

SPB3603: Diversity in Sport

3

Description: This course will examine the impact and role of ethnicity, gender, and disability on sport and sport organizations. This process will include investigating how sport diversity has affected social class, sport participation and sport spectatorship. The sport industry is so diverse we will cover the professional sport teams, intercollegiate athletics, national governing bodies (NGBs), recreational and leisure settings, municipal sport settings, fitness sport; and non-profit entities (YMCA, YWCA, and others).

SPM2000: Introduction to Sport

Management

3

Description: This course is designed to provide students a foundation in the field of sport management. It is an introductory course designed to generate interest and understanding in continued study of the sport industry. Students will have the opportunity to meet and interact with various sport management professionals in the local community and have the opportunity to network in the sport industry.

SPM3044: Governance and NCAA

Compliance

3

Description: Students will learn the structure and function of the various sport organizations. There will be significant focus on the National Collegiate Athletic Association (NCAA) which is the biggest governing body in collegiate athletics. This course challenges students to integrate management theory with governance and policy development practices. Case studies are incorporated so that students are able to utilize the concepts taught in the course.

SPM3104: Sport Facility Management

3

Description: This course was designed to provide students the fundamental skills of sport facility management. Students will benefit from the real-world examples and detailed assessment of the various facility management issues. Some of the facility management issues covered are facility design, facility planning, event administration, marketing and sales, security planning, and risk management.

SPM3180: Developing the Student Athlete

3

Description: The Developing the Student-Athlete course provides students with tools to learn how to navigate the demands of higher

education and one's professional life after college. Students will learn about self, the community, and the world through various learning experiences. Student-Athletes at the Division I level face unique demands including but not limited to time spent engaged in their sport, traveling, academic regulations from the National Collegiate Athletic Association which typically exceed that of the traditional student and other pressures.

SPM3306: Sport Marketing

3

Description: This course is designed to provide students a basic knowledge and understanding of the principles of sport marketing as applied to the sport industry. Emphasis is on critical analysis in sport marketing management theory as it applies to the sport industry.

SPM3948C: Sport Management Practicum

3

Prerequisite: Department Permission

Description: Participation in the practicum provides students an introduction to the sport industry through structured field experience in a professional sport organization. Site examples include (but are not limited to) college recreation or athletic programs, community recreation agencies, sport businesses, sport facilities, amateur athletic organizations and/or professional sports teams. Students are required to fulfill a minimum of 70 hours of work at a pre-approved site in addition to completing reflective and career development activities.

SPM4113: Managerial Leadership in Sport

3

Description: This course provides an analysis of sport management pertaining to various levels of sport organizations. The theoretical underpinnings of management of athletic organizations, concepts of planning, organizational structure, human resource management, and leadership theory will be discussed.

SPM4516: Development and Fundraising in Sport

3

Description: This course is designed to provide a comprehensive overview for fundraising, donor relations, non-profit, and sport-related sales professions. This course will provide broad exposure to the nonprofit sector, with specific focus within the sport context. Students will develop an understanding of the essentials of fundraising operations and examine larger issues confronting today's fundraising managers. Topics will include: an overview of philanthropy and its importance in today's world; characteristics of nonprofit organizations and their differing fundraising needs and systems; motivations for giving; ethical concerns; prospect research; types of funding sources; planning; capital campaigns; annual giving; communications; grant proposal writing; solicitation techniques; the increasing impact of global philanthropy; digital fundraising; donor relations and retention; and the importance of donor research and analytics in the resource development process.

SPM4703: Sport Business Analytics

3

Prerequisite: STA 2023

Description: This course is designed to help students develop and apply analytical skills that are useful in a general business environment, applied specifically to sports. Students will learn how to apply methods and principles in a wide range of applications: evaluating performance and decision making, hypothesis testing, interpreting market-based evidence, identifying directions of causation, and quantifying the magnitude of various effects. The course focuses on applications in the sport context and uses approaches that are rapidly becoming important in the business of sports analytics. This course provides hands-on experience in data visualization and introduces students to design principles for creating meaningful displays of quantitative and qualitative data to facilitate decision-making. The principles we aim to impart on students, taught through the lens of sports, will be useful in addressing many business-related issues, even outside of sports.

SPM4941: Sport Management Internship

12

Description: This course is the culminating experience for sport management majors. Students develop practical and leadership skills in a pre-approved professional settings including (but not

limited to) college recreation or athletic programs, community recreation agencies, sport businesses, sport facilities, athletic amateur organizations and/or professional sports teams. Students are required to complete a minimum of 400 hours of work at a pre-approved site and complete a portfolio, presentation, project for organizational improvement, and reflective and career development activities.

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Undergraduate Courses

Except, Deaf & Interpreter Ed.

ASL2140: American Sign Language I

4

This course in American Sign Language is designed to teach basic conversational skills in ASL and an awareness of various aspects of deafness. This course will present the student with the structure, some conversational vocabulary and grammatical principles of American Sign Language. Students will learn the historical, cultural, and social aspects of deafness.

ASL2150: American Sign Language II

4

Prerequisite: ASL 2140 ASL II is designed to continue development of conversational skills in American Sign Language. Students will use the vocabulary and skills that they learned in ASL I as support for new vocabulary and skills that they will learn in ASL II. The course will focus on grammar and syntax, vocabulary, and culture of the Deaf.

ASL3226: Advanced ASL Proficiency

3

Prerequisite: ASL 4211

Description: This course is designed to refine expressive and receptive ASL skills with complex and dense message content. Students will develop increased linguistic fluency and application of cultural knowledge in spontaneous discussions, formal debates on current topics, and rehearsed presentations. Emphasis is placed upon natural language use in dialogues and monologues, concept clarity, accurate visual description, advanced vocabulary development, argument cohesion, and language construction that incorporates appropriate transitions and conversation markers.

ASL3301: ASL Structure

3

Prerequisites: ASL 2140 ASL I with a grade of "C" or better. This course examines the linguistic structure of American Sign Language. Students examine the phonological, morphological, semantic, syntactical, idiomatic, and metaphorical aspects of American Sign Language. Current research in the field is

examined and discussed.

ASL3435: Fingerspelling and Numbering

Systems in ASL

3

Prerequisites: ASL 2140 ASL I with a grade of "C" or better. This course provides instruction in the rules of fingerspelling and numbering systems in American Sign Language. Students will practice both expressive and receptive skills at varying levels of complexity.

ASL3514: Deaf Culture

3

This course is an introduction to deaf culture and examines both the emergence of the deaf community as a linguistic and cultural group and the history of American Sign Language. Students will study cultural norms, values, traditions, and rules of social behavior of the deaf community, as well as minority dynamics and cross-cultural interactions.

ASL4131: American Sign Language III

3

Prerequisites: ASL 2140 and ASL 2150 This course, a continuation of American Sign Language II, will emphasize the continued development of advanced sign vocabulary, compound complex grammatical constructions, usage and the development of advanced receptive and expressive conversational American Sign Language skills.

ASL4205: Methods of Teaching ASL- English Bilingual Deaf and Hard of Hearing Students

3

Prerequisite: ASL4131

Description: ASL4205 Methods of Teaching ASL-Bilingual DHH Students is designed to continue development of skills in American Sign Language. Students will use the vocabulary and the skills that they learned in ASL courses as a foundation while they further explore the linguistic structure of ASL. This course is also a preparatory course for internship. The content of the course will focus on linguistic competence and metalinguistic awareness of both ASL and English. Students will develop their own

knowledge of ASL and English, while also learning instructional strategies used to develop student knowledge of ASL and English. During the class, time will be devoted to both skill and strategy development and an understanding of current research and literature concerning sign language in education.

ASL4211: American Sign Language IV **3**

Prerequisites: ASL 2140, ASL 2150 and ASL 4131 This course, a continuation of American Sign Language III, will emphasize the continued development of advanced sign vocabulary, compound complex grammatical constructions, usage and the development of advanced receptive and expressive conversational American Sign Language skills. The linguistic structures of American Sign Language will also be studied.

ASL4324: Advanced ASL Discourse **3**

Prerequisite: ASL 3226 Advanced ASL Proficiency This course is designed to introduce the process of discourse analysis and enhance students' competency in ASL and interpreting by applying the process to interpreting. Students will also practice the use of ASL in a variety of discourse settings. Focus will be on the analysis of discourse in ASL and English.

ASL4602: Methods of Teaching American Sign Language **3**

Prerequisite: ASL 2140, ASL 2150, ASL 4131, ASL 4211, ASL 3301, ASL 3435, and ASL 3514

Description: This course is teaching methods for primary and second language learners are identified and analyzed. Students will then develop and implement classroom methods and strategies for language teaching as well as their own teaching philosophy based on their supporting empirical research.

ASL4603: First and Second Language Acquisition **3**

Prerequisite: ASL 2140, ASL 2150, ASL4131, ASL 4211, ASL 3301, ASL 3514 and ASL 3435

Description: This course introduces students to the acquisition of a native language and the acquisition of a second language after

childhood. The primary focus of this course is the acquisition of natural sign languages. The first part of the course covers typical development and important milestones in phonology, morphology, the lexicon, syntax and pragmatics. The second part of the course covers the acquisition of sign language as a second language and relevant frameworks. The course also covers issues surrounding positionality of second language signers and language ownership. Application of concepts from lectures and reading is encouraged through the collection and analysis of L1 and L2 data.

ASL4702: American Sign Language

Literature

3

Prerequisite: ASL 2140, ASL 2150, ASL 4131, ASL4211, ASL 3301, ASL 3435, AND ASL 3514

Description: This course is an introduction to the American Sign Language literature. Students will study the various genres of ASL Literature to include narratives, poetry and storytelling methodology. The differences between genres of ASL Literature are examined. This course will include various levels and situations of simple to complex ASL stories. Diverse ASL storytellers will be explored and discussed on the impacts it has on ASL Literature and the Deaf community. This course is taught in ASL only.

EBD3011: Nature and Needs of Emotionally

Handicapped Learners

3

A survey of the characteristics of emotionally handicapped learners and their educational needs, focusing upon etiology, prevention, intervention models, and utilization of community resources.

EBD4212: Behavior Management

Techniques for Use with Emotionally

Handicapped Learners

3

This course prepares teachers of the handicapped with behavior management techniques for use with emotionally handicapped students. The emphasis is on the application of theories, crisis intervention, prevention, legal considerations and counseling skills.

EBD4231: Specialized Curriculum for Emotionally Handicapped Learners **2**

Prerequisites: EEX 3202 and EBD 3011. A survey of curriculum and curricular modifications appropriate for emotionally handicapped learners. Focus on specialized curriculum development, and the identification, evaluation, modification and use of commercial materials and programs in the areas of the affective and academic curriculum.

EBD4243: Instructional Strategies for Students with Emotional Handicaps **2**

Prerequisite: EBD 3011. This course addresses instructional strategies for teaching students with emotional handicaps to include instructional techniques and motivational strategies; the development, implementation, and evaluation of individualized educational plans; and data based management. Field experience required.

EDF3947: Field Laboratory 3 **v. 2-4**

Description: Continuation of supervised, structured field experiences in selected schools designed to assist in the acquisition of the accomplished practices required by Florida State Board of Education Rules. Weekly seminars are held to augment and reinforce the field experiences.

EDG2000: Career Planning and Professional Success **3**

Description: This course involves self-assessment activities (looking at skills, interests, values, and personality characteristics as they relate to career choice), career decision-making, career exploration, and introducing the necessary employability skills (i.e. resume writing, networking, interviewing, and job search) to obtain and keep a job once a choice has been made. The basic purpose of this course is to provide an opportunity for students to develop the necessary skills in all areas of career development. This course is focused on helping undergraduate students understand

who they are at this point in their careers and lives, to explore multiple career options, make important career decisions, and to implement their career plans.

EEX3004: Disability and Community

Support Agencies

3

Prerequisite: EEX 3005

Description: this course will include models of practice and delivery found among agencies and organizations for individuals with disabilities. Students will have the opportunity to spend field hours in an agency or organization and reflect on their practice within that entity. Students will develop and present a practice or plan based on evidence-based practices that would enhance or increase effectiveness within an agency.

EEX3005: Introduction to Disabilities

3

Description: This course provides an overview of the characteristics and needs of individuals with disabilities, and it is the initial course for students who want to pursue a minor in Disability Services. Students will interact with individuals with disabilities, discuss strengths-based strategies, and learn about typical barriers that individuals with disabilities face in society.

EEX3070: Inclusion of Individuals with Disabilities

3

Prerequisite: EEX 3005 or EEX 3202

Description: Students will be introduced to the concept of inclusion in families, schools, and communities for individuals with disabilities. Students will explore models of inclusion, laws that require inclusion, and barriers to inclusion. The students will participate in a field experience in a community agency or organization that serves individuals with disabilities and will design a project to include an individual more fully in a school, place of employment, or community.

EEX3202: Psychology and Sociology of Learners with Exceptionalities

3

Prerequisite: EDF 2085

Description: This course focuses on the study of psychology and sociology of individuals with exceptional learning needs. It examines learners with exceptionalities in terms of cognitive, affective and psychomotor characteristics and their functioning within families, schools, and society. Issues investigated include instructional methods, and legal rights of students, parents, and educators. Emphasis is placed on special education in inclusive settings. Field observation may be required.

EEX3250: Reading Methods for Learners with Exceptionalities

3

Prerequisite or

Co-requisite: EEX 3202 and EEX 4101

Description: This reading methods course focuses on the principles of scientifically-based reading research as the foundation of comprehensive reading instruction. The assessment and development of the major components of phonemic awareness, phonics, fluency, vocabulary, and comprehension are discussed. Included in this course is the development of standards-based lessons and strategies for differentiating instruction to accommodate diverse learners. The purpose of the course is to prepare pre-service teachers to teach reading to students with a wide range of abilities, including those who are also English Language Learners. Field experience is required.

EEX3252: Language Arts for Learners with Exceptionalities

3

Description: This language arts methods course focuses on the assessment and development of written expression, handwriting, and spelling for learners with exceptionalities. Included are strategies for teaching writing vocabulary, syntax and grammar, and writing mechanics. Methods for teaching the writing process and the different writing genres are explored. The development of standards-based lessons and strategies for differentiating instruction to accommodate diverse learners are integrated throughout. The purpose of the course is to prepare pre-service teachers to teach language arts to students with a wide range of abilities, including those who are also English Language Learners. Field Experience is required.

EEX3253: Teaching Students with Exceptionalities in Secondary Education

Content Areas

3

Description: This class will provide opportunities to explore and demonstrate teaching strategies for students who have exceptionalities and are enrolled in content classes in secondary education. Foci of the class include inclusion of students with exceptionalities, nature and needs of students with exceptionalities, accommodations, modifications, learning strategies, differentiated instruction, individualized instruction, and universal design for learning.

EEX3488: Teaching Students with Exceptionalities in Secondary Education

Content Areas

3

Description: This course will provide opportunities to explore and demonstrate teaching strategies for secondary education students who have exceptionalities. Foci of the course include inclusion of students with exceptionalities, nature and needs of secondary education students with exceptionalities, accommodations, modifications, learning strategies, differentiated instruction, individualized instruction, and universal design for learning.

EEX3754: Impact of Disabilities on Families, Schools, and Communities

3

Prerequisite: EEX 3005

Description: In his course students will identify and investigate the positive and challenging impacts that a disability has on individuals with disabilities, their families and friends, their educational pursuits, and their inclusion in communities. Students will complete interviews with individuals and their stakeholders to uncover strengths, obstacles, hopes for the future, and other ideas and impression that may impact individuals with disabilities.

EEX4024: Disability Laws and Policies

3

Prerequisite: EEX 3005

Description: This course will include laws and policies that directly and indirectly impact persons with disabilities. Students will investigate case studies and analyze them to uncover the implications for individuals with disabilities, caretakers, families, school personnel, higher education personnel, and agency personnel. Class discussions will include laws, policies, regulations, and disability case law.

EEX4101: Language Development and

Disorders

v. 2-3

This course addresses language development and learning, to include language development and disorders, the impact of language on learning, and augmentative communication. Field experience required.

EEX4201: Pre-Kindergarten and Primary

Children with Exceptionalities

3

This course studies the developmental variations in young children that affect their cognition, mobility, social-emotional development, and speech and language development. This course includes procedures for screening, assessing, and placing children with special needs in appropriate educational settings, strategies for parental involvement, and development of appropriate curriculum, methods, and materials for teaching children in inclusive settings. Field experience required.

EEX4221: Educational Assessment for

Learners with Exceptionalities

3

Prerequisite or

Co-requisite: EEX 3202 or its equivalent

Description: This course focuses on the acquisition of knowledge and skills in assessing learners with exceptionalities. It provides a survey of the knowledge base related to assessment in special education, including formal and informal tests and measures. It includes special emphasis on teacher prepared curriculum-based assessment and related assessment processes and procedures for learners with special needs.

EEX4255: Curriculum and Individualized

Planning for Learners with Exceptionalities 3

Prerequisite: EEX 3202 and EEX 4221

Co-requisite: EEX 3202

Description: This course focuses on the characteristics and the educational needs of students with disabilities. Instruction in the development of Individualized Education Programs (IEPs), unit planning, and lesson planning is provided. Attention is given to how to incorporate the accommodations and modification for students with disabilities into units and lessons. This course includes the use of technology in curriculum planning. The relationships among planning, teaching, learning, assessment, and reflection are discussed. Field experience may be required.

EEX4270: High-Leverage Practices for

Exceptional Learners 1 3

Description: The purpose of this course is to provide teacher candidates with: a) knowledge about curriculum and instruction for students with disabilities; b) understanding and developing Individualized Education Plans; and (c) opportunities for experience and application of instructional strategies across a variety of classroom contexts and settings; Teacher candidates will explore strategies through reading literature, writing, reflecting, experimenting, and sharing their work in a collaborative setting. Teacher candidates will come to understand the importance of using individualized, evidence-based instructional practices for teaching students with disabilities.

EEX4271: High-Leverage Practices for

Exceptional Learners 2 3

Description: The purpose of this course is to provide teacher candidates with: a) knowledge about instructional strategies for students with moderate/severe disabilities and transition-age students with disabilities; b) understanding and developing Transition Plans; and (c) opportunities for experience and application of instructional strategies and high leverage practices across a variety of classroom contexts and settings; Teacher candidates will explore strategies through reading literature,

writing, reflecting, experimenting, and sharing their work in a collaborative setting. Teacher candidates will come to understand the importance of using individualized, evidence-based, and high-leverage practices in teaching students with disabilities.

EEX4272: High-Leverage Practices for Exceptional Learners 3

3

Description: The purpose of this course is to provide teacher candidates with: a) knowledge about instructional strategies for students with all disabilities; b) understanding how to teach students with all disabilities in inclusive settings; and (c) opportunities for experience and application of instructional strategies and high leverage practices across a variety of classroom contexts and settings; Teacher candidates will explore strategies through reading literature, writing, reflecting, experimenting, and sharing their work in a collaborative setting. Teacher candidates will come to understand the importance of using individualized, evidence-based, and high-leverage practices in teaching students with disabilities.

EEX4281: Career Development and Transition for Learners with Exceptionalities

3

Prerequisite or

Co-requisite: EEX 3202

Description: This course focuses on the acquisition of knowledge and skills for developing individual transition plans for learners with exceptionalities. This course covers evidenced-based interventions and methods using a coordinated set of activities for individuals with disabilities that is designed within a results-oriented process on improving academic and functional achievements of the individual with a disability and to facilitate the movement from school to post-school activities.

EEX4345: Introduction to Inquiry and Assessment

3

Description: The purpose of this course is to provide teacher

candidates with: a) knowledge about teacher inquiry and assessment; b) opportunities for experience using inquiry skills and assessment practices; and c) a foundation for implementing reflective, systematic, and thoughtful inquiry into classroom practice. Teacher candidates will explore relevant classroom practice issues through writing, reflections, experimenting with teacher inquiry strategies, and sharing their work in a collaborative setting. Through the critical reading of teacher inquiry studies and experimentation with teacher inquiry strategies, teacher candidates come to recognize the value of inquiry and assessment as a way to make more informed decisions about practice.

**EEX4474: Teaching Students with
Moderate to Severe Disabilities**

3

Prerequisite: EEX 3202

Description: This course is designed to introduce students to instructional approaches and strategies for students with moderate to severe disabilities. It focuses on understanding and applying proactive strategies in the areas of communication, functional living and academic growth, and behavioral, social, and affective growth. Field Experience required.

**EEX4484: Math and Science for Learners
with Exceptionalities**

3

Prerequisite: EEX 3202

Description: This course is designed to give students the opportunity to learn about pedagogy and curriculum for teaching math and science to learners with Exceptionalities. Students will be introduced to instructional skills in the areas of assessment, planning, implementation, and evaluation as they relate to teaching math and science. In addition, students will be able to practice many of the technical skills needed to prepare instructional materials for the classroom. May require field experience.

**EEX4604: Classroom and Behavior
Management**

3

Description: In this course, candidates are being prepared to impact the lives of children by the acquisition of knowledge and skills in behavior and classroom management and applying such knowledge and skills to learners with exceptionalities. This course provides teacher candidates with an opportunity to: (1) design, manage and maintain safe school and classroom environments conducive to learning; (2) implement teaching and intervention strategies derived from theory and best practice specifically designed to improve appropriate desirable behaviors and reduce behaviors that detract from the learning process; (3) analyze the relationship between behavior and environmental antecedents and consequences; (4) examine and apply how manipulations in environmental variables can increase appropriate behavior and decrease inappropriate behavior; and (5) explore legal and ethical issues related to managing student behavior.

EEX4616: Classroom Management of Learners with Exceptionalities

3

Prerequisites: EEX 3202 and EEX 4604. This course is designed to help students in developing a personal philosophy of classroom management. This course explores several theories of classroom management and emphasizes strategies that are designed to meet the needs of children with exceptionalities. Students will learn how to (a) design, manage, and maintain safe school and classroom environment conducive to learning, (b) implement teaching strategies derived from theory and best practices, and (c) complete a classroom management plan and philosophy of education.

EEX4753: Cooperative Consultation in Exceptional Student Education

3

Prerequisite: EEX 3202 This course will focus on the acquisition of knowledge and skills in communication, collaboration, and consultation and application of such knowledge and skills to interactions special educators have with general educators, administrators, parents, agency personnel and other stakeholders in the lives of individuals with disabilities. Students will examine specific techniques, related media, and experiences designed to equip special education teachers with skills to collaborate with school and community professionals and families to provide a necessary range of services to students.

**EEX4779: Disability, Employment, and
Community Engagement****3**

Description: This course will cover aspects of the community, work and postsecondary education experience for individuals with disabilities who have transitioned from secondary education to adult settings. Potential concerns of employers, co-workers and friends will be addressed to support the transition of individuals with disabilities. Effective practices will be discussed that foster accepting and supporting environments thus ensuring successful life outcomes.

**EEX4794: Educating Urban Students with
Diverse Learning Needs****3**

This course considers the social, cultural, economic, and political factors that influence urban education. As examples, it explores the ways in which immigration, race, poverty, employment, housing, teenage pregnancy; substance abuse, shifting community demographics, and neighborhood violence have become inextricably entwined with urban education. It emphasizes the strengths and weaknesses of traditional classroom-based models as well as alternative community-based models. Some of the historical, recent, and emerging models that will be discussed rely on families, places of worship, and community organizations. This broad and eclectic course is designed for all college students, including those who never have enrolled in professional education courses.

EEX4861: Internship**v. 3-12**

Prerequisite: Completion of requirements prescribed on student's program of study.

Description: Teaching competencies are demonstrated under the observation of a cooperating master teacher in the student's major field.

Repeatability: May be repeated up to 24 credits.

Course Fees: \$36

EEX4905: Individual Investigation and

Study**v. 2-3**

Prerequisite: Permission required. A course which permits the student to investigate selected topics in a specialized area. May be repeated up to 15 credits.

EEX4930: Seminar in Exceptional Student**Education****v. 1-3**

Prerequisite: Permission of instructor. A seminar designed to equip special education students with the knowledge and skills necessary to effectively apply research findings in their areas of study. May be repeated up to 6 credits.

EHD3941: Deaf Education Field Practicum I**3**

Description: This field-based course will provide deaf education students an opportunity to observe and instruct students who are deaf or hard of hearing in a variety of settings. Deaf education students will interact with students and observe both their culture and use of language. This course will consist of periodic meetings to process the observation and field experiences.

EHD4013: Deafness and Diversity**3**

Description: This course is designed to prepare teacher candidates to work students who are deaf and diverse: deaf with disabilities (DWD; e.g., autism, intellectual disabilities) and/or students who are deaf or hard of hearing multilingual learners (DML). Students who are DML come from homes where their caregivers speak a language other than English, nor do they use American Sign Language. This course will address the complex issues and practices that are embedded in the working with families and service providers, identifying resources needed to best meet the needs of the learner, and understanding identification, placement, assessment, and intervention strategies for students who are Deaf and Diverse. Field experience required.

EHD4245: Language and Literacy**Assessment & Instruction for DHH**

Students**3**

Prerequisites: ASL4131.

Description: This course is focused on methods of language development assessment and instruction with deaf or hard of hearing (DHH) children. Students will develop an understanding of typical language development and the effects of hearing loss on the development of language. They will learn about informal and formal assessments of both through-the-air (signed or spoken) and written language and analyze language samples. They will then learn how to use assessments to plan and provide instruction aimed at facilitating the language acquisition and development of DHH students.

EHD4248: Foundation of Literacy**Development Deaf/Hard of Hearing I****3**

Prerequisites: EHD 4311, EEX 4101, EHD 4245 Corequisite: EHD 4249. This course is designed to continue the development of necessary knowledge and skills to understand the development of literacy, through writing, reading, and signing in learners who are deaf or hard of hearing. Issues presented in this course are designed to complement content of the co-requisite course entitled "Foundations of Literacy Development of Students who are Deaf or Hard of Hearing II".

EHD4261: Audiology and Speech Science**3**

Prerequisite: EHD 4311. A study of the physical characteristics of the speech and hearing mechanisms, the physical dimensions of sound, the psycho-acoustic aspects of sounds, and the relationships among these areas. Field experience required.

**EHD4263: Methods of Teaching Listening
and Spoken Language to DHH Students****3**

Prerequisite: ASL 4131

Description: The purpose of this course is to provide learners with the knowledge base to understand instructional methods of teaching deaf and hard of hearing students who use listening and spoken language. The areas to be covered include the anatomy and physiology of speech mechanisms, practical orthographic representations of speech, introductory phonetics and phonology,

functional descriptions of speech sound production, and basic speech acoustics. Learners will also be trained in the assessment of speech, teaching sequence of speech skills, and specific strategies for the elicitation, development, transfer and maintenance.

EHD4270: Deaf Education Field Practicum

III

3

Prerequisite: ASL 2140, ASL 2150 and EHD 4940

Description: This field-based course focuses on working with students who are deaf or hard of hearing who use advanced hearing and listening technologies in a variety of settings; in addition to those students who may not use hearing and listening technologies. Issues and trends related to teaching students with cochlear implants, digital hearing aids, bone-conduction hearing aids, advanced FM systems, and speech to text devices will be discussed. The importance of differentiated instruction and other instructional strategies will be presented. Field hours in a setting with student(s) who are deaf or hard of hearing is required to successfully complete this course.

EHD4290: Differentiating Literacy

Instruction for Deaf and Hard of Hearing

Students

3

Prerequisite: EHD 4245, LAE 3210 and LEA 3211

Description: This is the fourth language & literacy course in the deaf education program. It follows courses in the foundations of language and literacy development including methods, resources, strategies, and assessments for language and literacy teaching and learning. The pre-requisites include EHD 4245 Language and Literacy Assessment and Instruction, LAE 3210 Foundations of Literacy, and LAE 3211 Literacy Instruction & Assessment. This course focuses on differentiating reading and writing instruction for deaf and hard of hearing (DHH) students and requires the application of skills in a field component with DHH students. It will enable teacher of the deaf candidates to assess DHH students using a wide variety of literacy assessments, to identify strengths and opportunities for growth, and to provide targeted instruction and intervention aimed at individual objectives.

EHD4291: Content Area Curriculum &

Instruction for DHH Students

3

Prerequisite: ASL4131

Description: This course is designed to give learners the opportunity to learn about pedagogy and curriculum as related to educating students who are Deaf or hard of hearing. Learners completing this course satisfactorily will be able to plan yearly, monthly, weekly, and daily lessons using a variety of formats. Learners will be introduced to instructional skills in the areas of assessment, planning, implementation, and evaluation. In addition, learners will be able to practice many of the technical skills needed to prepare instructional materials for the classroom. The learner will also be introduced to the development and adaptation of curriculum materials and instructional procedures in reading, mathematics, science, and social studies to fit the unique educational needs of students who are deaf or hard of hearing.

EHD4293: Reading Instruction and Assessment for Students who are Deaf or Hard of Hearing

3

Prerequisite: EHD 4245

Co-requisite: EHD 4940

Description: he course will provide learners with both a theoretical foundation of teaching reading to students with hearing loss and practice experiences. The reading, discussions, and guest lectures will provide learners with practical strategies. Learners will engage in reading instruction with K-12 students to practice skills learned in the university classroom. In this course learners will be able to describe the foundations of reading (i.e., cognition and language development) and implement assessments, including reading inventories. The learners will be able to describe current reading theories and models of reading, describe literacy development of students with hearing loss and plan and implement a literacy program for deaf students.

EHD4311: Psychology and Education of the Deaf

3

An introduction to the nature and needs of students who are deaf or hard of hearing with attention to identification, characteristics, assessment and intervention. The course will include the history

and philosophy of deaf education. Field experience required.

**EHD4904: Independent Study in Deaf
Education**

v. 1-4

Description: This course permits the learner to investigate selected topics in a specialized area (deafness).

EHD4940: Deaf Education Field Practicum

II

3

Prerequisite: ASL2140 and ASL 2150

Description: This field-based course will provide deaf education majors an opportunity to observe and teach deaf and hard of hearing students in a variety of settings. Deaf education majors will interact with deaf or hard of hearing students and observe both their culture and use of language. This course will consist of periodic meetings to reflect on experiences in the field and bridge theory with practice.

**EHD4942: Deaf Education Literacy
Practicum**

3

Co-requisite: EHD 4944

Description: This is the fifth and final language & literacy course in the deaf education program. Students must have completed all of their coursework in the deaf education program excepting this course and its co-requisite. In this culminating practicum, teacher of the deaf candidates will demonstrate knowledge of the components of reading, as well as assessments and data analysis, to implement a comprehensive research-based reading plan of instruction for all students.

**EHD4943: Deaf Education International
Practicum**

2

Prerequisite: EHD 3941

Description: This course will provide Deaf Education majors an opportunity to observe, assist, and teach students who are deaf

and hard of hearing in an educational place setting outside of Florida. Students will be expected to complete hours in a variety of settings with students who are deaf or hard of hearing and observe their culture and participate in the use of the students' mode of communication, be it verbal or signed languages. This course will consist of periodic meetings to process the observation and field experiences. Placements may take place in public, private, and charter schools with qualified personnel.

Repeatability: This course may be repeated for a maximum of 4 credit hours.

EHD4944: Deaf Education Internship **9**

Prerequisite: EHD 4245, EHD 4261, EHD 4311, EEX 3202, EEX 4281, EEX 3250, TSL 3080, TSL 4340, LAE 3210, EHD 3000, EHD 4940, EHD 4263, ASL 4205, EHD 4293, and EHD 4291

Co-requisite: EHD 4942

Description: This course will provide students with the opportunity to teach students who are deaf and hard of hearing in a classroom. Students are expected to demonstrate teaching competencies under the observation of a cooperating master teacher of the deaf and their college internship supervisor. Students must complete all of the courses in the program of study prior to enrolling in this course in order to complete the degree requirements.

Availability: Every semester

ELD4144: Instructional Strategies for Individuals with Learning Disabilities **2**

This course addresses instructional strategies for teaching students with specific learning disabilities to include specialized approaches to teaching basic skills, metacognitive skills, and adaptation of curriculum and materials. Field experience required.

ELD4230: Curriculum for Students with Learning Disabilities **2**

Prerequisite: ELD 3011. This course provides an analysis of curricula appropriate for learning disabled students at all educational levels. Use and adaptation of curricular materials will be addressed as well as lesson and unit planning.

**EMR4222: Specialized Curriculum for
Students Who Are Mentally Handicapped** **2**

Prerequisite: EMR 3011. This course covers specialized curriculum for students who are mentally handicapped. The course content includes identification and application of effective practices and recognition of trends and standards in the field.

INT1000: Introduction to Interpreting **3**

Description: The course provides an overview of diverse settings in which interpreters work and the array of consumers who utilize interpreting services. Students are introduced to historical foundations of interpreting, models for interpreter role and function, ethics and professional conduct, applicable state and federal legislation, interpreter credentialing, and business practices. American Sign Language (ASL) is not required as a prerequisite for this knowledge-based introduction to the field of ASL/English interpreting.

INT2010: Discourse Analysis **3**

Prerequisite: INT 1000, ASL 3514, INT 3011, and ASL 4131

Co-requisite: INT 2113

Description: This course introduces discourse analysis to deepen student awareness of and appreciation for various discourse norms and strategies used in English and American Sign Language (ASL). Students will study general discourse types, including conversations, presentations, and narratives specific to ASL and English. Students will study speech act theory and pragmatics in order to identify features of cohesion, coherence, politeness, and powerful/powerless language in oral, written, and signed texts. Students will learn how to identify the function of intent, discourse markers, rhythm, prosody, and space. Discourse structures and genres, gender differences, and framing will also be addressed. The course emphasizes relevance to meaning-based cross cultural communication.

INT2113: English to ASL Sight Translation **3**

Prerequisite: INT 1000, ASL 3514, ASL 4131 and INT 3011

Co-requisite: INT 2010

Description: This interactive and practical course introduces sight translation for signed language interpreters as a foundational skill for conveying meaning-based, cross-cultural access to frozen texts. Students will work between American Sign Language (ASL) and English to apply such translation features as cohesion, discourse markers, spatial mapping, involvement strategies, and framing to meaning transfer of source texts. Students will develop self-analysis and peer-analysis techniques for evaluating message equivalence of sight translations. This course emphasizes cultural and linguistic literacy and ethical constraints associated with the translation process.

INT2204: Interpreting in Community

Settings

3

Prerequisite: ASL 4211, INT 2010, INT 2113, INT 3011, ASL 3514 and INT 2303

Description: This course provides an introduction to a range of settings where interpreters work and teaches students to determine appropriate use of consecutive and simultaneous interpreting. Students learn terminology, register, and protocols for interpreting in specialty areas, including vocational rehabilitation, healthcare, social service, employment, and education. This course provides a foundation for using the Demand-Control Schema during communication assessment and evaluation of consumer needs, with respect for linguistic and cultural diversity and requires 20 hours of field-based experience.

INT2303: Interpreting Field Experience

4

Prerequisite: ASL 4131 and INT 1000

Description: This course will introduce students to a variety of environments where interpreting services might be provided. Through observation, shadowing, and community involvement, students will gain an understanding of the human dynamics and linguistic variations in a wide scope of settings that include meetings, classrooms, inservice trainings, one-on-one interactions, and public forums. Students will apply the NAD-RID Code of Professional Conduct to setting evaluations and use the Demand-Control Schema to shape discussions of context-specific dynamics and decisions. The course emphasizes cultural literacy and requires 60 hours of field-based experience under the

supervision of a faculty advisor.

INT3011: Linguistics for Interpreters

3

Prerequisites: ASL 2150

Description: This course provides a comprehensive introduction to the linguistic structures of English and American Sign Language (ASL). The course focuses on language at the discourse level, while examining phonology, morphology, syntax, semantics, pragmatics, and sociolinguistics associated with English and ASL. Application of these linguistic topics to the field of interpreting will be addressed throughout the course.

INT3134: Applied Ethics in Interpreting

3

Description: This course examines professional ethics and codes of conduct and how they contribute to the process of ethical decision-making. Students will examine the National Association of the Deaf-Registry of Interpreters for the Deaf, Code of Professional Conduct and apply its tenets to authentic interpreting scenarios through interactive discussions and activities. Through case studies and cooperative learning, students will solidify their ability to make ethical decisions as signed language interpreters and base ethical decisions on the National Association of the Deaf-Registry of Interpreters for the Deaf, Code of Professional Conduct.

INT3205: Cognitive Processing

3

Description: This course uses a process-oriented approach for applying the essential cognitive strategies to interpreting. These strategies include organizing and manipulating visual images, analyzing message for meaning, and self-monitoring for message fidelity through Think Aloud Protocols. Students receive instruction on accessing current literature on spoken and signed language interpreting, working memory, and cognitive load theory.

INT3270: Advanced ASL Classifiers for Interpreting

3

Description: This course (Advanced ASL Classifiers for Interpreters) provides skill development in topic-specific classifier use for interpreters. Utilizing descriptors common to community, medical, and educational settings, students will demonstrate the ability to successfully convey major concepts in ASL, incorporating various classifiers types, locatives, and nonmanual markers. Students will increase their ability to comprehend classifiers used by deaf individuals in these settings through the use of visual gestural communication techniques, visual discrimination, and visual memory exercises.

INT3271: Interpreting Consecutive

Dialogue

3

Description: This course targets translation and consecutive interpreting skill development as students develop professional decision-making abilities in community contexts. Students will apply mind mapping, paraphrasing, memory storage and retrieval tasks, and self monitoring for fidelity to advanced cognitive processing tasks. Students will evaluate linguistic and cultural implications within source materials for equivalent message transfer during the translating task and the consecutive interpreting task.

INT3280: Mentorship and Certification

Preparation

3

Description: This course is a practice-oriented, skills-enhancement course that includes guidance for successfully achieving external interpreting credentials. Through hands-on practice with external mentors and simulated interpreting situations, students will integrate professional skills based on individual interpreting goals. Focus will be on the application of skill sets to the process of interpreting and preparation for the National Interpreter Certification (NIC) Knowledge Exam.

INT3301: Interpreting Assessment

Preparation: Knowledge

3

Through interactive discussions, cooperative learning, and

application of critical thinking skills, students will explore the components of the National Interpreter Certification process. Students will examine the task, knowledge and skill statements as defined by the National Council on Interpreting. Focus will be on the application of the statements to the field of interpreting and preparation for the NIC Knowledge test.

INT3950: Introduction to Service Learning in Interpreter Education

3

Description: This course is one of two service learning courses designed to strengthen the student's ability to acculturate to the rich linguistic and cultural heritage of the Deaf community through civic engagement. The course introduces Experiential Learning Theory and the community engagement approach to situating the Deaf community within interpreter education and promoting professional alliances. Students apply critical thinking skills to their own biases and assumptions, constructing an asset map of the community, and identifying goals that offer potential for practitioner-entity partnerships. Students learn the basics of building teams, establishing responsible boundaries, working toward mutual goals that are defined by the Deaf community, and applying the foundations of service learning to their future as interpreters.

INT3951: Service Learning in the Deaf Community

3

Prerequisite: INT 3950

Description: This course is the second of two courses designed to strengthen the interpreting student's ability to acculturate to the rich linguistic and cultural characteristics of the Deaf community through civic engagement. Students will participate in structured experiential settings that are designated by the local Deaf community. Students will design a service-learning project that is responsive to needs of the community and reflect upon the learning process through journaling and faculty mentorship.

INT4272: Interpreting Simultaneous Dialogue

3

Prerequisite: INT 3271

Description: This course focuses on the development of ASL/English simultaneous dialogue interpreting skills and the student's ability to self-monitor for quality and fidelity. Students learn to provide constructive peer feedback, and incorporate spoken and signed language research into their ongoing skill development. Abilities such as critical listening, producing messages with appropriate illocutionary force, and applying the Demand-Control Schema are refined in this course.

INT4273: Interpreting Simultaneous

Monologue

3

Prerequisite: INT 4272

Description: This course serves as a transition from dialogic interpreting to monologic interpreting between American Sign Language and English. The course builds on a process-oriented model, which applies essential cognitive strategies in order to interpret dynamically equivalent extended monologues. These strategies include comprehending and analyzing messages for implicit and explicit meaning, identifying linguistic and cultural challenges in the text, and applying demand-control techniques for message accuracy.

INT4404: Interpreting in Educational

Settings

3

Description: This course will introduce students to interpreting in K-12 and postsecondary educational settings. Students will be instructed regarding the legal framework of educational interpreting, typical developmental stages of students from early childhood through early adulthood, and varying roles and expectations of educational teams that include the interpreter.

INT4410: Interpreting for Persons who are

Deaf-Blind

3

Prerequisite: INT 3271

Description: This course introduces students to the unique factors of interpreting for persons who are DeafBlind and the conditional impact on communication, mobility, employment, socialization,

and daily living. The course emphasizes practicing the various modes of communication (e.g., tactile, restricted field of vision) that interpreters and Support Service Providers use when working with persons who are DeafBlind. Students become familiar with human guide techniques, touch signals, and orienting persons who are DeafBlind to the environment. The course utilizes reflective discussion and writing, and students have authentic practice with DeafBlind community members.

INT4455: Interpreting for Diverse

Populations

3

Description: This course will explore interpreting with persons who have diverse racial, ethnic, linguistic, cultural, economic, religious, and social backgrounds. Students will identify the role and function of interpreters when working with diverse populations within the context of ethnographic research. Students will apply cultural and linguistic competence to interpreting in a variety of settings.

INT4910: Research in Interpreting

3

Description: This course guides students in becoming consumers of and contributors to current literature in the field of spoken and signed language interpreting and directs them in conceptualizing research projects. Students complete training for conducting research in compliance with human subject review procedures at the university. Students receive mentorship through topic investigation, problem identification, research design, and literature review development. The goal of the course is to orient students to the benefits of applying and actively conducting research in their pursuit of excellence as an interpreter.

INT4947: Interpreting Practicum and

Portfolio Presentation

6

Prerequisites: INT 4273, INT 4455, INT 4404, INT 3951, and INT 4410

Description: This course is a field-based capstone course and requires mentored interpreting experiences. Students will apply classroom learning and theory to real-world interpreting within 200

hours under the supervision of a nationally certified interpreter. A minimum of 90 hours must involve direct provision of authentic interpreting services. Students must be available for placement during workdays (M-F, 9 am-5 pm) to achieve the number of hours required. The semester concludes with an e-portfolio representing the student's satisfaction of program exit competencies. All program courses, general education courses, and a passing score on the Registry of Interpreters for the Deaf, Inc. National Interpreter Certification Knowledge Exam (or equivalent) must be accomplished prior to registering for this course.

LDR3240: Intergroup Dialogue Among Diverse Populations

3

Intergroup Dialogue Among Diverse Populations is designed to provide foundational skills in knowledge needed to participate in and facilitate multicultural group interactions. This course assumes that the most effective facilitators of multicultural group interactions possess a level of awareness, skill, knowledge, and passion. The topics of this course include social identity development; prejudice and stereotyping and their effects on groups; difference and dominance and the nature of social oppression; basic group facilitation skills and their applications in multicultural settings. The course addresses these and other topical areas through readings, videos, facilitated in-class dialogues, activities, simulations, role-plays, and reflective journal and writing assignments.

SLS3408: Employability Skills and Career

Success

3

Description: This course helps students utilize a variety of job search strategies that will give them a competitive edge and make a successful transition from academics to the world of work. This course focuses on instructional methods, materials and curricula to introduce students to the fundamentals of planning, organizing and implementing a comprehensive job search campaign. Emphasis is placed on identification of individual career goals, assessments of skills and abilities, exploration of career options, analysis of the job market, and effective use of employment search tools (e.g. resumes, cover letters, interviewing, networking,

and management of career pathways and resources.) Course includes presentations by Career Services Professionals, Recruiters and Employer Representatives, and Graduate School Admissions Representatives.

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Undergraduate Courses

Teaching, Learning & Curric

ARE4353: Teaching Art with a Discipline-Based Focus in Grades K-12

4

Prerequisite: EDG 3323 and EDF 4444 An investigation of elementary, junior high/middle school and high school art programs and resources, grades K-12. The course emphasizes skills development in planning for, teaching and evaluating learning experiences in art studio, art criticism, art history and aesthetics, and the development of a personal philosophy of art education.

EDE4936: Capstone: Classroom Inquiry for Student Teaching/Internship

3

Co-requisite: EDE4943

Description: This capstone course is designed to support student teaching interns as they develop an inquiry stance toward their role as teachers. Teacher candidates participate in regular seminars focused on inquiry. They document ways in which they are engaging in inquiry during their student teaching internship. All degree coursework with the exception of EDE 4943: Student Teaching Internship must be successfully completed prior to registering for this course.

EDE4943: Practicum II: Student Internship

9

Co-requisite: EDE4936

Description: Students enrolling for EDE 4943 must have completed all of their coursework in elementary education except this course and its co-requisite.

Course Fees: \$36

EDF1005: Introduction to the Teaching Profession

3

Description: This is a survey course including historical, sociological and philosophical foundations of education, governance and finance of education, educational policies, legal, moral and ethical issues and the professionalism of teaching. Students will be provided information on the Florida Educator Accomplished Practices, Sunshine State Standards, and the Professional Educator Competencies. Students are required to complete a minimum of 18 hours of field-based experiences with children and youth in schools or similar settings. The experiences should not be conducted via virtual modes of film or Internet. It is highly recommended that this course not be taken concurrently with EDF2085 Diversity for Educators.

EDF2085: Introduction to Diversity for Educators

3

Description: Designed for the prospective educator, this course provides the opportunity to explore issues of diversity, including an understanding of the influence of exceptionalities, culture, family, gender, sexual orientation, socioeconomic status, religion, language of origin, ethnicity, and age upon the educational experience. Students will explore personal attitudes toward diversity and exceptionalities. Students will be provided information on the Florida Educator Accomplished Practices, Sunshine State Standards, and the Professional Educator Competencies. A minimum of 18 hours of field-based experiences working with diverse populations of children and youth in schools or similar settings is required. The experiences should not be conducted via virtual modes of film or Internet. It is highly recommended that this course not be taken concurrently with EDF1005 Introduction to the Teaching Profession.

EDF3151: Educational Psychology

3

An examination of the cognitive, social and emotional characteristics of K - 12 learners together with sources of learner individuality including culture, gender, and socioeconomic status. The course includes a discussion of learning and its implications for instruction.

EDF3945: Field Laboratory I**v. 2-4**

Prerequisite or Corequisite: EDG 3323. Supervised, structured field experiences in selected schools designed to assist in the acquisition of the accomplished practices required by Florida State Board of Education Rules. Weekly seminars are held to augment and reinforce the field experiences.

EDF3946: Field Laboratory II**v. 2-4**

Prerequisites: EDF 3945, EDG 3323. Corequisites: Special Methods Courses. Continuation of supervised, structured field experiences in selected schools designed to assist in the acquisition of the accomplished practices required by Florida State Board of Education Rules. Weekly seminars are held to augment and reinforce the field experiences.

EDF4444: Assessment of Learning and Behavior**3**

Prerequisite: EDF 3151 and EDF 3945 Examination of teacher prepared and standardized measures of student achievement, behavioral construction and other factors influencing learning and teaching.

EDF4466: Assessment of Behavior and Learning for Fine Arts Classrooms**2**

Description: Examination of teacher prepared and standardized measures of student achievement, behavioral construction, and other factors in fine arts classrooms.

EDG3302: Introduction to Teaching in the Elementary Classroom**1**

Description: This course introduces elementary teacher candidates to the dispositions essential for effective teachers. Students learn to write standards-aligned learning outcomes and develop appropriate questions to facilitate learning.

EDG3321: Elementary Field Experience I

3

Co-requisite: LAE 3210

Description: This supervised field experience provides teacher candidates with the opportunity to design and implement instruction in elementary classrooms under the direction of a mentor teacher and university supervisor. Individual coaching and seminars focus on standards-aligned instructional practices that support diverse learners. The knowledge, skills, and dispositions important for reflective practitioners as described in the Florida Educator Accomplished Practices are emphasized.

EDG3322: Elementary Field Experience II

3

Prerequisite: EDG 3321

Co-requisite: LAE3211

Description: This supervised field experience provides teacher candidates with the opportunity to design and implement assessments and data-based instruction in elementary classrooms under the direction of a mentor teacher and university supervisor. Individual coaching and seminars focus on standards-aligned instructional practices that support diverse learners.

EDG3323: The Learning Process

3

Corequisite: EDF 3945. An introduction to the design and implementation of curriculum. Emphasis is placed upon developing and writing goals and objectives, planning and implementing lessons, developing and presenting instructional models, utilizing effective verbal communication and conceptualizing motivational strategies.

EDG3324: Methods of Conceptual Teaching

3

Description: This course introduces teacher candidates to instructional tools and strategies used to teach for conceptual understanding. Key topics from the elementary school curriculum will be used to illustrate techniques for using inquiry to teach via inquiry.

**EDG3373: Integrating the Arts in
Elementary Formal and Informal Learning
Environments** **3**

Prerequisite: EDF 4444

Description: This course explores how individuals working with children in formal and informal educational settings can integrate the arts. Students learn strategies for incorporating visual art, music, dance, and drama into instruction.

**EDG4340: Teaching All Learners in a
Differentiated P-6 Classroom** **3**

Description: This course examines ways that pre-service teachers can effectively implement differentiated instruction and assessments to address the complex challenges of meeting the learning needs of all students in the regular classroom. Candidates will gain a knowledge of the different types, characteristics, and needs of all learners including key aspects of history and legislation related to educating all children.

**EDG4410: Classroom Management and
Communication** **3**

Prerequisite: EDF 3151 and EDF 3945 This course provides preservice teachers with the basic skills necessary for effective classroom management and clear communication. It specifically assists preservice teachers in developing a set of behaviors designed to elicit and maintain student learning and on-task behaviors.

EDG4442: Elementary Field Experience III **3**

Prerequisite: EDG3322

Co-requisite: SCE3310

Description: This penultimate supervised field experience (semester immediately preceding internship/student teaching) provides teacher candidates with the opportunity to design and implement instruction in elementary classrooms under the direction of a mentor teacher and university supervisor. Individual coaching and seminars focus on standards-aligned instructional

practices that support diverse learners. The knowledge, skills, and dispositions important for reflective practitioners as described in the Florida Educator Accomplished Practices are emphasized.

EDG4905: Individual Investigation and

Study

v. 1-3

Prerequisite: Consent of division chairperson or specific faculty member. Individual investigation of a selected topic in greater depth under the guidance of a faculty member. May be repeated up to 24 credits.

EEC3266: Program Planning: Infants, Toddlers, and Young Children

3

Description: This course uses a relationship-based model as a framework for understanding how infants and toddlers grow and learn with the support of their families and teachers. The first section of the course sets the stage by focusing on early experiences, family relationships, theoretical perspectives, and why and how to observe and document children's interests, development, and behavior. The second section describes the remarkable development of children in the prenatal period and in the emotional, social, cognitive, language, and motor domains. The important concept of attachment is described including theories and emotional development. The third section of the course covers day-to-day responsive program planning, guidance, including children with special needs, and professionalism.

EEC3408: Forming Family, School and Community Partnerships

v. 2-3

Prerequisite: EDF 1005, EDF 2085, EME 2040

Description: The course will focus on the acquisition of knowledge and skills needed for forming effective partnerships with diverse families and community stakeholders. Family systems and their impact on children's development and learning will be explored. Candidates will identify and implement effective practices to foster family involvement on a number of levels. Candidates will learn effective communication strategies as well as current state and federal initiatives for serving children and families.

**EEC3731: Movement and Wellness for the
Young Child**

3

Description: This course introduces candidates to theories, strategies, and concepts to promote the well-being of the whole child.

**EEC4054: Leadership and Service in Early
Childhood Settings**

3

Prerequisite: EEC 4260

Description: This course is designed as an introduction to the knowledge, skills, and competencies for responsible service and leadership in diverse early childhood settings and provides preparation for students to be engaged, responsible, and actively involved in community involvement and leadership in the early childhood community. This course will provide the student with early childhood-related community experiences that will foster a realization of the importance of civic engagement to ameliorate the negative impact of social injustice, including the impacts of low socioeconomic status, on young children, families, ethnic minorities, and marginalized populations of our society.

EEC4203: Primary Education II

3

Strategies for planning the curriculum, utilizing appropriate practices and resources for developing effective programs for primary aged children.

**EEC4207: Measurement, Evaluation, and
Planning for Young Children**

3

Prerequisite or co-requisite: LAE 3210

Description: Students will learn formal and informal strategies related to assessment, analysis, planning and differentiating instruction. Students will select and implement tools and procedures and interpret and apply findings through lesson planning and implementation. This course meets requirements for students in the prek-primary concentration.

EEC4213: Teaching Literacy in Early

Childhood through Grade 3

3

Prerequisite: LAE 3210 and EEC 4260

Description: This course is an integrated methods course for Language Arts, Reading and Literature for students in the Early Childhood Major with a focus in prek-primary licensure or a focus in early childhood development. This course provides students with a basic foundation for teaching and assessing beginning reading, writing, and aural or verbal skills through an integrated curriculum format. Students will gain an understanding of the importance of fiction and informational literature, as well as implementing developmentally and culturally appropriate practices.

EEC4245: Social Studies in Early

Childhood through grade 3

3

Prerequisite: EEC 4260

Description: This course provides an overview of social studies content and ways to effectively integrate the content across the curriculum. The course will include updated research and theory on the developmental practices and principles of teaching young children (through grade 3). Methods of developing students' critical and creative thinking through a focus on social justice, advocacy and democratic principles will be explored. The course includes a 10-hour field experience.

EEC4260: Teaching the Whole Child

3

Prerequisites: EDF 1005, EDG 2701, EME 2040

Description: This course provides an overview of developmental, cultural, and age appropriate teaching practices that include a focus on gender, race, and learning styles. The course will include an overview of educational trends, key theorists and research, as well as current position statements on young children's learning and development.

EEC4321: Teaching Mathematics in Early

Childhood Settings through grade 3

3

Prerequisite: EEC 4260

Description: his course focuses on the acquisition of knowledge

and skills to design and implement appropriate curriculum and instruction for young children learning mathematics. Candidates explore concepts, create learning experiences, learn best practices for teaching and assessing mathematical understanding and thinking of all learners, including children with exceptional needs or those identified as English Language Learners.

EEC4323: Teaching Science in Early Childhood Settings through grade 3

3

Prerequisite: EEC 4260

Description: In consonance with the conceptual framework, this course focuses on the acquisition of knowledge and skills for designing and implementing appropriate curriculum and instruction for young children learning science. Candidates explore concepts, create learning experiences, and work with children from diverse backgrounds. Candidates learn together and from each other as they reflect, discuss issues, and collaborate with one another.

EEC4410: Global Community Engagement

3

Prerequisite: EEC 4054

Description: In concert with the College of Education and Human Service's mission to collaborate with local, regional, national, and international stakeholders to promote transformational learning experiences for our students, this course will provide teacher candidates and students an opportunity to put into practice their knowledge of leadership and principles of service learning in a variety of real-world educational settings. As part of this experience, teacher candidates and students will gain an understanding of the educational setting and factors that impact education, including the political, historical, cultural, and social issues.

EEC4940: Childhood Practicum

3

Prerequisite: EDF 1005, EDF 2085, EME 2040

Description: This course provides students with the opportunity to work in early childhood settings. Students are expected to demonstrate competencies in teaching, assessment, and meeting the needs of all children and families with the guidance of a cooperating master teacher, coach, program area leader or the

college internship supervisor. Students may complete the practicum in their work setting with the approval of advising and program area leaders. All students must complete the required background clearance process prior to any work with children. EDF 3945 and/or EDF 3946 may be substituted with advisor approval.

EEC4942: EC Student Internship

9

Prerequisites: LAE 3210, EDF 1005, EDF 3151, EDF 4444, EDG 4410, EEC 3266, EEC 3731, EEC 4054, EEC 4207, EEC 4210, EEC 4323, EEC 4213, EEC 4245, EEC 4260, EEC 4054, TSL 3080, TSL 4340, EEX 3202 and EDG4XXX: Differentiation for all learners in P-6 Settings

Description: In consonance with the COEHS conceptual framework, this internship allows candidates to demonstrate the knowledge, skills, and dispositions of effective and reflective practitioners. Candidates will demonstrate their ability to effectively teach and assess all children. The course includes seminars and structured field experiences in public school settings. Candidates will demonstrate proficiency with the Florida Educator Accomplished Practices and integrate the knowledge, skills, and dispositions addressed in other program courses. They will demonstrate the knowledge and skills to design, teach, and assess effective lessons in diverse learning communities. They will demonstrate an appreciation and understanding of the multicultural composition of our population and those students for whom English may be a second language.

ESE2210: Introduction to Computer

Science for Teachers

3

Description: This course will introduce secondary school teachers to computer science. The course will cover fundamental programming topics, pedagogical methods, and content relevant to both the College Board AP Computer Science Principles course and the Florida Department of Education Teachers' Certification Exam for Computer Science.

ESE2211: Teaching Computer Science in Secondary Schools

3

Prerequisite: ESE 2210

Description: This course is a second course in computer science teaching for secondary school teachers. The course will cover additional programming topics, pedagogical methods, and content relevant to both the College Board AP Computer Science course and the Florida Department of Education Teachers' Certification Exam for Computer Science.

ESE4905: Individual Study and Research v. 1-3

Prerequisite: Consent of division chairperson. May be repeated up to 36 credits.

ESE4943: Student Internship v. 1-12

Prerequisite: Completion of requirements prescribed in Internship handbook.

Description: Designed as a culminating experience in the student's major field which allows the student an opportunity to practice skills under careful observation and in cooperation with a master teacher. Internship is allowable only in major area of concentration.

Course Fees: \$36

ETG3949: Experimental Study/Technology v. 0-3

Prerequisite: Acceptance in Cooperative Education Program. Students will participate in supervised work experiences related to their areas of interest. Students may receive repeat credit for this course.

FLE4333: Special Methods: Foreign Languages 4

Prerequisites: A minimum of 12 semester hours in one foreign language, and at least 6 hours at the upper level. An examination of the instructional methods, materials, and curriculum for teaching K-12 level foreign languages. Offered fall term only.

HSC3301: Health and Movement Education in the Elementary School 3

A study of elementary school health, safety, and movement education programs. For elementary education majors.

LAE3210: Foundations of Literacy

3

Prerequisite: EDF1005

Description: This course focuses on the theories and instructional practice of early literacy instruction, including early childhood language development, the foundational role of oral language, early literacy assessments for phonological and phonemic awareness, concepts of print, and alphabetic knowledge. The primary focus of the course is on developing a deep understanding of the reading acquisition skills and related instruction at the primary level, Kindergarten through second grade, in addition to reading assessments that provide formative information on reading development. Instructional strategies in this course include literacy centers, guided reading, read alouds, shared reading, reading conferences and interactive and shared reading. Attention will be given to the role student engagement plays in student learning and how instruction can be differentiated by individual differences including English language ability. EDF 1005 is the prerequisite for this course.

LAE3211: Literacy Instruction and Assessment

3

Prerequisite: LAE 3210

Co-requisite: SSE 3313 and TSL 4340

Description: Focused on reading and writing at the upper elementary level (grades 3 through 6), a primary focus of this course is on developing students'™ reading comprehension and critical thinking skills with both narrative and informational texts. Students will understand how to support engagement with and comprehension of both ability-matched and complex texts through direct instruction, student discourse, and writing about reading. A particular emphasis will be placed on vocabulary and academic language acquisition. Additional topics will include the influence of digital texts on reading instruction, school-family collaboration to support reading engagement, and the teaching of writing beyond the primary years. Students will understand the different elements of the craft of writing and how to teach young children of all ability levels to develop desired traits of description and voice as well as organization and attention to grammar while also encouraging

student engagement.

LAE4312: Differentiating Instruction in

Literacy

3

Prerequisite: LAE 3210 and LAE 3211

Description: This is the third literacy course in the elementary program. It follows courses in the foundations of literacy development including methods, resources and assessments for literacy teaching/learning. It will enable preservice teachers to understand the scope and place of diagnosis and subsequent literacy instruction in the literacy development program; the roles played by the classroom teacher and other specialized personnel in the school; the wise use of a variety of diagnostic tools (tests and other measurement techniques) to measure literacy ability, and based on such measurement, evaluate the student's literacy abilities; the planning and differentiating instruction based on such an evaluation.

LAE4335: Special Methods: Secondary

English

3

Prerequisites: EDF 3945, EDG 3323. An examination of the instructional methods, materials, and curriculum for teaching secondary level English. Offered fall term only.

LAE4941: Literacy Practicum

2

Prerequisite: EDF 1005 and SPC 2608

Co-requisite: EDF 3946

Description: This course provides the teacher candidate with a culminating practicum allowing them to demonstrate knowledge of the components of literacy, as well as assessments and data analysis. The teacher candidate will further implement a comprehensive research-based literacy plan of instruction for all students using the systematic problem solving process. The course is designed to fulfill the requirements of Competency 5 in the Florida Reading Endorsement. To enroll, students must have been admitted into the English Education program in the College of Education and Human Services.

MAE3312: Mathematics Methods for

Elementary Teachers **4**

Prerequisites: EDG 3324. This course is designed to develop competencies in selecting methods, resources, and assessment strategies for teaching integrated mathematics with other content areas. The content strongly reflects the curriculum emphases of the National Council of Teacher of Mathematics and the Florida Sunshine State Standards and topics are presented using a process-oriented approach.

MAE4013: Teaching Mathematics in the Intermediate Elementary Grades **3**

Prerequisite: EEC4321

Description: This course for preservice elementary school teachers includes instructional strategies, learning activities, the design and use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. The content strongly reflects the curriculum emphases of the National Council of Teachers of Mathematics (NCTM), the Florida Standards Mathematics, and the Common Core State Standards Mathematics.

MAE4320: Special Methods: Middle Grades Mathematics **3**

Prerequisites: EDF 3945, EDG 3323 Offered fall term only. Introduction to the instructional methods, materials, and curriculum for teaching middle grades students mathematics.

MAE4330: Special Methods: Secondary Mathematics **3**

Prerequisites: EDF 3945, EDG 3323 An examination of the instructional methods, materials, and curriculum for teaching secondary level mathematics. Offered fall term only.

PEN1231: Basic Sailing **1**

The course provides for instruction and practice to learn/improve basic skills in sailing small craft.

PEO2004: Theory and Practice in Coaching 3

A study of research based principles and methods used to coach individual and team sports.

PEO3344: Tennis Coaching 3

A study of the physical skills, game strategies, optimum practice conditions, physical conditioning, rules, facilities and equipment, program administration and special ethics and liability concerns in coaching tennis.

PEP3304: Track and Field Coaching 3

A study of the physical skills, event strategies, optimum practice conditions, physical conditioning, rules, facilities and equipment, program administration, and special ethics and liability concerns in coaching track and field.

PET2622: Care and Prevention of Sport Injuries 3

Prerequisite/Corequisite: PET 3351C. A study of the principles and methods used to prevent and care for injuries sustained during physical activity.

PET3422: Fitness Education for Children and Adolescents 2

Description: The course involves a study of developmentally appropriate methods used to teach health-related physical fitness principles to children and adolescents in schools and youth agencies.

PET3434C: Learning Through Movement 3

Integration of movement activities with other curricular areas. An emphasis is placed on the use of the physical medium to develop the academic and cognitive skills of elementary school children.

PET4401: Administration of Physical

Education and Sport 3

A study of the principles and theories in organizing and managing programs in physical education and sport leadership.

RED3310: Teaching Reading as a Process 3

Study of the reading process, approaches, skills, and materials used in elementary reading instruction. Course or equivalent before senior internship.

RED4333: Content Area Reading 3

Course is designed to provide students with an in-depth understanding of reading and how reading efficacy is related to content areas and vice versa. Content areas are described in terms of "Discourse Communities" that require of their participants specific forms of speaking and writing (and reading). Students learn about ways to scaffold reading in different content areas.

SCE4310: Science Methods for Elementary Teachers 3

Co-requisite: EDG 3322

Description: Methods and resources for teaching science in the elementary school.

SCE4320: Special Methods: Middle Grades Science 3

Prerequisites: EDF 3945, EDG 3323 Introduction to the instructional methods, materials, and curriculum for teaching middle grades science.

SCE4330: Special Methods: Secondary Science 3

Prerequisites: EDF 3945, EDG 3323 An examination of the instructional methods, materials, and curriculum for teaching secondary level science. For other content prerequisites, see special methods course prerequisites secondary majors. Offered fall term only.

**SSE3313: Social Studies Methods for
Elementary Teachers**

3

Co-requisite: LAE 3211 and TSL 4340

Description: This course examines standards, issues, and methods related to the teaching and learning of social studies in the elementary school. It includes and an emphasis on culture and the arts the integration of social studies content in English/Language Arts as ways of knowing and learning about civics, economics, geography, and history.

SSE4384: Special Methods: Social Studies

3

Prerequisite: EDF 3945 and EDG 3323

Description: An examination of the instructional methods, materials, and curriculum for teaching secondary level social studies.

Availability: Offered fall term only.

**TSL3080: ESOL Foundations: Culture and
Language**

3

Description: This course examines English for Speakers of Other Languages (ESOL) issues that are relevant to teaching English language learners (ELLs) in K-12 settings. The course covers basics to understanding four main sections: (1) culture as a factor in ELLs' learning; (2) language as a system to support ELLs' acquisition of English in order to learn and to read, write, and communicate orally in English; (3) language acquisition and development to support ELLs' learning; and (4) second language literacy development to support ELLs' learning.

**TSL4240: Applied Linguistics and
Grammar in TESOL**

3

Description: The focus is on understanding modern Standard English usage in teaching English to speakers of other languages (TESOL). This class covers the major concepts in linguistics that

relate to how languages work and how they can be described in TESOL. Students gain knowledge of the various components that make up the system of any language, but investigate the English language in depth. Topics covered include phonetics, phonology, morphology, syntax, semantics, etc. These concepts and concerns are studied with an eye toward their practical application to TESOL. This course also examines elements of English grammar, concentrating on parts of speech and sentence structure. A descriptive rather than a prescriptive approach is taken.

TSL4324: TESOL for Secondary Content

Area Teachers

3

This course is designed to prepare secondary content area teachers (not including Secondary English teachers) and K-12 teachers, including Art Education, Music Education, and Physical Education, to teach and accommodate ESOL (English for Speakers of Other Languages) students in the mainstream secondary classroom. This course will include a 36-hour ESOL field component in a secondary school.

TSL4340: TESOL Methods and Curriculum

3

Prerequisite: RED 3310 and TSL 3080 or as prescribed by the program of study.

Co-requisite: SSE 3313 and LAE 3211

Description: This course is designed to assist students in integrating the theories and principles of second language learning and applying them to classroom instruction. ESOL methodology and curriculum will be emphasized as they relate to current best practice in ESOL instruction. A field experience requiring students to work in classrooms serving English language learners is required.

TSL4360: TESOL Methods and Curriculum

for Secondary Teachers

3

Prerequisite: TSL 3080 This course is designed to prepare secondary teachers to accommodate ESOL (English for Speakers of Other Languages) students in the mainstream classroom. Florida law requires that all Education majors must complete coursework in TSL concepts and practices. This course will

enhance our ESOL infusion program and will ensure that COEHS secondary graduates are prepared to teach secondary ESOL students.

TSL4441: Assessment in ESOL Settings

3

Description: In this course and in agreement with the conceptual framework, candidates will be prepared to impact English Language Learners (ELLs) by learning and developing various second language assessment practices. The course will examine the fundamental principles and various practices of second language assessment. It will also provide an overview of assessment techniques and instruments for four language skills (listening, speaking, reading, and writing) and opportunities to explore and develop creative assessment instruments. Assessment issues involving placement, diagnosis evaluation, use of traditional assessment instruments and procedures, and use of alternative assessment methods will also be explored.

TSL4520: ESOL Cross-Cultural Communication

3

Description: The overall objective of this course is to prepare teachers to understand the background of ESOL students, to increase their success in content areas, and to create a positive learning environment for all students in the classroom. Participants will study culture and learn about their own culture to better understand their students' culture. Emphasis will be placed on the effect of culture on communication and learning. Participants will develop lessons and activities that will enhance cross-cultural communication among all peoples. This class will cover the standards for the domain of culture recommended by TESOL Cultural sensitivity. Culture will be discussed in a way that may appear to convey criticism or praise. However, all cultures have their strengths and weaknesses. No culture is in any way superior or inferior to any other, except as an adaptation to a specific environment.

TSL4944: TESOL Practicum

3

Prerequisite: TSL 4324

Description: Students develop classroom teaching skills for teaching English to speakers of other languages (TESOL) through a supervised teaching practicum in an English language center or other provider of English language and literacy programs. Students develop a reflective approach to their development as English language teachers through the practicum placement, lectures, microteaching, and written reflection

=

Undergraduate Courses

Honors Program

IDH1923: Honors First Year Colloquium

3

Description: There are two distinct but connected parts of this course. The course will include a series of activities, exercises and assignments designed to help students use their time in college efficiently so they can achieve their career and personal goals. The second part of the course is the content: immigration and cultural identity. America is unique in the world in that it is a nation made up mostly of immigrants. The course will explore both students' own family histories and the stories of very recent immigrants to Jacksonville to explore the phenomenon of immigration. Students will consider the concepts of national and ethnic/regional identity in the context of immigrant communities in Jacksonville. The course will include a service-learning project that connects students with some of our local immigrant communities, and each group will research background on their chosen immigrant group and present it to the rest of the class. Students will also use a GIS mapping program to map elements of our local immigrant communities. In the process, we will learn how to sort through politics and socio-economic differences to find reliable facts and common ground. The readings will be supplemented by a series of lectures given by faculty and staff members who will both present on an aspect of immigration and cultural identity or one of the skills related to their particular discipline.

Course Fees: \$40

IDH2406: (GW)(H) Psychosocial Aspects of Violence

3

Prerequisite: Admission to the Honors Program. Few if any individuals escape violence in some form. Whether it is school violence, domestic violence, gang violence, stalking, or even serial killings, each of us are exposed to violence. This course examines psychological, sociological, biological, and physiological consequences of the violence. Gordon Rule Additional Writing credit.

IDH2934: (H) Honors Special Topics 3

Prerequisite: Admission to the Honors Program. This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated for up to 4 times for a total of 12 credits under different topics.

IDH2935: G(W) Honors Selected Topics 3

Prerequisite: Admission to the University Honors track. Selected topics. Offerings have included: Image Culture; Moral Decision Making for the 21st Century; Care of the Soul on Campus; Food and the Popular Media; Great Books; Classics from East to West. Gordon Rule Additional Writing credit.

IDH3408: Leadership in Contemporary America 3

Prerequisite: Admission to the Honors Program. This seminar will seek to describe and understand how the nation's leadership dealt with this historic era (1939-1968). A cursory overview of the leadership personalities subsequent to 1968 will also be conducted at the conclusion of the course.

IDH3621: The Healing Arts 3

Prerequisite: Admission to the Honors Program. We will explore the classical traditions of medicine and their re-interpretation during the Protestant Reformation and the Scientific Revolution. Students will discover and analyze the tents of Galen, whose humoral system monopolized medicine for over a thousand years. They will learn about the role of the Church in regulating certain medical activity and why the arrival of religious reform challenged Galenic thought. Control of the medical marketplace by elitist physicians persisted until the 17th century, shutting out surgeons, apothecaries and other irregulars (including midwives and wise women) from licensed responsibility.

IDH3632: (GW)(H) Service Learning: Environmental Issues 1

Prerequisite: Admission to the Honors Program. During this

colloquium, students will experience service through various service or educational organizations. All students will participate in service at an assigned site three hours per week. Students will choose in the beginning of the semester where they wish to participate in service and will have the opportunity to look at various issues related to the environment. Serving weekly, students will learn first-hand the challenges facing environmental organizations and or awareness education and see how they can directly impact and make a difference. This alone does not constitute service learning; it is how one integrates this experience into themselves and their thinking. Gordon Rule Additional Writing credit.

IDH3924: Hicks Honors Pre-Capstone

Symposium

v. 0-1

Description: This course is a required introduction to the upper-division Hicks Honors College program, and focuses especially on the Capstone. The course also develops the Honors community, acquaints students with the requirements of the upper-division Hicks Honors program, provides a complete overview of the resources provided through the program, guides students in mapping out their specific curricular and co-curricular paths, and introduces them to the expectations of the e-portfolio and Capstone requirements. It may also focus on different academic themes. Participation in Honors-sponsored events outside of class time is expected. The course should be taken the semester in which students begin the upper-division Hicks Honors program.

IDH3932: Jr. Honors Interdisciplinary

Seminar

3

Prerequisite: Admission to the Interdisciplinary Honors track.
Corequisite: Maintain a 3.4 UNF cumulative GPA. A junior-level, interdisciplinary seminar offering a collaborative experience in which each student pursues a term-long project related to their particular major or to their prospective career. Course subjects vary from term to term.

IDH3936: Honors Pre-Capstone Seminar

0

Prerequisite: Current Honors student in good standing; IDH 1923

Description: The Pre-Capstone Seminar will help students identify an appropriate project topic, understand the motivation and purpose of the capstone process, identify a capstone faculty member, and complete the pre-capstone proposal. The Capstone Project will be completed in the junior and/or senior year, but students may begin thinking about potential projects prior to that time.

Availability: Two semesters per year

IDH4912: Honors Directed Independent

Study

v. 1-6

Prerequisite: IDH 1923

Description: The Honors Directed Independent Study allows Honors students to become involved in one-on-one interaction with a faculty member on a project in their discipline or across disciplines. The faculty member, in consultation with Honors, will determine the number of credits.

Availability: Every semester

IDH4937: Honors Capstone Seminar

1

Prerequisite: Current Honors students; IDH 1923 and IDH 3936

Description: The Honors Capstone should provide students with the occasion to think holistically about their university education, their Honors experience, the goals of Honors, and their future ambitions. The Honors Capstone will typically be a credit-bearing activity pursued in the context of advanced coursework, or an internship, or a research project, or perhaps study abroad, in conjunction with a student's major. For that reason, every capstone project requires a discipline-based mentor who must attest to the appropriateness of the learning outcomes of the proposed project and to the satisfactory attainment of those outcomes (in the post-capstone report phase). In addition, each Honors student will work with one of three Honors mentors who will review the anticipated relevance of the proposed project to the goals of Honors and the actual resonance between the completed project and the goals of Honors.

IDH4946: Honors Internship

v. 1-6

Prerequisite: Current Honors student in good standing; IDH 1923

Description: The Honors Internship options allows Honors students to complete an internship in their discipline (if an appropriate internship course is not available by the appropriate department) or across disciplines. The faculty member, in consultation with Honors, will determine the number of credits.

Availability: Every semester

MSL1001: Leadership and Personal Development

2

Co-requisite: MSL 1001L This course introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Lessons are designed to maximize participation, inspire intellectual curiosity, stimulate self-study and encourage team building through military/life skills. Each student must also register for and attend a two-hour weekly leadership laboratory (MSL 1490L). Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL1001L: Freshman Leadership Laboratory I

0

Co-requisite: MSL 1001 The Freshman Leadership Laboratory consists of a two-hour block of instruction directly supporting freshman classroom instruction. Cadets implement the initial classroom lessons in a real-world setting to form the building blocks of the Army's values, physical fitness, leadership and officership. Participation in at least one weekend field training exercise and two army physical fitness tests are required.

MSL1002: Introduction to Tactical Leadership

2

Co-requisite: MSL 1002L This course covers leadership fundamentals such as setting direction, problem solving, listening,

presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, and competencies in the context of practical, hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the Cadets through common experience and practical interaction are critical aspects of the MSL 1020 experience. Students must register for and attend a two-hour, weekly leadership laboratory (MSL 1492L). Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL1002L: Freshman Leadership

Laboratory II

0

Co-requisite: MSL 1002 The Introduction to Tactical Leadership Laboratory consists of a two-hour block of instruction that directly supports freshman classroom instruction. This lab overviews leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, and competencies in the context of practical, hands-on, and interactive exercises.

MSL2101: Individual Leadership Studies

2

Co-requisite: MSL 2101L This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army Leadership Requirements Model (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties, and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the Contemporary Operating Environment (COE). Students must register for and attend a two-hour, weekly leadership laboratory. Students not on scholarship who enroll in this basic course do not incur any service obligation to the US

Army.

MSL2101L: Sophomore Leadership

Laboratory I

0

Co-requisite: MSL 2101 MSL 2101 explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army Leadership Requirements Model (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties, and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the Contemporary Operating Environment (COE). Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL2102: Foundations of Tactical

Leadership

2

Co-requisite: MSL 2102L This course examines the challenges of leading tactical teams in the complex COE. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. This course provides a smooth transition into MSL 3201. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Students must register for and attend a two-hour, weekly leadership laboratory. Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL2102L: Sophomore Leadership

Laboratory II

0

Co-requisite: MSL 2102 The Sophomore Leadership Laboratory II consists of a two-hour block of instruction that directly supports classroom instruction. Cadets implement the initial classroom lessons in a real world setting, MSL 2102 examines the challenges of leading tactical teams in the complex Contemporary Operating Environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. MSL 2102 provides a smooth transition into MSL 3201. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Students not on scholarship who enroll in this basic course do not incur any service obligation to the US Army.

MSL3201: Adaptive Team Leadership

3

Co-requisite: MSL 3201L MSL 3201 challenges Cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and critical-thinking skills. Cadets receive systematic and specific feedback on their leadership values, attributes, skills, and actions.

MSL3201L: Leadership and Problem Solving Laboratory

0

Co-requisite: MSL 3201 This leadership laboratory course provides practical application of topics covered in MSL 3201. This lab challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and

critical-thinking skills. Cadets receive systematic and specific feedback on their leadership values, attributes, skills and actions.

MSL3202: Leadership in Changing

Environments

3

Co-requisite: MSL 3202L MSL 3202 uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading tactical operations. Having learned squad-level tactics in MSL 3201, cadets now learn to lead up to platoon level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. The focus is on exploring, evaluating, and developing skills in decision making, persuading, and motivating team members in the COE. MSL 3202 cadets are evaluated on what they know and do as leaders as they prepare to attend LDAC.

MSL3202L: Leadership and Ethics

Laboratory

0

Co-requisite: MSL 3202 This leadership laboratory course provides practical application of topics covered in MSL3202. This lab challenges Cadets to study, practice, and evaluate adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small-unit tactical operations are used to develop self-awareness and critical-thinking skills. Cadets receive systematic and specific feedback on their leadership values, attributes, skills, and actions.

MSL4301: Adaptive Leadership

3

Prerequisite: Requires completion of MSL 3201, MSL 3202 or professor of Military Science permission

Co-requisite: MSL 4301L This course provides practical exercise in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow ROTC

Cadets. MSL IV Cadets are measured by their ability to give and receive systematic and specific feedback on leadership abilities using the Socratic model of reflective learning. Cadets at the MSL IV level analyze and evaluate the leadership values, attributes, skills, and actions of MSL III Cadets while simultaneously considering their own leadership skills. Attention is given to preparation for success at BOLC II and III, and the development of leadership abilities.

MSL4301L: Leadership and Management

Laboratory

0

Prerequisite: Requires completion of MSL 3201, MSL 3202 or professor of Military Science permission

Co-requisite: MSL 4301 This laboratory enables the application of the lessons learned in the classroom in a practical environment. It develops proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow ROTC Cadets. MSL IV Cadets are measured by their ability to give and receive systematic and specific feedback on leadership abilities using the Socratic model of reflective learning. Cadets at the MSL IV level analyze and evaluate the leadership values, attributes, skills, and actions of MSL III Cadets while simultaneously considering their own leadership skills. Attention is given to preparation for success at BOLC II and III, and the development of leadership abilities.

MSL4302: Leadership in a Complex World

3

Prerequisite: MSL 4301

Co-requisite: MSL 4302L This course explores the dynamics of leading in the complex situations of current military operations in the COE. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and practical demands

of leading as commissioned officers in the United States Army.

MSL4302L: Officership Laboratory

0

Prerequisite: MSL 4301

Co-requisite: MSL 4302 This laboratory enables the practical application of lessons learned in the MSL 4302 classroom. It explores the dynamics of leading in the complex situations of current military operations in the COE. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army.

MSL4905: Independent Study

v. 1-3

Prerequisite: Requires departmental permission. Enrollment is determined by the Professor of Military Science This course introduces students to fundamental leadership styles and their effectiveness in and out of the work place; Students will be able to mend growing problems and work to further solidify unity in the environment; Students will also work on military counseling and the methods for which it is used.

MSL4941: Advanced Leader Training

4

Leadership development and assessment course is the army's 5-week leader internship conducted at Fort Lewis, Washington from June through August. The instructor places each cadet in a variety of leadership positions, many of which simulate stressful combat situations. Cadets are evaluated by platoon tactical officers and NCOs. Training is organized into separate committees in a tiered structure, including basic military skills, leadership development, tactical training, basic rifle marksmanship and situational training exercises. Although this course is not conducted on campus grading will be conducted by university faculty.

Undergraduate Courses

Undergraduate Studies

SLS1106: First Year Seminar

1

Description: First Year Seminar is intended to provide students with the tools necessary to be successful at the University of North Florida and ensure a smooth, thoughtful transition to college. Through interdisciplinary engagement and an introduction to a variety of resources available at UNF, students will create their own college success plan detailing their major selection process, campus involvement and leadership opportunities, and additional academic and co-curricular endeavors to prepare them for achievement of career goals and success after graduation. This course aims to foster a sense of community on campus, promote engagement in the academic and social life of the university, articulate expectations of faculty, and help students develop and hone sound learning strategies that will serve as the foundation for collegiate success and beyond. This course will be taught by faculty across the university and is not repeatable.

SLS1930: Community Engagement - UNF

Cares: Special Topics

1

Description: This special topics Community-Based Transformational Learning course is intentionally designed for and offered to First Time In College (FTIC) students. Students are introduced to selected interdisciplinary topics and issues through activities in community settings that are designed to meet community needs. Students explore their individual strengths while considering how their assets can have a positive impact in the world. While many University courses develop students'™ skills, knowledge, and expertise to pursue a career, this course provides a time for students to explore their purpose and place in this world. During the semester, students will connect with new people, new ideas, new places, and new challenges. Through this experience students may gain a clearer sense of purpose or begin to consider new directions. This is a student's™ opportunity to explore possibilities and use their strengths in real-world settings.

Graduate Courses

Clinical & Applied Movement Sc

APK5332: Pharmacology for Chronic Diseases

3

Description: This course will present current knowledge related to the pharmacokinetics and pharmacodynamics of common drugs related to chronic disease patient management. This course will focus on pharmacotherapy for today's most prevalent chronic conditions. Additionally, the course will explore the influence of exercise and physical activity.

APK6056: Special Topics in Kinesiology and Lifestyle Medicine

3

Prerequisite: APK6116C

Description: This course provides topics of special interest in physical activity epidemiology, which may vary each time the course is offered. Course content may be exercise science, advanced epidemiological methods in physical activity research, or a combination of both. The special interest topic, when offered, will be stated in the schedule booklet. The course is fixed in credit hours and may be repeated once with different content.

APK6057: Research in Kinesiology and Lifestyle Medicine

3

Prerequisite: APK6116C

Description: This course will teach students how to develop a scientific question, conduct an literature review, choose a study design, manage and analyze data, and write scientific abstracts and manuscripts.

APK6107C: Cardiovascular Exercise Physiology and ECG

3

Prerequisite: APK 6116C

Description: This course will examine healthy and pathological cardiovascular physiology. This course will cover advanced diagnostic and exercise testing techniques including 12-lead electrocardiography interpretation. Assessment, primary, secondary and tertiary care options for cardiovascular health will also be covered.

Course Fees: \$30

APK6111C: Medical Exercise Physiology 3

Prerequisite: APK 6116C

Description: This course involves the study of how exercise and physical activity are utilized in medical and rehabilitative environments for the prevention and treatment of chronic diseases. The mechanisms of medications typically prescribed for a plethora of chronic diseases will be addressed as well as their exercise interactions. The knowledge and skills (KS[™]s) that help prepare students for the American College of Sports Medicine (ACSM) certification as a Clinical Exercise Physiologist will be covered.

Course Fees: \$30

APK6116C: Exercise Physiology and Laboratory Techniques 3

Description: This course will present rudimentary and intermediate physiological processes in the field of exercise physiology. The course will focus on cardiorespiratory fitness, energy balance, body composition, metabolism, and muscle physiology. The laboratory experiences will focus on metabolic testing (VO₂, resting metabolic rate, lactate, thermoregulation), contrasting various body composition methodology, and exercise prescription.
Course fees: \$30

APK6127C: Human Physiological Assessment 3

Prerequisite: APK 6116C

Description: This course will cover advanced concepts of the physiological assessment of human fitness, validated laboratory methods and field tests for assessing human fitness and

performance. Physiological components examined will be aerobic and anaerobic power, heart rate variability, and lactate and ventilator markers. Fitness components covered will include muscle power and strength, flexibility, and a range of field test. Two hours per week will be lecture and one hour per week will be laboratory activities.

APK6135: Periodization

3

Prerequisite: APK 6116C

Description: The course will cover sequential training theories necessary for developing an athlete including the basis for training, principles of training, training preparation, variables of training, and rest and recovery methodologies. This course will enable students to conceptualize and develop an annual training plan for a multitude of athletes, which includes workout planning, training cycles and contest peaking. The student will also gain knowledge in the areas of sport specific skills including strength development, endurance training, and speed and agility training.

APK6176: Advanced Concepts in Strength Training

3

Prerequisite: APK 6116C

Description: This course will cover advanced concepts of strength training in both athletes and special populations. Areas addressed include basic training and adaptations principles as well as advanced strength concepts with regard to athlete specific strength. Training intensities, timing, and goal specific strength training will be covered in detail.

APK6235C: Physical Activity Measurement in Research and Medicine

3

Prerequisite: APK 6116C

Description: This course provides students with a comprehensive overview of physical activity measurement using objective physical activity monitors, surveys and questionnaires, and direct observation. Proper use, limitations, validity, and reliability of each type of measurement will be discussed in terms of research and medical utilization. Students will gain experience with collecting, analyzing, and comparing measurement results.

APK6327: Seminar in Kinesiology and Lifestyle Medicine

v. 1-3

Description: This seminar will include selected topics in exercise science, chronic disease, and physical activity epidemiology.

APK6336: Physical Activity Epidemiology and Evidence Review

3

Description: This course will discuss rudimentary concepts in epidemiology and examine the associations between various chronic diseases and exercise, physical activity and fitness. This course will integrate selected scientific studies and the learner will be able to distinguish study designs and explain study findings in a group setting. The learner will write scientific critiques for selected studies demonstrating their ability to evaluate study designs, methodology, data analysis, and findings.

APK6415: Behavioral Medicine

3

This course will cover advanced concepts of behavioral medicine including health behavior change theory, intervention, and psychosocial antecedents and consequences.

APK6900: Independent Study in Kinesiology and Lifestyle Medicine

3

Prerequisite: APK 6116C

Description: Students will conduct specific health related research or course development activities under the guidance of a faculty advisor. The outcome of these activities will result in manuscript preparation, abstract preparation and presentation, and/or course development.

Repeatability: May be repeated for up to 6 credits.

APK6942: Internship or Project in Kinesiology and Lifestyle Medicine

v. 3-6

Prerequisite: APK 6116C

Description: The internship experience will provide an opportunity

to gain experience in a specific area of career interest in exercise science and chronic disease. The project option will provide an opportunity for the student to conduct a guided comprehensive literature review on an approved topic of their choice leading to the submission of a review paper for publication in a peer-reviewed journal.

APK6972: Thesis in Kinesiology and Lifestyle Medicine

v. 3-6

Prerequisite: APK 6057 and APK 661C

Description: Students choosing to complete a thesis may do so over two semesters. The thesis project must be a hypothesis-based original research study or a hypothesis generating descriptive study utilizing a secondary data-analysis approach. The student must successfully complete HSC 6906 prior to enrolling in APK 6972. For the thesis option, students are required to submit a revised proposal (an update of the HSC 6906 proposal) for review and approval by the faculty adviser and chosen thesis committee one month prior to the beginning of the term. Students must meet with the faculty adviser periodically to discuss project progression. Graduation with a thesis is contingent upon the approval of the thesis committee. Thesis students will be required to present their final project to their faculty committee both orally (thesis defense) and in writing.

Repeatability: May be repeated two times or six credits may be taken simultaneously.

ATR5105C: Foundations in Athletic Training

3

Description: Overview course to provide students with foundational information and skills necessary in the clinical practice of Athletic Training. Topics include acute care, risk management, orthopedic taping and bracing, and equipment fitting. Students will also learn the roles and responsibilities of a Certified Athletic Trainer and the sports medicine team. This course includes 2 credit hours for lecture and 1 credit hour for lab. Course fees: \$30

ATR5119C: Emergency Management of

Athletic Trauma

3

Description: This course presents the advanced study and application of emergency management techniques in dealing with trauma resulting from injuries and illnesses suffered by a physically active population. This course includes 2 credit hours for lecture and 1 credit hour for lab.

Course Fees: \$15

ATR5126C: Gross Anatomy for Athletic Trainers

4

Description: This course provides an in depth examination of human anatomy, with an emphasis on musculoskeletal anatomy, through the use of human cadaveric specimens. This course includes 1 credit hour for lecture and 3 credit hours for lab.

Course Fees: \$75

ATR5217C: Orthopedic Assessment and Diagnosis I

3

Prerequisite: ATR 5126C and ATR 5105C

Description: The study and practice of techniques used when assessing orthopedic and athletic-related injuries to the lower extremity and lumbar spine. The student will integrate knowledge of anatomical structures, biomechanics, and evaluative techniques to form a basis for an initial treatment plan. This course includes 2 credit hours for lecture and 1 credit hour for lab.

Course Fees: \$15

ATR5218C: Orthopedic Assessment and Diagnosis II

3

Prerequisite: ATR 5126C, ATR 5105C and ATR 5217C

Description: The study and practice of techniques used when assessing orthopedic and athletic-related injuries to the upper extremity and cervical/thoracic spine. The student will integrate knowledge of anatomical structures, biomechanics, and evaluative techniques to form a basis for an initial treatment plan. This course includes 2 credit hours for lecture and 1 credit hour for lab.

Course Fee: \$15

ATR5306C: Therapeutic Interventions I **3**

Prerequisite: ATR 5126C and ATR 5105C

Description: A study of current theory and operation of therapeutic modalities as they relate to the healing process and are used in the treatment of injuries in a physically active population. This course includes basic physics, physiological effects, indications, and contraindications for therapeutic modalities commonly utilized in the Athletic Training-sports medicine setting. This course includes 2 credit hours for lecture and 1 credit hour for lab.

Course Fees: \$15

ATR5307C: Therapeutic Interventions II **3**

Prerequisite: ATR 5306C

Description: This course examines the theory and application of various contemporary methods of therapeutic exercise in the rehabilitation of injuries to the physically active population. The student is introduced to manual therapy techniques and other primary components of comprehensive rehabilitation designs. This course includes 2 credit hours for lecture and 1 credit hour for lab.

Course Fees: \$15

ATR5406C: Clinical Medicine **3**

Prerequisite: ATR 5126C

Description: This course provides an overview of the knowledge and skills that an athletic trainer must possess to recognize, treat, and refer when appropriate, general medical conditions and disabilities of athletes and others involved in physical activity. Pharmacology is included as it relates to general medical conditions and disabilities of physically active individuals. This course includes 2 credit hours for lecture and 1 credit hour for lab.

Course Fees: \$15

ATR5815C: Clinical Integration I **3**

Prerequisite: ATR 5126C and ATR 5105C

Description: An introductory experience in an Athletic Training-sports medicine setting with follow-up seminars. Students will develop competence in foundational Athletic Training skills while

providing care to physically active individuals under the direct supervision of a Certified Athletic Trainer. Additional clinical education experiences may be provided under the direct supervision of other licensed health care providers. This course includes 1 credit hour for lecture and 2 credit hours for lab.

Course Fees: \$15

ATR5825C: Clinical Integration II

3

Prerequisite: ATR 5815C

Description: An intermediate clinical experience in an Athletic Training - sports medicine setting with follow-up seminars. Students will develop competence in mid-level Athletic Training skills while providing care to physically active individuals under the direct supervision of a Certified Athletic Trainer. Additional clinical education experiences may be provided under the direct supervision of other licensed health care providers. This course includes 1 credit hour for lecture and 2 credit hours for lab.

Course Fees: \$15

ATR6308C: Therapeutic Interventions III

3

Prerequisites: ATR 5306C and ATR 5307C

Description: This course examines the implementation, functional progressions, and outcomes in the process of treating and rehabilitating injuries in a physically active population. The course focuses on the rehabilitation goals and objectives as well as return to participation criteria. This course includes 2 credit hours for lecture and 1 credit hour for lab. Course Fee: \$11.50

ATR6505C: Seminar in Athletic Training

3

Description: This course integrates prior Athletic Training coursework and clinical education experiences for the BOC Certification Exam. This course will also serve as a forum for discussion of current Athletic Training issues. This course includes 2 credit hours for lecture and 1 credit hour for lab. Course Fee: \$11.50

ATR6516: Athletic Training Administration

3

Description: This course provides an overview of the necessary policies, procedures, maintenance, and daily operation of Athletic Training facilities. Emphasis will be placed on human resource, financial and information management, principles of facility design and planning, legal and ethical considerations, and professional development as it relates to Athletic Training.

ATR6617: Research Methods

3

Description: This course explores the process and methods of scientific inquiry and interpretation of research findings in Athletic Training. Students will gain familiarity with the major elements of research including literature review, design and methodology, statistical analysis, presentation of data, and ethical considerations.

ATR6618: Applied Research

3

Prerequisite: ATR 6617

Description: This course is designed for students to complete a capstone research project that will produce a scholarly product that will contribute to the profession of Athletic Training and one's own personal endeavors.

ATR6835C: Clinical Integration III

3

Prerequisite: ATR 5815C and ATR 5825C

Description: An advanced clinical experience in an Athletic Training - sports medicine setting with follow-up seminars. Students will integrate mid-level and advanced Athletic Training skills while providing care to physically active individuals under the direct supervision of a Certified Athletic Trainer. Additional clinical education experiences may be provided under the direct supervision of other licensed health care providers. This course includes 1 credit hour for lecture and 2 credit hours for lab. Course Fee: \$15

ATR6845C: Clinical Integration IV

3

Prerequisite: ATR 5815C, ATR 5825C and ATR 6835C

Description: An advanced clinical experience in an Athletic Training - sports medicine setting with follow-up seminars.

Students will integrate advanced Athletic Training skills while providing care to physically active individuals under the direct supervision of a Certified Athletic Trainer. Additional clinical education experiences may be provided under the direct supervision of other licensed health care providers. This course includes 1 credit hour for lecture and 2 credit hours for lab. Course Fee: \$15

ATR6907: Independent Study in Athletic Training

v. 1-3

Description: This course is designed to provide the student with an opportunity to gain or enhance knowledge and/or skills in the field of athletic training. This course may be repeated up to 6 credits and is an optional elective for students.

ATR6945L: Clinical-Decision Making I **1**

Prerequisite: ATR 5217C, ATR 5218C, ATR 5306C and ATR 5307C

Description: In this course students will apply knowledge in the areas of injury prevention, orthopedic assessment, and therapeutic interventions in the management of injuries among physically active individuals through the use of case studies and simulations.

ATR6946L: Clinical-Decision Making II **1**

Prerequisite: ATR 5119C, ATR 5406C, ATR 6515 and ATR 6945C

Description: In this course students will apply knowledge in the areas of clinical medicine, emergency care, health care administration, and evidence based practice in the athletic training setting through the use of case studies and simulations.

ATR6949C: Clinical Integration Experience **3**

Description: A clinical experience in an Athletic Training - sports medicine setting with follow-up seminars for students who may not complete the Clinical Integration courses in sequential manner (i.e. student athletes who cannot complete a Clinical Integration

course due to in season sport requirements). Students will integrate Athletic Training skills while providing care to physically active individuals under the direct supervision of a Certified Athletic Trainer. Additional clinical education experiences may be provided under the direct supervision of other licensed health care providers. This course may be repeated up to 6 credits. This course includes 1 credit hour for lecture and 2 credit hours for lab.

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Graduate Courses

Nutrition & Dietetics

DIE6127: Advanced Administration of Food and Nutrition Services

3

Prerequisite: Undergraduate Nutrition Degree or Equivalent. This course equips graduate students and practicing dietitians with leadership and management skills needed to establish and maintain effective food and nutrition programs in the future. Food service and clinical nutrition management is addressed so students can adapt to a changing healthcare environment.

DIE6248: Clinical Nutrition

3

Prerequisites: HSC 4572, MCB 2013C, CHM 2045C. This course is designed to provide the advanced student with knowledge of current relevant research and its application to the clinical setting.

DIE6390: Nutrition and Health in Refugee Populations

3

Description: This course provides students with real life skills and experiences in the community working with refugee families that can be translated directly into practice in other communities. Students will work in multidisciplinary teams to address an identified need of a given refugee population and formulate solutions from a variety of health perspectives.

Availability: One semester per year

DIE6900: Dietetics Readings and Conference

v. 1-3

The course involves in-depth readings and group discussions and conferences on selected topics or critical issues in the dietetics field. The readings will vary but will involve a formal survey of the literature and presentation of findings.

DIE6906: Dietetics Independent Study and Research

v. 3-9

Prerequisite: Permission of Department Chair This course involves design and completion of a specific dietetics research project conducted under the guidance of a faculty member. It may be repeated up to 15 credits.

DIE6912: Projects in Nutrition and Dietetics **v. 1-6**

This course involves the development, implementation, or participation in conducting a designated project related to dietetics. May be repeated for up to 12 credits.

DIE6931: Special Topics in Dietetics **3**

This course is a detailed study of a topic in the dietetics field. Topics will vary each time the course is offered and will be based on the need to address a current dietetics issue or topic in detail. Students should refer to the "Schedule of Courses" or the department for further information. The course may be repeated for up to 12 credits with a change in course content.

DIE6940: Clinical Practice in Nutrition and Dietetics I **3**

Description: This course is designed to provide a supervised clinical experience in dietetics that develops and enhances the entry level competencies in food service, clinical, community, and specialty practice.

Repeatability: This course may be repeated for a maximum of 15 credits.

Course Fees: \$125.46

DIE6941: Clinical Practice in Nutrition and Dietetics II **3**

This course provides the advanced student with supervision and consultation regarding their current internship rotation. Experiences in these settings provide the student with an opportunity to apply the knowledge and skills acquired throughout the academic portion of the curriculum to any management,

community, or clinical setting. Under the direct supervision of a preceptor, the student will begin transitioning from a novice dietetics practitioner to entry-level performance according to the standards set forth by Academy's Code of Ethics and Standards of Practice. The actual procedures and sequence of experiences will be determined by the nature of each setting contracted by the program but designed to provide the core competencies assigned to the rotation. The student will have the opportunity to self-assess professional performance in addition to the preceptor evaluation at midterm and the end of the semester.

DIE6942: Clinical Practice in Nutrition and

Dietetics III

3

This course provides the advanced student with supervision and consultation regarding their current internship rotation.

Experiences in these settings provide the student with an opportunity to apply the knowledge and skills acquired throughout the academic portion of the curriculum to any management, community, or clinical setting. Under the direct supervision of a preceptor, the student will begin transitioning from a novice dietetics practitioner to entry-level performance according to the standards set forth by Academy's Code of Ethics and Standards of Practice. The actual procedures and sequence of experiences will be determined by the nature of each setting contracted by the program but designed to provide the core competencies assigned to the rotation. The student will have the opportunity to self-assess professional performance in addition to the preceptor evaluation at midterm and the end of the semester.

DIE6943: Clinical Practice in Nutrition and

Dietetics IV

3

This course provides the advanced student with supervision and consultation regarding their current internship rotation.

Experiences in these settings provide the student with an opportunity to apply the knowledge and skills acquired throughout the academic portion of the curriculum to any management, community, or clinical setting. Under the direct supervision of a preceptor, the student will begin transitioning from a novice dietetics practitioner to entry-level performance according to the standards set forth by Academy's Code of Ethics and Standards of Practice. The actual procedures and sequence of

experiences will be determined by the nature of each setting contracted by the program but designed to provide the core competencies assigned to the rotation. The student will have the opportunity to self-assess professional performance in addition to the preceptor evaluation at midterm and the end of the semester.

DIE6945: Dietetics Field Experience

v. 3-9

Prerequisite: Approval of the Department Chairperson This course provides field experience in dietetics. Students are required to complete 10 hours per week in their field experience (150 hours) per semester for each 3 credits. This course also requires that students give a presentation to faculty and site supervisors summarizing the work in the field.

DIE6970: Thesis

v. 1-6

Prerequisite: Permission of the Department Chair and consent of faculty member directing thesis work.Under the direction of a faculty member, the student designs, executes, and prepares for professional presentation a clinical, community or food service dietetics research project. May be repeated up to 27 hours maximum.

HSC6509: Nutritional Epidemiology

3

This course teaches history, concepts, skills, and research designs and methods relevant to nutrition epidemiology. The course reviews nutritional epidemiology research related to mortality and morbidity and describes how this research relates to public health dietary recommendations and nutrition and dietetic practice.

HUN5265: Methods of Nutritional Assessment

1

Prerequisites: HSC 4572, BCH 3023C, CHM 1025C. Study of methodology, skills and tools in measurement of the nutritional status of healthy individuals in community, patients in the hospitals, or study subjects are extensively studied. The objectives of nutritional assessment of individuals is defined in prevention of malnutrition and intervention methods used in treatment of nutritional deficiencies.

HUN6123: Sociocultural Influences on

Nutrition

3

Prerequisites: Must have a baccalaureate degree in Nutrition and/or Dietetics from an ACEND accredited program.

Description: Examination of the non-nutritional factors that influence nutrition. The course will cover evolution of diet, food selection, persistence and change, psycho-social, structural and symbolic aspects of food choices and their relationship to nutrition.

HUN6249: Nutrition and Metabolism

4

Description: The biochemical, biosynthesis, and metabolic function of macronutrients and micronutrients in different tissues, and the production and storage of energy are studied. Biochemical basis for deficiency and toxicity of micronutrients are explored.

HUN6285: Nutrition and Metabolism I

3

Prerequisites: HSC 4572 and BCH 3023C. Biochemical function of nutrients, biological variability and adaptation, macro-nutrient metabolism, energetics, food thermogenesis, mitochondrial oxidation, production and storage of energy are studied. Carbohydrates, lipids, and proteins, cholesterol, phospholipid, omega-3 fatty acids, prostoglandins, and other recently described essential nutrients are covered.

HUN6331: Nutrition and Metabolism II

3

Prerequisite: HUN 6285 Biochemical function and metabolism of micronutrients, function and nature of the vitamins, biosynthesis and metabolism of enzymes, vitamins, their regulatory role as coenzyme and essentiality, bioavailability of minerals, and other recently described essential nutrients are covered. Biochemical basis for deficiency and toxicity of micronutrients are explored.

HUN6522: Advanced Public Health

Nutrition

3

Prerequisite: HUN 2201 or equivalent course. Students will describe and critique existing nutrition programs, evaluate the positive and negative impact of public health nutrition initiatives, and examine the role of legislative, political processes and social marketing processes in achieving social nutrition goals.

HUN6612: Nutrition Education and Counseling

3

Prerequisite: Must have a baccalaureate degree in Nutrition and/or Dietetics from an ACEND accredited program

Description: Students will examine different approaches to nutrition education and develop materials and presentations. They will conduct and critique mock interviewing and counseling sessions to persons with different nutrition needs and evaluate follow-up and evaluation techniques

HUN6910: Nutrition and Dietetics Research

3

Prerequisite: HSC 4730 Foundations of Health Science Research
This course teaches the investigative and analytical methods used in nutrition and dietetics related research. The course reviews research design, sampling techniques, data collection and processing, and interpretation of the results and ethics. The course includes synthesis of findings within the research for application to clinical practice.

HUN6911: Nutrition and Dietetics Seminar v. 1-3

v. 1-3

This course is a culminating experience in which students demonstrate expertise in a selected line of inquiry related to nutrition and dietetics research. Students will present a peer and faculty reviewed professional presentation. Students must also successfully pass a mock Registration examination to demonstrate expertise in all areas of the discipline. The course may be repeatable up to 6 credits.

HUN6916: Advanced Concepts in Nutrition and Dietetics

3

Prerequisite: HUN 2201, BCH 3023C, CHM 1025C

Description: n analysis of current research on nutritional concerns relevant to public health practice. Included are nutrition policy and

nutrition program design, community food and nutrition programs, and advanced strategies of nutrition education.

Course Fees: \$16.83

HUN7219: Advanced Concepts in Clinical Nutrition

3

Description: The purpose of this course is to evaluate the status of current practice in clinical nutrition. Students examine current issues surrounding evidence-based clinical practice and analyze their implications for patient care.

Availability: One semester per year

HUN7518: Advanced Concepts in Public Health Nutrition

3

Description: This course is one of the foundation courses for the DCN program. This course examines current issues in public health nutrition and applies them to practice.

HUN7525: Advanced Nutrition Leadership and Public Policy

3

Description: Students examine their own leadership qualities and evaluate skills needed for leadership roles in nutrition and dietetics. The management and leadership principles presented are examined in the context of current public policy issues.

Availability: One semester per year.

HUN7548: Nutrition for Global Health

3

Description: The course is focused around global nutrition initiatives, programs, and policies, with the aim of identifying the geographic distribution, epidemiology, sociocultural and economic context, underlying causal mechanisms and pathways, and solutions to the wide range of nutrition problems faced by populations around the world.

HUN7625: Advanced Nutrition Counseling **3**

Description: This course provides an overview, analysis, and application of counseling theories and techniques to complex situations related to nutrition and dietetics within the context of the nutrition care process. Students examine different and emerging approaches to nutrition counseling and develop techniques for varied populations.

Availability: One semester per year.

HUN7638: Teaching Nutrition in Higher Education **3**

Description: The course is focused around teaching nutrition in higher education. We will explore principles of pedagogy, learning theories, how learning works, strategies for designing courses, innovative teaching techniques, and evaluation

HUN7645: Current Trends in Nutrition and Dietetics **3**

This course will explore emerging topics in nutrition and dietetics that will likely play an important role in the future of dietetics practice. This course includes topics such as integrative and functional medicine and implications for dietetics practice, social media, sustainability, and bioinformatics.

HUN7788: Nutritional Genomics **3**

Description: This course will explore the relationship between genetic variation and dietary response to nutrients, as well as examine the effects of nutrients and food components on gene expression and genome stability, and how these may affect health outcomes. Students will evaluate recommendations from commercial companies providing direct-to-consumer genetic testing and assess the implications to dietetics practice.

HUN7803: Advanced Topics in Nutrition

Science**3**

Description: The purpose of this course is to review and evaluate current and emerging topics in nutrition science. Topics and assignments will vary according to the latest research.

Availability: One semester per year

**HUN7805: Advanced Concepts in
Nutritional Epidemiology****3**

Description: This course will prepare you to interpret and critique epidemiological studies with respect to research designs and methodology relevant to nutritional epidemiology. We will cover research methods to assess dietary intake, biochemical indicators of dietary intake, body composition and physical activity. This course also prepares you to discuss national surveillance systems used by the U.S. government to monitor nutrition and health of the population, and international issues related to nutritional epidemiology.

**HUN7808: Qualitative Methods in Nutrition
Research****3**

Description: In this course, we will explore what it means to utilize qualitative methods in nutrition research. We will do this by: (a) interrogating various readings, (b) interacting with qualitative researchers, (c) practicing qualitative techniques, (d) collecting data (or acquiring existing data), (e) analyzing those data, (f) beginning to write like qualitative researchers, and (g) engaging in rich discussions throughout the semester. This course will provide participants with basic understandings about qualitative research (what it is, and why it is used), its philosophical underpinnings and associated assumptions, and different types of research methods and analytic techniques that fall under the qualitative umbrella.

**HUN7820: Advanced Concepts in Nutrition
and Wellness****3**

Description: The purpose of this course is to review and analyze nutrition research related to prevention and wellness and its application to practice.

Availability: One semester per year

HUN7831: Grant Development

3

Description: The course will cover elements involved in the development, preparation, submission and review of grant applications to a variety of funding sources including public institutions and private foundations.

Availability: One semester per year

HUN7939: Doctoral Seminar in Nutrition

3

Prerequisite: HUN 7985

Description: In this course students develop a presentation based on the findings from their doctoral research project and present that information at a professional conference or health care research colloquium.

Availability: One semester per year

HUN7943: Advanced Practice Residency

v. 3-6

Description: The DCN Advanced Practice Residency (3 - 6 Credits) will provide comprehensive, evidence-based didactic and experiential education that develops the students' advanced practice skills in a specific focus area. Students must register for a total of 6 credits during the program.

Availability: Every semester

HUN7981: Pre-Doctoral Dissertation

v. 1-3

Co-requisite: NGR 7843

Description: This course will provide tools and resources to prepare you to develop your dissertation proposal and successfully defend it. In order to register for this course, students must have completed all course work in the research core.

Availability: Every semester.

HUN7985: Doctoral Dissertation

v. 1-9

Prerequisite: HUN 7981 and NGR 7843

Description: This course will provide tools and resources to prepare students to write their doctoral dissertation. Students can register for a minimum of 2 credits to a maximum of 9 credits over one to four semesters, depending on the requirements of their research.

Repeatability: This course may be repeated for a total of 9 credits.

Availability: Every semester

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Graduate Courses

Health Administration

GEY6611: Aging and Mental Health

3

Description: This course provides an introduction to the major mental health issues found in a rapidly growing senior population. Emphasis is placed on fundamental knowledge related to identification of care, intervention and treatment strategies that address mental illness and cognitive impairment in elders in community-based and institutional settings.

GEY6813: Aging Capstone

v. 3-6

Prerequisite: HSA 6114, HSA 5177, HSA 6225

Description: The Aging Capstone is designed to provide students the opportunity to gain practical experience while demonstrating the integration of classroom knowledge and theory in management of aging programs and services within the health care industry. Students will select an internship in an aging services organization or a faculty supervised community-based project. This course is a culminating experience and is taken the last semester of academic enrollment.

Repeatability: Course may be repeated for up to 6 credits.

HSA5177: Health Care Finance

3

Corequisite: ACG 2021 or equivalent. This course is designed to provide a foundation in current finance theory with tools needed by health care managers in day-to-day practice. The course finance content encompasses the spectrum of the health care industry and provides financial models used for cost-effective analysis.

HSA6112: International Health Systems

3

Prerequisites: HSA 6114, HSA 6186 and HSA 6940

Description: This course is an intercultural study designed to pair international certificate students and Master of Health

Administration students for the purpose of examining specific health management topics from the framework of different cultures.

HSA6114: Health Organization and Delivery 3

Examines the organization and administration of the U.S. health care system including its various health care service settings, personnel resources, and sources of system finance.

HSA6148: Strategic Planning and Marketing in Healthcare 3

Description: This course introduces the principles, methods and concepts of two primary aspects of strategic management related to health care organizations including strategic planning and marketing. Governance, systems analysis, model development, market and product development, financial planning, process engineering, human resources planning and decision support systems will be introduced as they pertain to the tactical design and implementation of a strategic management culture.

HSA6149: Healthcare Planning and Project Management 3

Prerequisite: Undergraduate marketing course or equivalent.

Description: This course develops the competencies and skills for planning and controlling projects and understanding interpersonal issues that drive successful project outcomes. Focusing on the introduction of new products and processes, it examines the project management life cycle, defining project parameters, matrix management challenges, effective project management tools and techniques, and the role of a project manager.

HSA6158: Health Policy and Law 3

Description: This course provides an overview of the legal system, and health law and policy issues directly impacting healthcare organizations, practitioners and the public. Areas covered will include health care policy development and legal and regulatory actions at the state, federal and local level.

HSA6178: Advanced Health Care Financial Management 3

Prerequisites: HSA 5177, HSA 6196. This course examines the concepts and techniques of financial management in health care delivery system settings. Examines organizational cost behavior, budgeting, cost allocation and financial modeling.

HSA6179: Financial Management for Health Care Organizations 3

Description: This course focuses on health care organizations' financing and financial decisions in the changing health care landscape. It addresses selected financial management concepts, practices, and finance functions in healthcare organizations. It also introduces important financial theories, issues, tools and terminology that administrators need to know to manage health care organizations.

HSA6186: Healthcare Leadership and Organizational Theory 3

Prerequisites: HSA 6114.

Description: This course addresses current leadership and theory focusing on leadership styles, motivation, change management, innovation, and creativity as they relate to the management of health services organizations. This course will review the interaction of leadership styles and organizational theory and behavior to explain why healthcare organizations exist as they do, and how individuals within organizations both affect and are affected by the structure of the organization.

HSA6187: Managing Human Resources in Health Care Organizations 3

Description: This course focuses on the management of people in healthcare organizations. Human resources (HR) strategic planning, HR legal environment, compensation strategies, recruitment/selection/retention, job design and analysis,

performance management, and diversity and inclusion in the workplace will be discussed.

HSA6188: Capstone: Healthcare Strategic Management **3**

Prerequisite: HSA 6435; HSA 6114; HSA 5177.

Description: This "capstone" course is intended to integrate the various disciplines - finance, human resources, law, ethics, policy, operations, research, etc. - into a comprehensive and practical framework. This course will challenge students to put acquired skills, theories and strategies into practice in various segments of the health industry.

Course Fees: \$125.46

HSA6196: Quantitative Analysis for Health Services **3**

Prerequisites: HSA 5177 Health Care Finance This course covers the financial and statistical techniques used in managerial decision-making in the health care industry. Emphasis will be placed on the analysis of financial data and application of analytical tools in the evaluation of healthcare programs and organizations.

HSA6198: Health Information Technology **3**

This course will examine healthcare information systems with respect to their composition, role, and development within the healthcare environment. In addition, the course will discuss methods for evaluating new health information technology for acquisition by healthcare organizations.

HSA6225: Long-Term Care Administration **3**

This course examines long-term care delivery systems with emphasis placed on issues relating to the delivery of quality health services and effective administration. The impact of increased numbers of elderly, increasingly limited resources, state and federal regulatory guidelines and consumer expectations are examined.

HSA6342: Healthcare Human Resources 3

This course focuses on the management of people in healthcare organizations. The course will provide a comprehensive set of managerial tasks and activities designed to develop human resources management (HRM) skills applicable to health services. Aspects of the external environment that affect how people are managed in the healthcare workplace will also be examined.

HSA6385: Quality Management in Health**Care 3**

This course will provide students an opportunity to examine many of the issues related to quality measurement in health care. The course will emphasize individual and group inquiry into various quality measurement programs and will examine the theoretical basis for current quality measurement activity in the health care field.

HSA6386: Population Health for Health**Administrators 3**

Description: This course introduces concepts related to population health and epidemiological methods utilized in the study of the origin, distribution, and control of disease. The course will acquaint students with the fundamentals of epidemiologic inquiry, population studies and design, biases that affect interpretation of clinical studies, and applications to decision-making by management in public and private health care organizations.

HSA6387: Healthcare Quality and Patient**Safety Management 3**

Description: This course will emphasize individual and group inquiry into various quality initiatives and patient safety programs and will examine current quality measurement activity in health care. Topics discussed in the course include the elements of patient safety and satisfaction, measures for improving organizational and patient quality, accountability standards, and the system approach for continuous quality improvement.

HSA6396: Strategic Planning for Health

Information Systems

3

Description: This course includes and expands on the typical management information system course material. It includes a macro application to the strategic planning and implementation of clinical and business information systems. Time is spent exploring the importance of balancing technical innovation, business stewardship, and socially responsible and ethical uses of technology.

HSA6435: Health Economics

3

This course examines supply and demand factors, financing of care, efficiency and cost of delivery as related to the health care system. Special attention will be given to physician and hospital reimbursement and behavior, competition and rationing as mechanisms for controlling expenditures.

HSA6436: Health Economics, Financing and Reimbursement

3

Description: This course examines supply and demand factors, financing of care, efficiency and cost of delivery as related to the health care system. Special attention will be given to physician and hospital reimbursement and behavior, competition and rationing as mechanisms for controlling expenditures.

HSA6512: Leadership and Organizational Behavior in Healthcare

3

Description: This course provides the tools necessary for enhancing leadership effectiveness in today's challenging healthcare environment. Through the use of self-discovery and application of leadership principles students will be better able to contribute to organizational success. The course will also include a review of various organizational behavior theories that can be applied toward the achievement of specific goals within healthcare organizations.

HSA6520: Managerial Epidemiology

3

Description: This course covers epidemiological concepts and methods for measuring and interpreting data related to the distribution and determinants of morbidity and mortality in human populations. The course will acquaint students with the fundamentals of epidemiologic inquiry, population studies and design, biases that affect interpretation of clinical studies, and applications to decision-making in health care and public health management.

HSA6707: Research Methods for Healthcare Management

3

Descriptions: The course provides an overview of select concepts related to research methods including design, data collection, statistical and interpretative analysis. Research method techniques and common statistical applications of importance to healthcare managers are also discussed.

HSA6813: Aging Capstone

v. 3-6

Prerequisite: HSA 6114, HSA 5177, HSA 6225

Description: The Aging Capstone is designed to provide students the opportunity to gain practical experience while demonstrating the integration of classroom knowledge and theory in management of aging programs and services within the health care industry. Students will select an internship in an aging services organization or a faculty supervised community-based project. This course is a culminating experience and is taken the last semester of academic enrollment.

Course Fees: \$125.46

HSA6815: Practicum: Executive Skill Development

3

Prerequisites: HSA 6186

Description: This Executive Skill Development course is designed to develop and enhance the skills necessary for success as a healthcare executive through management practice in health care administration. The course provides the students the opportunity

to gain practical experience and integrate classroom knowledge and theory in an administrative setting within the health care industry.

HSA6905: Policy and Law in Healthcare **3**

Prerequisite: HSA 6114

Description: This course is an introduction to the study of health policy, health law and the legal system. The course will focus on components of health policy and law, including how policy is developed, analyzed, and evaluated. The main emphasis will be upon understanding how governmental bodies produce policy and how the legal and regulatory actions impact the healthcare industry.

HSA6908: Directed Independent Study **3**

PREREQUISITE: Permission of supervising faculty and Department Chair. This course allows the student to complete a specialized study or research project under the direction of program faculty. This course can be repeated once for an additional 3 credits.

HSA6940: MHA Internship **3**

Prerequisite: HSA 5177 and HSA 6196

Description: The Health Administration Internship provides Masters in Health Administration (MHA) students an opportunity to gain practical work experience and improve their knowledge, skills and abilities by integrating lessons and theories gained in the classroom into a professional setting within the health care industry.

HSA6945: Long Term Care Internship **6**

Prerequisite: HSA6225 and completion of program requirements for Geriatric Management (MSH) or the MHA Program and Program Director approval.

Description: The long-term care administration internship provides the student with the opportunity to gain practical experience and integrate classroom knowledge and theory in a skilled nursing facility setting. It is specifically designed to meet the state mandated internship requirements (rule 64B10-16 F.A.C) for

admission to the Florida Nursing Home Administrators Licensure Examination.

Course Fees: \$125.46

HSA6958: Study Abroad: Healthcare

3

PREREQUISITE: Graduate Standing, preference given to BCH students. This course provides the students with the opportunity to study the organization, financing and delivery of health care in other countries. While abroad, students will visit hospitals and health organizations, and meet with local health practitioners as they explore cultural and political issues impacting healthcare. This course may be repeated once for an additional 3 credits.

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Graduate Courses

Physical Therapy

PHT5005: Foundations of Professional Practice and Clinical Education **3**

This course addresses trends and issues relevant to contemporary practice of physical therapy. Topics will include scope of legal/ethical practice; documentation of medical information; the variety of roles/work environments served by physical therapists; context of health care delivery; role of other health professionals; and areas of controversy within the profession. Major emphasis will be on increasing knowledge and skills in developing helping and healthy relationships and in communicating effectively with patients and others.

PHT5257C: Clinical Skills **3**

Description: This course provides an introduction to clinical problem solving, physical assessment, posture screening and procedures of patient mobility. Basic evaluation tools and intervention strategies will be introduced. The course also emphasizes the importance of communication skills.

Course Fees: \$135.13

PHT5806: Clinical Practicum **1**

Prerequisites: Successful completion in previous courses in the DPT curriculum This course is designed to facilitate the integration of clinical skills taught in the academic setting, to allow students to observe and practice those skills in a clinical environment, and to assist students in developing a better understanding of the roles and responsibilities of the physical therapist in clinical settings.

PHT6070: Imaging in Rehabilitation **2**

Description: The purpose of this medical imaging course is to provide the physical therapy clinical doctoral student with the tools

needed to interpret and apply specialized medical imaging information for the rehabilitation patient. Musculoskeletal imaging is emphasized. This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, and physician interaction.

PHT6110C: Gross Anatomy for Physical Therapists

6

Prerequisite: Admission to the Physical Therapy Program This course will be a detailed study of the human body through lecture, laboratory presentations, and cadaver dissection using a regional approach. The primary focus of this course will be on gross anatomy and the relationships between the musculoskeletal, neurological, and vascular systems of the human body. The anatomy of the head and neck, viscera and pelvic floor will also be emphasized. In addition, the course will introduce the student to surface anatomy and normal radiological anatomy. (A laboratory fee of \$170 assessed.)

PHT6126C: Kinesiology

3

Prerequisite: Admission to the Physical Therapy Program This course will be an introduction of the understanding and examination human motion. The concepts and terminology from biomechanics and kinesiology will be used to explain human motion with an emphasis on the neuromuscular control of joint motion and muscle function. A regional approach to the body will explore extremity and trunk movements of functional activities such as walking, squatting, and reaching. Kinesiological and biomechanical concepts presented will be the foundation for physical therapy examination and intervention. (A laboratory fee of \$25 will be assessed.)

PHT6153C: Human Physiology

3

Prerequisite: Successful completion of previous courses in the DPT curriculum This foundational science course will present normal physiology of all the major body systems with emphasis on topics directly related to physical therapy. Basic molecular, genetic and biochemical principles will also be discussed when relevant to the practice of physical therapy. (A laboratory fee of \$25 will be assessed.)

PHT6161C: Clinical Neuroanatomy and Physiology**4**

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course provides an integrative, but concise study of the normal structure and function of the human central and peripheral nervous systems, as well as the pathophysiological mechanisms underlying nervous system dysfunction presented as clinical correlations. This study will provide students with a basis for physical therapy examination, evaluation, and intervention for patients with neurological involvement. Didactic presentations will be supplemented by laboratory sessions to increase understanding of the three dimensional anatomy of the central nervous system. (A laboratory fee of \$100 assessed.)

PHT6191C: Motor Control**3**

Prerequisite: Successful completion of previous courses in the DPT curriculum. Basic neurophysiological and neuropsychological constructs regarding the function of the nervous system are explored. An in-depth review of the cellular level functions are provided. Analyses of normal systems are contrasted with abnormal systems. In depth review of theories and constructs of motor control and motor learning are provided. Particular emphasis is placed on the systems and mechanisms involved in human motor control, function and learning, assessment of the same, and the basis for diagnosis and treatment selection by physical therapists.

PHT6218C: Therapeutic Modalities**3**

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course is designed to instruct physical therapy students in the underlying principles and clinical applications of thermal, electrical, and mechanical modalities. An emphasis will be placed on problem-solving skills and patient education using these modalities. The focus of laboratory sessions is to demonstrate safe and appropriate clinical application of thermal, electrical, and mechanical modalities. Use of these modalities to address the treatment of clinical symptoms including inflammation, muscle re-education, pain, and other dysfunctions will be discussed. A presentation with an emphasis on evidenced-based practice on a chosen modality will be

required. Competencies for each modality must be successfully completed prior to both the written and practical examinations. (A laboratory fee of \$15 assessed.)

PHT6267C: Examination and Intervention **5**

Prerequisite: Successful completion of previous courses in the DPT curriculum This course is a study of basic physical therapy clinical skills related to recognition, examination, and intervention of disorders and injuries of the neuromusculoskeletal system. Foundational concepts and basic skills essential in the physical therapy management of clients will be introduced and applied consistent with the ICF and the Guide to Physical Therapy Practice. Emphasis of the course will be on Examination and Intervention with attention to additional components of patient management: Evaluation, Diagnosis, Prognosis and Outcomes. (A laboratory fee of \$25 will be assessed.)

PHT6306: Pathology-Pharmacology **5**

Description: This course will examine specific pathological conditions common to the practice of physical therapy, and will present current knowledge related to the pharmacokinetics and pharmacodynamics of common drugs related to the physical therapy patient management. Emphasis will be placed upon the determinants of how a specific dose of a drug will eventually reach target tissues and exert a response. Additionally, the course will explore influence of exercise, application of physical agents, and massage on normal pharmacokinetics. Underlying physiological alterations and the physical consequences of such alterations will be reviewed. Treatment rationale, in terms of medical management and physical therapy management, will also be discussed. Conditions covered in this course will cross the lifespan from infancy to advanced age. Although not the focus of this course, differential diagnosis will be an important topic.

PHT6314C: Neurology I: Pathology, Examination and Intervention **4**

Prerequisite: Successful completion of previous courses in the DPT curriculum.

Description: This course will examine specific pathological

conditions common to the practice of physical therapy. Underlying physiological alterations and the physical consequences of such alterations will be reviewed. Treatment rational, in terms of medical management and physical therapy management, will also be discussed. Conditions covered in this course will cross the lifespan from infancy to advanced age. And, although not the focus of this course, differential diagnosis will be an important topic.

Course Fees: \$76.97

PHT6318C: Orthopedic Physical Therapy I:

Extremities

4

Prerequisite: Successful completion of previous courses in the DPT curriculum.

Description: This course is an in-depth study in the recognition, examination, and intervention of disorders and injuries of the musculoskeletal system through the life span, with emphasis on the upper and lower extremities. A problem solving approach is followed with application of the disablement model and evidence-based practice in the management of impairments of the extremities and inclusion of the following elements of patient/client management: examination, evaluation, diagnosis, prognosis, and intervention. Lab sessions focus on specialized examination and intervention skills, including the performance of joint-specific special tests, joint mobilization techniques, orthotics, and impairment-specific therapeutic exercises.

Course Fees: \$15

PHT6553C: Physical Therapy Resid:

Applied Principles Clini Practice I

3

Prerequisite: Enrollment into the Masters in Health -(Track: Orthopedic Physical Therapy) Program This course is an advanced study into the clinical and professional expectations of a resident and expert clinician. The role of medical and diagnostic screening in the care and management of patients with neuromusculoskeletal disorders will be the emphasis of this course

PHT6554C: Physical Therapy Resid:

Applied Principles Clinical Pract II

3

Prerequisite: Enrollment into the Masters in Health -(Track: Orthopedic Physical Therapy) Program This course is an advanced study into the roles of a physical therapist as a clinician, a professional, a manager, a researcher, and an educator. Study of clinical skills will focus on models of clinical reasoning including evidence-based practice. Principles of professionalism and management will be applied in and professional environments. The role of clinical inquiry will be explored with application of principles of patient care. Educational theory will be studied with application to various teaching-learning settings.

PHT6606C: Foundations of Evidence-Based Practice

3

Prerequisite: Successful completion of previous courses in the DPT curriculum This course presents an introduction to principles of clinical inquiry, specifically related to the development of clinically related questions and the process of answering the developed questions. Students are encouraged to compose questions in the context of contemporary health care and physical therapy. Topics covered include critical thinking, the process of reviewing scientific literature, an introduction to information searching, discussion of reliability and validity and the processes of scientific documentation. An introduction to research designs, research methods, and basic data analysis will be explored as well as an overview of experimental and non-experimental research designs. Critique of the scientific literature with application of the literature in evidence-based practice will be an element of all future clinical management courses.

PHT6910: Independent Study - Research

1

Description: In this course the student will work with a faculty member on a research project. Activities may include searching the scientific literature, developing a research question, assisting in the IRB process, writing scholarly products and/or participating in scientific meetings/conferences. Only DPT Program Director can approve students registering for this course if they are not already enrolled in the Doctor of Physical Therapy program.

Repeatability: The course can be repeated for up to 3 credit hours.

PHT6940C: Advanced Clinical Residency 3

Prerequisite: PHT 6553C This course is an internship experience in a specialized area of physical therapy. Experience in clinical settings will provide the student with an opportunity to apply the knowledge and skills acquired in the classroom to patients encountered in the clinic. Procedures and sequence of experiences will vary from student to student and will be determined by the nature of the patients available and the type of clinical setting. Under the direct supervision of a clinical instructor, students will advance their hands-on clinical skills and further develop their critical thinking abilities. Students will practice in accordance with the practice act of the state in which they are practicing and according to the policies and procedures of the individual facility where they are assigned.

PHT6941C: DPT 2A Clinical 5

PHT6942C: DPT 2B Clinical 5

Prerequisite: PHT 6941C

Description: This course targets a variety of clinical experiences based upon facility patient population. Students may be placed in inpatient hospital, rehabilitation settings, outpatient clinics, skilled nursing facilities, school or home care settings and/or other specialty practices. Patients with orthopedic, musculoskeletal, neurological, and/or cardiopulmonary diagnosis may be encountered. Experiences provide the student with an opportunity to apply the knowledge and skills acquired thus far in the academic portion of the curriculum. Under direct supervision of a clinical instructor, the student will begin to advance their hands-on clinical skills and further develop their critical thinking abilities. Students will practice in accordance with the APTA Code of Ethics and Guide to Physical Therapist Practice; the practice act of the state in which they are practicing; and according to the policies and procedures of the individual facility where they are assigned.

PHT7009C: Differential Diagnosis 4

Prerequisite: Successful completion of previous courses in the DPT curriculum.

Description: This course focuses on differential diagnosis and advanced clinical reasoning in physical therapy practice. Emphasis is on recognition of real and potential patient problems as a basis for screening and appropriate treatment and referral. Content includes systems review using case presentations of differential findings in relation to musculoskeletal pathologies. Other major topics include wound care, women's health, pharmacology, and psychology of pain. This is a capstone course, preparing students for practice in direct access environments.

Course Fees: \$51.97

**PHT7183C: Orthopedic Physical
Therapy II: Spine and Occupational
Health** **4**

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course is an in-depth study related to examination and intervention of disorders and injuries of the musculoskeletal system with emphasis on the axial skeleton including temporomandibular joints. Course includes concepts of functional spinal units, interrelationship of group lesions on normal and dysfunctional biomechanics, therapeutic intervention outcomes, and current theories of spinal mechanics. Lab sessions focus on specialized examination and intervention skills, including spinal joint mobilization techniques. Students will gain skills related to the responsibilities and roles of physical therapists in addressing health-related issues within the community, particularly occupational health. Consultation with local industry with completion of an ergonomic analysis is a component of this course. (A laboratory fee of \$25 assessed.)

**PHT7315C: Neurology II: Advanced
Examination and Intervention** **4**

Prerequisite: Successful completion of previous courses in the DPT curriculum This course includes current motor control and motor learning principles as applied to individuals with neurological disorders. Facilitation of improved motor function is a primary goal of this course. Students will learn the theories, philosophies of a variety of treatment strategies

and be able to discuss and integrate the appropriate use of each strategy. This course will require the student to utilize information learned from previous and current course material to apply to clinical patient simulated scenarios. The application of critical thinking skills will be emphasized.

Course Fees: \$25

PHT7328C: Lifespan: Pediatrics

3

Description: This course is designed to provide the DPT student with an entry-level understanding of normal development and then expanded to the identification of abnormal development. The role of the PT in the patient-client management model in the pediatric practice settings will be explored to include: examination, evaluation, diagnosis, prognosis and plan of care for common pediatric conditions across different practice settings including neonatal intensive care units, rehabilitation programs, early intervention programs, and the educational system. Pediatric physical therapy tests and measures and procedural interventions will be explored in depth using the best available evidence from medical, developmental and behavioral science sources. Other topics of discussion reflect contemporary issues in the physical therapy management of children. Case studies will be utilized to emphasize problem solving, clinical decision-making, and evidence based practice in client management.

PHT7374C: Lifespan Geriatrics

3

Description: In this course a comprehensive view of the geriatric physical therapy patient will be presented. To that end this course has two basic components: a psychosocial component and a physical therapy practice component. The psychosocial component will provide an in depth discussion of the demographics of the elderly in the United States, theories of aging, transition to old age, dementia, sexuality, and falls. It will also address the perceptions clinicians and society have on aging and the elderly. Ageism will be also be addressed in some depth. The physical therapy practice component of the course will address those medical

conditions commonly found in the elderly that require physical therapy intervention. At the conclusion of the course, the student will be expected to be able to discuss the necessary current practice management strategies for geriatric physical therapy patients, taking into account the psychosocial and physical aspects of his/her geriatric patient.

PHT7385C: Exercise

Physiology/Cardiopulmonary Physical

Therapy

4

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course addresses exercise physiology principles as relate to normal and clinically compromised populations. Emphasis is evaluation and treatment skills for cardiopulmonary dysfunction. Exercise prescription for special populations is addressed. (A laboratory fee of \$25 will be assessed.)

PHT7551: Leadership in Physical

Therapy

3

Prerequisite: Successful completion of previous courses in the DPT curriculum This course is designed to provide the student with the knowledge required for dealing successfully with the day-to-day demands physical therapists face or will face as they pursue their careers. The management and leadership principles presented are universal and applicable to multiple physical therapy practitioner settings. Key management and leadership concepts are related to physical therapy practice at both the organizational and clinical departmental level.

PHT7741C: Spinal Cord Injuries and

Prosthetics

3

Prerequisite: Successful completion of previous courses in the DPT curriculum

Description: This course will have two units. Unit one will focus on the neuropathology, examination, evaluation, physical therapy diagnosis, prognosis and intervention of spinal cord injured persons. Medical/pharmacological

management of the spinal cord injured person will be discussed. Laboratory sessions will focus on clinical treatment skills and techniques. A home evaluation assignment will be required. Group assignments will emphasize current literature. Unit two will focus on the pathology, examination, evaluation, physical therapy diagnosis, prognosis and intervention of patients with upper and lower limb amputations. Functional mobility training of patients with an amputation both with and without a prosthesis will be emphasized. A review of lower extremity biomechanics and gait training will also be part of this course.
Course Fees: \$10

PHT7773C: Ortho PT Residency:

Advanced Management-Spine

3

Prerequisite: PHT 6553C This course is an in-depth study in the recognition, examination, and intervention of disorders and injuries of the musculoskeletal system with emphasis on the spine. Using a problem-solving approach, students will learn to apply evidence-based practice and functional models, including the following elements of patient/client management: examination, evaluation, diagnosis, prognosis, and intervention. Sessions focus on advanced examination and intervention skills, including the performance of joint-specific special tests, manual therapy techniques, orthotics, and impairment-specific therapeutic exercises. Clinical reasoning skills for the advanced orthopedic physical therapist will be emphasized throughout the course.

PHT7774C: Ortho PT Residency:

Advanced Management-Lower Extremity

3

Prerequisite: PHT 6553C This course is an in-depth study in the recognition, examination, and intervention of disorders and injuries of the musculoskeletal system, with emphasis on the lower extremity. Using a problem-solving approach, students will learn to apply evidence-based practice and functional models, including the following elements of patient/client management: examination, evaluation, diagnosis, prognosis, and intervention. Sessions focus on advanced examination and intervention skills, including the performance of joint-specific special tests, manual therapy

techniques, orthotics, and impairment-specific therapeutic exercises. Additionally, clinical reasoning skills will be emphasized throughout the course.

PHT7775C: Ortho PT Residency:

Advanced Management-Upper Extremity 3

Prerequisite: Enrollment into the Masters in Health -(Track: Orthopedic Physical Therapy) Program This course is an in-depth study in the recognition, examination, and intervention of disorders and injuries of the musculoskeletal system, with emphasis on the upper extremity. Using a problem solving approach, students will learn to apply evidence-based practice and functional models, including the following elements of patient/client management: examination, evaluation, diagnosis, prognosis, and intervention. Sessions focus on advanced examination and intervention skills, including the performance of joint-specific special tests, manual therapy techniques, orthotics, and impairment-specific therapeutic exercises. Additionally, clinical reasoning skills will be emphasized throughout the course.

PHT7777: A Constructivism in Orthopaedic Physical Therapy 1

Description: Students will participate in a collaborative learning experience from each other as well as content experts in the field of orthopaedic physical therapy. Curriculum will consist of comprehensive case based learning opportunities for the spine, upper and lower extremities. Students will engage in active learning strategies to critically think through problems presented in the case guided by content experts. They will be provided opportunities to progress in manual therapy skill acquisition. The student will also benefit from immersion in a collaborative learning experience similar to the clinical setting.

PHT7845: Assistive Technology for Accessibility 1

Description: This course is an experiential, service-learning course. DPT students will experience the unique opportunity of interacting with engineering students enrolled in EEL 4930/ EML 4930 learning to integrate engineering methods with rehabilitation principles to explore the design and development of adaptive and assistive devices that benefit people with developmental disabilities. Students will have real-world opportunities to work at the interface of people and technology, exposing them to challenging questions requiring complex interdisciplinary solutions. This course includes seminars where students will develop communication skills and a strong interaction with professionals in the community as well as pediatric clients and their families. Students will complete team-based projects that address problems faced by users of assistive technology in the community. Repeatability: Students may earn a maximum of 3 credit hours for this course.

**PHT7880C: Advanced Clinical
Integration**

3

Prerequisite: PHT 6553C This is a capstone course integrating the didactic and clinical information learned throughout earlier stages of the program. Emphasis will be on the integration of the various regions of the neuromusculoskeletal system and principles of advanced clinical practice.

**PHT7930: Special Topics in Physical
Therapy**

v. 1-5

Description: This course is an independent study that results in the completion of a Capstone project/Research project/Service-learning project . The outcome of the series is a report, in journal article format, and/or the presentation of results. Within this portion, students will complete IRB approval, which includes a full proposal, become competent in all data collection methods and collect data, complete data analysis and report preparation.

PHT7936: Advanced Seminar

2

Description: This course will explore topics of interest within physical therapy specialty areas. Particular attention is given to topics related to applications in teaching, consultation, research, practice, and administration of physical therapy.

PHT7943C: DPT 3A Clinical

5

Prerequisite: PHT 6942C

Description: This course targets a variety of clinical experiences based upon facility placement and patient population. Student assignments are individualized and based on the students' areas of clinical interest, academic performance, and prior clinical education experiences and clinical performance. Students may be placed in inpatient hospital or rehabilitation settings, outpatient clinics, skilled nursing facilities, school or home care settings and/or other specialty practices. Experiences in these settings will provide the student with an opportunity to apply the knowledge and skills acquired throughout the curriculum to any patient referred to physical therapy. Under the direct supervision of a clinical instructor, the student will begin to advance their hands-on clinical skills and further develop their critical thinking abilities. Students will practice in accordance with the American Physical Therapy Association Code of Ethics and Guide to Physical Therapist Practice.

PHT7944C: DPT 3B Clinical

5

Prerequisite: PHT 7943C

Description: This course targets a variety of clinical experiences based upon facility placement and patient population. Student assignments are individualized and based on the students' areas of clinical interest, academic performance, and prior clinical education experiences and clinical performance. Students may be placed in inpatient hospital or rehabilitation settings, outpatient clinics, skilled nursing facilities, school or home care settings and/or other specialty practices. Experiences in these settings will provide the student with an opportunity to apply the knowledge and skills acquired throughout the curriculum to any patient referred to physical therapy. Under the direct supervision of a clinical instructor, the student will

begin to advance their hands-on clinical skills and further develop their critical thinking abilities. Students will practice in accordance with the American Physical Therapy Association Code of Ethics and Guide to Physical Therapist Practice.

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Graduate Courses

Nursing

NGR5003C: Health Assessment and Diagnostics

v. 1-4

Prerequisite: Admission to the DNP Program or consent of instructor.

Description: Focuses on development of proficiency in assessment and interview skills in obtaining health history and physical examination. Identification of abnormal findings for treatment/referral is emphasized. Use of basic laboratory and diagnostic data to diagnose common uncomplicated health problems and acute illness or injury is included.

Course Fees: \$175 (not applicable in summer terms)

NGR5057: Health Assessment and Pharmacology

4

Description: This course combines basic knowledge regarding pharmacotherapeutics and Health Assessment. Throughout the course, the student will review commonly prescribed drugs including pharmacokinetics, actions, uses, side effects, contraindications, dosage and routes. In addition, the student will develop proficiency in the skills of comprehensive health assessment of culturally diverse persons across the life span. Basic laboratory tests will be reviewed as they relate to medications or findings from the physical exam.

NGR5110: Theoretical Framework for Practice

3

Prerequisite: Admission to the MSN program. Corequisite: NGR 5810

Description: This course includes information related to the use of science-based theories and concepts as the basis for the highest level of nursing practice. The focus is on a wide range of theories from nursing and other sciences. Emphasis is on the synthesis of theories to develop a conceptual framework for the delivery of

advanced nursing care.

NGR5141: Advanced Pathophysiology **3**

Prerequisite: Admission to MSN program or consent of instructor.
Corequisite: NGR 5192. An advanced study of the normal physiologic and pathologic mechanisms of disease over the life span. Clinical application of pathophysiologic disorders will be emphasized.

NGR5172: Pharmacotherapeutics **3**

Prerequisite: Admission to the MSN program or consent of instructor. *Corequisite:* NGR 5141. Review commonly prescribed drugs including pharmacokinetics, actions, uses, side effects, contraindications, dosage and routes. Special emphasis will be given to developmental considerations, preparing written prescriptions, safety, cost effectiveness, legal requirements and patient education. Students will be prepared to write protocols for prescriptive privileges following Nurse Practice Act guidelines.

NGR5226: Quality of Life and Chronic Medical Conditions **1**

Description: This online graduate-level course explores the relationship between quality of life (QOL) and chronic medical conditions/illnesses. Course learning content draws on background knowledge related to anatomy, pathophysiology, evidence-based practice, psychology and social sciences to bring about a deeper understanding of the impact a given medical condition may have on an individual's state of health and well-being. Students will explore and synthesize research related to treatment approaches affecting QOL for specific populations with chronic medical conditions.

NGR5601C: Diagnosis and Management of Acute Conditions of Adults and Children **5**

Prerequisite: NGR 5001C

Co-requisite: NGR 5110

Description: This advanced practice nursing course focuses on

acute self-limiting common health conditions of culturally diverse persons across the life span. Emphasis is on pathophysiology, comprehensive assessment, diagnosis, therapeutic modalities, and evaluation of outcomes of care. The clinical practicum enables the student to apply acquired knowledge and advanced practice nursing skills in primary care settings.

NGR5810: Research Methods for Evidence-Based Nursing Practice

3

Prerequisite: Admission to the MSN program

Description: This course includes information related to research methodologies and the translation of research in evidence-based practice. The focus is on application of scientific knowledge to advanced nursing practice. Emphasis is on skill development in critiquing and synthesizing research evidence to address specific advanced nursing practice questions or problems.

NGR5931: Special Topics in Nursing

3

Post baccalaureate seminar on various topics.

NGR5950: Culture and Health in Ireland

3

Prerequisite: Graduate student with an interest in health care. A nine-day international travel program to Ireland for UNF students. Focus is on the Irish health care system, arts and culture. This international study course will provide UNF students and members of the health care community the opportunity to spend one week in Ireland visiting cultural sites, attending presentations related to health care delivery in Ireland, and observing selected health care settings.

NGR6400: Chemistry and Physics of Anesthesiology Nursing I

2

Prerequisite: Admission to the Nurse Anesthetist Program.

Detailed study of the biochemical and physical principles, which apply to physiology, pharmacology, and anesthesia equipment. Emphasis is placed on biochemistry and physics of gases and vapors.

NGR6401: Chemistry and Physics for

Anesthesiology Nursing II

1

Prerequisite: NGR6400 This course is a continuation of the focus on the biochemical and physical principles required for understanding the mechanisms, actions, equipment, and theories as they apply to anesthesia practice.

NGR6404: Advanced Bioscience for

Anesthesiology Nursing I

3

Prerequisite: NGR 5141 This is a course in human anatomy, physiology, and pathophysiology to include the effects of anesthesia on the cell, the circulatory system, and the respiratory system.

NGR6405: Advanced Bioscience for

Anesthesiology Nursing II

3

Prerequisites: NGR 6404 This is a course in human anatomy, physiology, and pathophysiology to include the effects of endocrine, neurological, orthopedic, excretory, and digestive systems on anesthesia management.

NGR6421: Principles of Anesthesiology

Nursing I

2

Prerequisites: Admission to the Nurse Anesthetist program This course is a broad field orientation to advanced nursing practice. Study of the areas of pre, intra, and postanesthesia planning, monitoring, and record keeping are included.

NGR6422: Principles of Anesthesiology

Nursing II

3

Prerequisites: NGR 6421 The course will emphasize the anesthetic management of the pediatric, geriatric, and obstetrical patient. The course will review the specific anesthetic needs for each specialty.

NGR6423: Principles of Anesthesiology

Nursing III

2

Prerequisites: NGR 6422 This course covers principles of cardiothoracic anesthesia, preoperative assessment, pre, intra, and postoperative management, extracorporeal circulation, cardiac assist devices, and pharmacological intervention.

NGR6424: Principles of Anesthesiology

Nursing IV

2

Prerequisites: NGR 6423 This course covers principles of emergency and trauma management, as well as anesthesia specialty procedures related to orthopedics and neurosurgery.

NGR6431L: Anesthesiology Nursing

Practicum I

1

Prerequisites: Admission to the Nurse Anesthetist program

Description: This experience is an introduction to the clinical art and science of anesthesiology nursing. It introduces the clinical component of the anesthesia management techniques. This includes supervised clinical practice.

NGR6432L: Anesthesiology Nursing

Practicum II

3

Prerequisites: NGR 6431L

Description: This course is the second in an increasingly more complex seven-course series that includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor.

NGR6433L: Anesthesiology Nursing

Practicum III

4

Prerequisites: NGR 6432L

Description: This course is the third in an increasingly more complex seven-course series that includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor.

NGR6434L: Anesthesiology Nursing

Practicum IV **6**

Prerequisites: NGR 6433L

Description: This course is the fourth in an increasingly more complex seven-course series that includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor.

**NGR6435L: Anesthesiology Nursing
Practicum V** **6**

Prerequisites: NGR 6434L

Description: This course is the fifth in an increasingly more complex seven-course series that includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor.

**NGR6436L: Anesthesiology Nursing
Practicum VI** **8**

Prerequisites: NGR 6435L

Description: This course is the sixth in an increasingly more complex seven-course series tht includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor.

**NGR6437L: Anesthesiology Nursing
Practicum VII** **8**

Prerequisites: NGR 6436L

Description: This is the final course in an increasingly more complex seven-course series that includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor.

**NGR6460: Pharmacology of
Anesthesiology Nursing I** **1**

Prerequisite: Admission to the Nurse Anesthetist Program. This course covers pharmacology of drugs affecting the autonomic nervous system as well as anesthetic agents. Administration and doses of the adjunctive drugs are included.

**NGR6461: Pharmacology of
Anesthesiology Nursing II**

2

Prerequisite: NGR 6460 This course will cover the uptake, distribution, and biotransformation of anesthetics, including the advanced study of therapy in anesthesia of specialty areas and treatment of complications.

NGR6490: Regional Anesthesia

2

Prerequisites: NGR 6421 This course covers theoretical and clinical aspects of the administration and management of regional anesthesia. Anatomy, physiology, and pharmacology will be studied and applied to the administration of anesthetic blocks.

**NGR6491: Advanced Anesthesiology
Nursing Seminar**

3

Prerequisite: NGR 6436L and NGR 6424

Description: This is an advanced clinical review as presented by the graduate students regarding specific case presentations. The course will serve as a review for the national certification examination.

**NGR6492: Professional Aspects of
Anesthesiology Nursing**

1

Prerequisites: Admission to the Nurse Anesthetist Program This course explores: AANA organizational structure, including affiliated councils, codes of ethical conduct, and current issues in anesthesiology nursing.

**NGR6493: Technology in Anesthesiology
Nursing**

1

Prerequisites: Admission to the Nurse Anesthetist program Use and care of anesthesia equipment (mechanical and electronic) are discussed. Computers and their uses in anesthesiology are also included.

NGR6494: Advanced Modalities in Pain

Management

3

This course correlates aspects of human anatomy, physiology, pathophysiology and pharmacology as they are related to the diagnosis and treatment of acute and chronic pain. Pain assessment and discussion of multimodal pain management strategies are included.

NGR6510C: Diagnosis and Management of Psychiatric Conditions: Acute and Chronic Management of Older Adults

5

Co-requisite: NGR 6673, NGR 7871, and MHS 6070

Description: This combined didactic and clinical course is guided and supervised by clinical and faculty preceptors with the focus on advanced practice psychiatric mental health care of older adults. Students gain critical thinking skills demonstrating advanced practice psychiatric assessment, use of the Diagnostic and Statistical Manual of Mental Disorders and applying evidence based psycho-therapeutic modalities for older adults. Advanced practice psychiatric mental health NP student will apply the PMHNP role while integrating health promotion, prevention and differential diagnosis for diverse older adult populations.

Availability: One semester per year

NGR6511C: Diagnosis and Management of Psychiatric Conditions: Acute and Chronic Management of Adults

5

Co-requisite: NGR 7850 and NGR 7843

Description: This combined didactic and clinical course is guided and supervised by clinical and faculty preceptors with the focus on advanced practice psychiatric mental health care of adults. Students gain critical thinking skills demonstrating advanced practice psychiatric assessment, use of the Diagnostic and Statistical Manual of Mental Disorders and applying evidence based psycho-therapeutic modalities for adults. Advanced practice psychiatric mental health NP student will apply the PMHNP role while integrating health promotion, prevention and differential diagnosis for diverse adult populations.

Availability: One semester per year

**NGR6512C: Diagnosis and Management of
Psychiatric Conditions: Acute and Chronic
Management of Children and Ado** **5**

Co-requisite: NGR 7851, NGR 6892, and NGR 7767

Description: This combined didactic and clinical course is guided and supervised by clinical and faculty preceptors with the focus on advanced practice psychiatric mental health care of children and adolescents. Students gain critical thinking skills demonstrating advanced practice psychiatric assessment, use of the Diagnostic and Statistical Manual of Mental Disorders and applying evidence based psycho-therapeutic modalities for children and adolescents. Advanced practice psychiatric mental health NP student will apply the PMHNP role while integrating health promotion, prevention and differential diagnosis for diverse child and adolescent populations.

Availability: One semester per year

NGR6538: Psychopharmacology **3**

Co-requisite: NGR 6894, NGR 6740, and MHS 6430

Description: This course will focus on current evidence-based pharmacological treatments for psychiatric diagnoses across the lifespan. Current molecular, developmental and environmental perspectives are examined, including inherited and acquired vulnerabilities to mental illness. An in-depth review of neurological anatomy and receptors is presented. Emphasis is placed on the responsibilities of the PMHNP in the psychopharmacologic treatment of all mental health diagnoses that focuses on optimal outcomes.

Availability: One semester per year

**NGR6602C: Health Promotion of Children,
Men and Women in Primary Care** **v. 3-6**

Prerequisite: NGR 5601C

Description: This advanced practice nursing course focuses on preventative care, health promotion, and health maintenance

activities for culturally diverse men, women, and children. Emphasis is on knowledge and skills essential for implementation of therapeutic plans. The clinical practicum enables the student to apply acquired knowledge and advanced practice nursing skills in a variety of outpatient and community settings.

NGR6603C: Diagnosis and Management of Chronic Conditions of Adults and Children in Primary Care **6**

Prerequisite: NGR 6602C

Description: This advanced practice nursing course focuses on common chronic health conditions of culturally diverse persons across the life span. Emphasis is on pathophysiology, comprehensive assessment, diagnosis, therapeutic modalities, and evaluation of outcomes of care. The clinical practicum enables the student to apply acquired knowledge and advanced practice nursing skills in primary care settings.

NGR6673: Principles of Epidemiology for Advanced Practice **3**

Description: This course will examine the frequency, distribution and determinants of health-related states in varying populations. The course will cover the historical origins of epidemiology, core epidemiological concepts, statistical interpretation and study design. The course is geared to the beginning practitioner in the field and will examine a wide range of epidemiological topics. The course will be taught from an epidemiological perspective incorporating the use of the scientific literature with the objective of augmenting student knowledge in epidemiology and study design.

NGR6710: Teaching Nursing: Implementing an Innovative Learning Environment **3**

Description: The focus of this course is the development of knowledge and skills for innovative and evidence-based teaching-learning in nursing. This course provides an opportunity for the learner to explore selected educational theories and philosophies

pertinent to nursing, and to investigate role development in a variety of settings. Planning, organizing, presenting, and evaluating learning experiences for the adult learner are emphasized.

NGR6712: Curriculum and Instruction **3**

This course will focus on curriculum development and student instruction. Topics will focus on curriculum design, forces influencing curriculum, such as mission, vision, goals, and threads of influence in the organization. In addition, the course will discuss teaching strategies, such as theoretical concepts, simulation, online learning, role play, and in service education. The content will encompass different learner needs, such as generational differences, learning disabilities and types of learning styles. The student will develop a teaching plan, course outline, and assessment strategies. This course will address teaching strategies and plan development for both academic, community, and clinical settings.

NGR6718: Evaluation Techniques **3**

Description: This course will focus on evaluation of course curriculum, course outcomes and overall program evaluation. Topics will include testing assessment, clinical performance evaluation, educational program evaluation and accreditation standards. The student will develop strategies for assessing and evaluating learner outcomes. The student will develop test questions in a variety of formats, evaluation tools and outcome surveys. Students will discuss a variety of assessment strategies, as well as alternative assessment methods related to learner accommodations.

NGR6726: Quality Management for Advanced Nursing Practice **3**

Prerequisites: Admission to DNP or MSN Program or Permission of Instructor The process of quality management in health care as it pertains to chief nurse administrators is analyzed in this course. The focus is continuous quality improvement with emphasis on implementation and evaluation. Differences between quality assurance and quality management will be discussed.

Accreditation guidelines will be examined in relation to their impact on health care systems. Evidence-based practices will be reviewed as means for continuous quality management experience.

NGR6729: Capstone in Nursing Leadership and Administration **3**

Description: This capstone course in the nursing leadership and administration program will provide the student the opportunity to work collaboratively within an organization where the student will identify a nursing problem or need for improvement in current practices. The student will be prompted to develop and implement a quality improvement project or practice change or innovation based on evidence. The student will work closely with the mentor at the facility and the faculty mentor.

NGR6740: Role Development in Advanced Practice Nursing **3**

Description: The course focuses on essential knowledge and skills needed in the transition to the advanced nursing practice role. Students are equipped with the skill set for successful matriculation through the DNP Program. The roles, role behaviors, and practice models specific to the development and maintenance of inter-professional practice are analyzed. Emphasis is on developing effective communication and collaborative skills and understanding the historical, social, political, legal, and economic issues related to advance practice roles.

NGR6816: Applied Nursing Research **3**

Description: This graduate nursing research course builds on the foundation of nursing research and introduces students to statistical techniques commonly found in qualitative and quantitative research. The student will focus on developing skills needed to become familiar with statistical tools to critically analyze the measurements of research variables in their projects and published research.

NGR6875: HIT Certificate Capstone 3

Prerequisite: HSA 6114 and ISM 6021

Description: This course will serve as the capstone for the Graduate Interprofessional HIT Certificate Program and will provide a culminating project to include the following: identification of a relevant problem related to the theory or the practice of health informatics; conduct a literature review related to the identified problem and formulate a valid solution either in the form of a testable hypothesis or other form of scholarly activity; collect empirical data applicable to the problem; and complete a data-based study or other comparable scholarly activity.

NGR6892: Public Policy Implications for Advanced Practice 3

This course deals with the shifting paradigms of health care policy. The origins of policy created through legislative and administrative action will be considered. Strategies for policy creation, implementation, evaluation and change will be examined from the viewpoint of advanced practice nursing.

NGR6894: Global Health Care and Culture 3

In this course concepts associated with cultural diversity related to matters of health and illness and will be considered. Examples of variations both within and outside of the western viewpoint will be examined. This will be accomplished through conducting cultural assessments and demonstrating how the results of these assessments can be applied, in evidence based manner, to advanced practice.

NGR6942: Capstone in Nursing Education 3

Description: This capstone course in the Nursing Education program will provide the student the opportunity to apply concepts learned throughout the program through a precepted classroom and clinical settings. The student will be prompted to develop and implement an innovative education piece based on evidence. The student will work closely with the mentor at the facility and the faculty mentor.

NGR6970: Nursing Project**v. 1-3**

Prerequisites: NGR 5001C, NGR 5110, NGR 5141, NGR 5192, NGR 5810. Pre/corequisite: NGR 5601C. Under the direction of faculty, the student will carry out a detailed study of a topic in the field of advanced nursing practice. The student will develop, implement, and/or participate in a designated project. May be repeated for credit. This is a pass/fail course.

NGR7154: Advanced Bioscience**3**

Prerequisite: Admission to DNP program or permission of instructor This course synthesizes concepts of anatomy, pathophysiology, genetics and therapeutics to present a more complete understanding of disease processes. Emphasis is on disorders of the cardiopulmonary, neuromuscular, respiratory and digestive systems and their application to clinical practice.

**NGR7179: Advanced Pharmacological
Management****3**

Prerequisites: Admission to DNP Program or Permission of Instructor The focus of this course is on the clinical application of advanced pharmacology and pharmacotherapeutics across the lifespan. Emphasis is on identification and evaluation of the latest evidence as a basis for pharmacologic management of health and illness in a safe, high quality, cost-effective manner. The principles of altered pharmacodynamics relative to age, race, and ethnic groups are analyzed.

**NGR7767: Practice Management in
Advanced Nursing and Healthcare****3**

Prerequisites: Admission to DNP Program or Permission of Instructor The focus of this course is on analysis of factors affecting the development and sustainability of practice settings. Emphasis is on evaluation of variety of business practice models while examining reimbursement, privileging, contracting and human resource management.

**NGR7768: Advanced Practice Nursing Role
Transition****v. 2-3**

Prerequisites: NGR 6603C; Admission to the DNP Program or Permission of the Instructor

Description: In this course, theoretical basis of the current status of the advanced practice nurse will be identified. Examination of legal, ethical, cultural, social, political and economic problems related to practice will be addressed. Creative marketing strategies, practice protocols, and job descriptions will be identified.

NGR7843: Statistical Interpretation for

Advanced Practice

3

Prerequisite: Previous statistics and graduate research courses

Description: This course includes information related to the use and interpretation of statistical methods commonly used in health care studies. The focus is on the advantages and disadvantages of statistical techniques for specific types of research questions. Emphasis is on inferential methods used to evaluate the strength of evidence claimed to support particular interventions.

NGR7850: Evidence Based Practice I

3

Prerequisite: NGR 6603C, NGR 7797, NGR 7871, NGR 6673 or HSC 6505, NGR 7843 or HSC 6512, NGR 6892 or HSA 6905

Corequisite: HSC 6505 and HSC 6512

Description: This course includes information related to implementing evidence-based practice strategies to improve quality of care within their practice setting. The focus is on formulation of clinical questions relevant to advanced practice and systematic search for the highest level of evidence. Emphasis is on critical appraisal, analysis, and synthesis of scientific evidence in response to clinical questions to improve patient outcomes.

NGR7851: Evidence Based Practice II

3

Prerequisite: Admission to DNP Program or Permission Instructor, NGR 7850

Description: This course is a continuation of Evidence-based Practice I and includes information related to practice, practice patterns, and systems of care. The focus is on quality improvement methodologies to promote timely, effective, efficient, equitable, and client-centered care. Emphasis is on design and implementation of processes to evaluate outcomes.

NGR7871: Healthcare Informatics for Advanced Practice

3

Prerequisites: Admission to DNP or MSN Program or Permission of Instructor This course provides students with an overview of informatics and the theoretical foundation for information management within the health care setting. The impact of automated data management through advances in information technology, health care information systems, and tele-health are explored. During the course students explore informatics theory and practices as a foundation for the development of databases for evidence based practices. Related ethical, regulatory, and legal issues are explored.

NGR7946: Residency in Advanced Nursing

Practice

v. 1-6

Prerequisite: Admission to DNP program or permission of instructor

Description: This is a clinically based practicum course. Doctoral students will, with advisor approval, construct a learning contract that will detail the acquisition of a new or higher level of clinical skill for which they were not fully prepared at the masters level. Skills acquisition will be conducted under the direction of a qualified expert preceptor.

Repeatability: This course may be taken for a total of 12 credits

NGR7974: Doctoral Project

v. 1-6

Prerequisite: Admission to the DNP program or permission of the instructor. In this course the doctoral student will identify, with advisor approval, a problem or question that requires a change in health care or educational services, clinical practices and/or policies that might be addressed in a particular leadership role. This problem should have relevance to current and emerging health care or educational issues. The result of the project will be a scholarly work, written at a doctoral level of complexity, dealing with the results of the evidence based analysis of the service, practice or policy examined. The analysis will be framed against national benchmarks to determine variances in practice outcomes and population trends. Focus is on dissemination of evaluative outcomes and implications for clinical practice to improve practice

or patient outcomes.

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Graduate Courses

Public Health

HSC6138: Sexuality Education

3

This course provides an overview of physiological, and sociological aspects of human sexuality throughout the lifespan including gender, family life, relationships, reproduction sexual behavior, STDs/HIV, safer sex, and sexual coercion. Planning, implementing and evaluating community sexuality education programs are included in the course. Policy issues that affect sexuality education are also addressed. Students are required to complete research, writing, and practice assignments related to sexuality education in public health.

HSC6165: Global Sexuality and Reproductive Health

3

Description: Students will be introduced to a variety of international sexuality and reproductive health topics. Examples include varying gender roles, family dynamics, pregnancy and prenatal care, STDs/HIV, sex trafficking, access to public health services, and global public health initiatives. Cultural practices such as arranged marriages, child brides, and FGM will be explored.

HSC6215: Environmental Health

3

Description: This course presents a One Health framework to demonstrate the relationships between environmental, human and animal health. Special importance will be given to principles, processes, priorities, and current research in the study of environmental problems and their impact on health and disease patterns among human and animal populations.

HSC6526: Special Topics/Infectious & Noninfectious Diseases

3

Concepts and characteristics of important infectious and noninfectious diseases to include their biological and behavioral determinants, susceptibility and defense, and current methods in prevention and treatment.

HSC6585: Health Communication 3

Description: this course students will explore health communication foundations, conceptual models, and strategies and their application in public health communication and promotion.

HSC6587: Public Health Program Planning 3

Description: This course examines the essential principles of planning and evaluating public health programs. Students will gain knowledge and skills in needs assessment, program planning, implementation, and evaluation. Emphasis will include data-driven decisions, cultural competence, and budget and resource management.

HSC6601: Animal Assisted Interventions and Therapies in Healthcare 3

Description: This course provides a historical and theoretical foundation for the inclusion of animals as a treatment alternative or adjunct to traditional practices in healthcare settings. An overview of training and practice standards, techniques, ethics and animal welfare issues that impact the practice of Animal Assisted Interventions (AAI) & Animal Assisted Therapy (AAT) are addressed.

HSC6603: Theoretical Foundations of Behavior Change 3

Description: In this course students will explore the theoretical and conceptual models and factors underlying health behavior and health promotion programs, as well as their application in

planning, implementing, and evaluating public health programs for behavioral change.

HSC6625: Global Health

3

Description: This course will examine the principles, current trends and practical applications of key global health strategies. This is an interdisciplinary study designed for students who are looking to gain real life skills and insights that can be translated directly into practice.

HSC6675: Global Health: Water, Sanitation and Hygiene

3

Description: This interdisciplinary course teaches students about the function of water, sanitation, and hygiene (WASH) in global health. Students will learn how human behavior, sociocultural and economic status, gender and age, environmental engineering and sustainable practices, innovation and technology, policy and governmental response, One Health, climate change and ecological drivers, pollution and pathogens, and WASH-centered research and interventions influence the global health community's efforts to provide clean, safe, accessible, and affordable water and sanitation to all.

HSC6712: Evaluation of Health Programs

3

This course addresses procedures used to evaluate the effectiveness of health programs. Included in the course is a review of evaluation methods, standards of performance, and available standardized evaluation/assessment instruments. Emphasis will be on process, impact and outcome evaluation. A field experience may be required.

HSC6716: Health Program Evaluation

3

This course focuses on principles and methods employed in program evaluation and evaluative research. Issues of conceptualization and design in evaluation are emphasized. The course also addresses operational procedures used in evaluation studies ranging from identification of variables to instrument

design and use of findings. The course reviews applications of evaluative research in health services decision making.

HSC6735: Public Health Research

3

Description: This course is a study of the research process and its application to health science. Emphasis will be given to interpreting and evaluating contemporary health-related research reports, and to the components of a research proposal. Class lectures, discussions, student presentations and projects, required readings and outside assignments are designed to assist in building an appreciation of the importance of research in the solution of health problems and acquiring the skills needed to read, comprehend, relate and apply research reported in the health science professional literature.

HSC6816: Field Experiences in Health

v. 3-6

Prerequisite: Approval of department advisor. The application of methods, techniques and materials used in community and school health. May be repeated up to 18 credits.

HSC6906: Independent Study and Research

v. 3-9

Prerequisite: Permission of department chair. A specific health related research project conducted under the guidance of a faculty advisor. May be repeated up to 15 credits.

HSC6931: Special Topics

3

A detailed study of a topic in the health science field. Topics will vary each time the course is offered and will be based on a current health issue or subject. May be repeated up to 12 credits.

MHS5403: Expressive Arts and Creativity in Counseling

3

Description: The course provides practical experience using expressive arts, and creative approaches in mental health

counseling. It encourages the development of counselor self-care and self-exploration using the creative process, and addresses how expressive arts and creative approaches enhance the counseling process from a variety of theoretical counseling frameworks.

MHS6070: Psychopathology

3

Description: An overview of abnormal behavior and knowledge of the basic criteria for categorizing mental disorders, using the DSM-IV. Includes a survey of the theoretical models of maladaptive behavior, as well as case studies to facilitate understanding of the breadth and complexity of reliable diagnosis.

MHS6205: Clinical Assessment and Diagnosis

3

Description: The purpose of this course is to familiarize students with the criteria for categorizing mental disorders using the current Diagnostic and Statistical Manual of Mental Disorders(DSM) and the International Statistical Classification of Diseases and Related Health Problems(ICD). Theories of abnormal and maladaptive behaviors will also be covered, prioritizing the biopsychosocial model. Students will be presented with assessment and evaluation concepts, terminology, and methodology, including the psychometric statistics underlying commonly used tests and assessments. The course will emphasize how testing and assessment informs the diagnostic and treatment planning processes as well as the implications of diagnosis and testing for diverse cultural communities.

MHS6305: Career Counseling

3

This course is designed to familiarize students with professional career growth through an examination of foundational tenets of career theories for the purpose of assessing clients' skills and aptitudes to provide effective career counseling. The course is also designed to help counselors-in-training gain a better understanding of the relationship between career choices and personality traits and emotional states, and how these components are essential to optimize job/career success.

MHS6401: Clinical Mental Health Counseling in Community Settings

3

Description: This course addresses current issues in the provision of counseling services in community and agency settings. Students will become familiar with mental health services across the continuum of care including inpatient, outpatient, partial treatment and aftercare. Current controversies regarding managed care and accountability, and public mental health policy will be explored. Practical applications include the development of methods for assessing community needs for counseling services, managing mental health services and programs, engaging in case conceptualization, treatment planning and documentation, practicing consultation, and providing clinical supervision.

MHS6402: Overview of Brief Counseling

3

Description: This course provides opportunities for students to hone their skills in the application of solution-focused counseling in a variety of mental health settings. Classes will involve a combination of discussion, skill-building exercises, and student presentations.

MHS6404: Theories in Clinical Mental Health Counseling

3

The purpose of the course is to provide an overview of theories of counseling and psychotherapy, with an emphasis on mental health and clinical application of these theories. The course will focus on counseling theory, both in general and within the field of mental health counseling. Through readings, discussions, and observations students will gain a better understanding of human behavior and the issues confronted daily by those involved in clinical settings. Major counseling theories will be examined, applied, and translated to practice.

MHS6405: Advanced Counseling

3

Description: This course provides students with opportunities to

reinforce and synthesize the skills and competencies they need in order to further their development into effective mental health counseling practitioners. This course addresses several important aspects of mental health treatment including: clinical assessment and diagnosis, treatment planning, and clinical documentation. Students will explore and practice specific therapeutic interventions designed to aid clients in modifying affect, cognition, and behaviors.

MHS6423: Psychotherapy with Children and Adolescents

3

Description: This course will explore the etiology, epidemiology, clinical course, and diagnoses of mental health disorders in children and adolescents. Students will review developmental theories pertaining to children and adolescents and learn effective, empirically supported interventions for disorders including but not limited to ADHD, Autism Spectrum Disorders, Disruptive Behavior Disorders, Anxiety Disorders, Depression, and Bipolar Disorders.

MHS6428: Counseling Diverse Populations

3

Designed to provide students with knowledge of diverse populations and the skills necessary to counsel individuals with diverse needs.

MHS6430: Introduction to Family Counseling

3

Prerequisite: MHS 6006. This course is designed to provide students with a comprehensive overview of contemporary theories and practices in family counseling. Students will acquire knowledge of psycho dynamic, humanistic, systems, structural, communication/strategic, and behavioral/cognitive approaches to working with families. Special emphasis will be placed on professional issues and ethical practices in family therapy.

MHS6436: Counseling Military Families

3

Description: Counseling Military and their Families is a 3-credit

elective course which provides comprehensive coverage of salient aspects of military life and military psychology, including the psychological consequences of combat-zone deployments and the cycle of deployment. Special emphasis will also be placed on the treatment of sub-threshold and clinically significant symptoms consistent with depressive, anxiety, and cognitive disorders, as well as interpersonal difficulties faced by military members and their family members.

MHS6440: Counseling Couples

3

Description: This course is designed as an elective in the counselor education program. Students will learn various models of counseling couples; will practice specific skills, interventions, and assessment procedures appropriate for couples; and will become knowledgeable and skilled in dealing with issues such as cultural differences, gay and lesbian relationships, domestic violence, and crisis intervention.

MHS6444: Animal Assisted Therapy in Counseling: Theory and Practice

3

Prerequisite: HSC 6601

Description: This is an advanced practice course on the incorporation of animals into the mental health counseling process. . A history of Animal Assisted Therapy in Counseling, ethics and standards of practice currently available and evidence based counseling theories of practice that can be incorporated into the AAT-C setting are addressed. This course meets the recommendation for supervised experience identified by the American Counseling Association Standards of Practice (2016).

MHS6448: Grief and Loss in Counseling

3

Description: This course is designed to introduce students to the knowledge and skills needed to effectively respond to individuals, families, groups, and communities that have experienced both symbolic and tangible loss. The topics covered in the course include: theories of normal and complicated grief, grief reactions and the factors that influence them at different stages of the lifespan, cultural and spiritual influences, vicarious trauma and the

impact of loss, working with grief in the helping professions, and the skills and strategies that address the therapeutic needs of both vulnerable and resilient populations.

MHS6450: Addictions Counseling

3

Description: This course is designed to prepare students for the challenges of working with clients who have substance and/or process addictions. Students will acquire knowledge in assessment, individual and group treatment approaches, and in crisis intervention and prevention strategies. This course emphasizes the acquisition of counseling skills and provides opportunities for students to practice skill building.

MHS6470: Sexual Issues in Counseling

3

Description: This course is designed to provide mental health counseling students and other individuals in the mental health field with an introduction to sexual issues in counseling. The course will cover theories of human sexuality, sexual dysfunctions, sexual deviations, and life adjustments in sexuality. Students will learn principles of assessment and formulation of sexual problems and will gain skill in treatment of sexual issues.

MHS6486: Human Development Across the Lifespan

3

This course is designed to familiarize clinical mental health counseling students about psychosocial elements of human development across the lifespan, including various developmental stage theory, tasks related to each stage and maladaptive behaviors related to unsuccessful fulfillment of psychosocial stages. Students will learn how translate development theory into effectual counseling techniques and strategies.

MHS6510: Group Counseling

3

Description: This course is designed to provide students with theoretical knowledge and skills appropriate for counseling in a group setting. Students will participate in an on-going group, will

learn and demonstrate group leadership skills, and will design, conduct, and evaluate a structured group counseling program.

**MHS6700: Legal, Ethical, and Professional
Issues in Counseling 3**

Description: This course is designed to provide an overview of the legal, ethical, and professional issues in counseling to help you develop an understanding and awareness of knowledge and skills related to ethical decision making and practice, professional identity development, professional preparation standards and credentialing requirements, crisis intervention skills and life-long professional development, self-reflection, and self-care. Attention will be given to the Florida laws and rules that govern the practice of counseling as well as the ACA Code of Ethics.

**MHS6800: Practicum in Mental Health
Counseling v. 3-6**

Description: The practicum in clinical mental health counseling is the initial supervised field site experience that allows student to assimilate didactic information with clinical performance and gives them time to build their counseling skills before entering internship.

**MHS6830: Internship in Mental Health
Counseling 3**

Description: The two 3-hour internships are the culminating clinical experiences in the Clinical Mental Health Program. Supervision is provided by Clinical Mental Health Counseling Faculty as well as qualified site supervisors at each clinical site.

**MHS6876: Clinical Research and Outcome
Eval in Mental Health Counseling 3**

Counseling professionals are expected to be accountable for determining and communicating clinical and program effectiveness. Therefore, the purpose of this course is to

familiarize students with the basic concepts and statistical skills necessary to determine counseling outcomes and evaluation of clinical counseling programs. As a result, course instruction will center on research design, quantitative data analysis, and interpretation and reporting of the data.

MHS6905: Directed Individual Study

v. 1-3

Description: This course will allow students to explore topics of interest to them under the guidance of a CMHC faculty member. This involves intensive experience in design, implementation, analysis, and writing of mental health research. During the full semester, a minimum of nine hours per week of research involvement under faculty supervision is required.

Repeatability: This course is repeatable one time for a maximum of six credits.

MHS6916: Conceptual and Research Independent Study in Clinical Mental Health Counseling

3

Description: The Conceptual/Research Independent Study (CRIS) class will allow students who seek to explore topics of interest to them to be able to do so under the guidance of a professor who is willing to work in concert with them. It may sometimes be more than one student. It will NOT be an Independent Study where a student can help a faculty member with his or her research. It must come from the student's interest and not the professor's interest. The student will be responsible for developing a syllabus for the project and having the syllabus approved by the faculty person.

Repeatability: This course is repeatable one time for a maximum of six credits.

MHS6930: Special Topics in Counselor Education

v. 1-3

Prerequisites: Variable. In-depth study of particular counseling strategies, theories, methodologies or populations. Variable titles may include topics such as Counseling Children, Cognitive

Therapy or Counseling the Aging. May be repeated up to 30 credits.

MHS6931: Contemporary Problems and

Issues

v. 1-3

Exploration of selected contemporary topics relevant to counselors in the area of social and cultural foundations. Topics include trends and changes in gender roles; multicultural and pluralistic characteristics and concerns of selected subgroups; and societal issues such as stress or substance abuse.

MHS6941: Clinical Counseling Skills

3

This is an academic and training experience designed to promote students' acquisition and development of specific skills in verbal and nonverbal communication and human relations. Students will learn fundamental skills in active listening, reflecting content, responding empathetically, as well as advanced skills such as reframing, confrontation, and interpretation. Students will also learn how to identify clients' issues and apply appropriate counseling strategies.

MHS6970: Thesis A

v. 1-6

Prerequisite: MHS 6876

Description: In this course, students will start the process of developing their thesis with the guidance of their thesis advisor and their second reader. Their thesis proposal will be presented to and approved by their thesis committee. The course will culminate with completion of the first 3 chapters of their thesis: Introduction, Literature Review, and Methodology.

MHS6971: Thesis B

v. 1-6

Prerequisite: MHS 6970

Description: In this course, students will conduct their data collection and data analysis. Students will apply the strategies of quantitative or qualitative data analysis, and the thorough interpretation and reporting of data. This course will culminate in a completed thesis and a Thesis Defense that will be presented to and approved by the committee

PHC6000: Epidemiology I

3

Description: This course covers epidemiological concepts and methods for measuring and interpreting data related to the distribution and determinants of morbidity and mortality in human populations. The knowledge and skills acquired should enable one to plan, develop, conduct, and interpret findings from epidemiologic investigations and other types of studies, and to make meaningful recommendations for methods of disease control and prevention.

PHC6002: Infectious Disease Epidemiology

3

Description: This course introduces the basic methods for infectious disease epidemiology and case studies of important disease syndromes and entities. Methods include definitions and nomenclature, outbreak investigations, disease surveillance, case-control studies, cohort studies, laboratory diagnosis, molecular epidemiology, dynamics of transmission, and assessment of vaccine field effectiveness. Case studies focus on acute respiratory infections, diarrheal diseases, hepatitis, HIV, tuberculosis, sexually transmitted diseases, malaria, and other vector-borne diseases.

Availability: One semester per year

PHC6003: Chronic Disease Epidemiology

3

Prerequisite: HSC 6505 or APK 6336

Description: This advanced epidemiology course is intended to be a survey of the major chronic diseases and related risk factors with emphasis on recent epidemiology research and findings. Lectures will introduce the burden of chronic illnesses and will lead into specific diseases that are prevalent in western societies. Each chronic disease will include a discussion on the epidemiologic features including demographics, risk factors, prevention, treatment, early detection, and control of the disease. The specific chronic diseases that will be discussed are: cardiovascular disease, cancer, chronic lung disease, diabetes, arthritis and musculoskeletal diseases, and chronic neurologic disorders. The specific related risk factors that will be discussed are tobacco use, alcohol use, physical inactivity, diet and nutrition,

high blood pressure, and cholesterol.

PHC6011: Epidemiology II

3

Description: This course will build upon the knowledge learned in Epidemiology I to further develop understanding of epidemiological concepts and methods and how to apply them. The practical epidemiological skills learned in this course will prepare students to effectively address challenges that arise in public health research and practice.

Availability: One semester per year

PHC6020: Introduction to Clinical Trials

3

Description: This course introduces clinical research and key components in conducting clinical trials. It includes an overview of human subjects protection; best practices in the clinical research process; the importance of Translational Science in drug development, first in human studies, bringing drugs to market, and population health; biomedical ethics in research; studies involving special populations; regulatory considerations.

PHC6045: Emerging Issues in Epidemiology

3

Description: This course focuses on current national and international emerging issues in epidemiology. Leading themes include infectious disease, chronic non-communicable disease, risk behaviors, violence/bioterrorism, mental health, and maternal/child health.

Availability: One semester per year

PHC6050: Public Health Biostatistics I

3

Prerequisite: Undergraduate statistics course or equivalent

Description: This course focuses on the principles and methods of reasoning that underlie modern biostatistics, providing the basis for further study in epidemiology and biostatistics. The course will provide information concerning specific descriptive and inferential

techniques commonly used in public health research.

PHC6051: Public Health Biostatistics II **3**

Description: This course focuses on statistical software commonly used in modern biostatistics, providing the basis for further study in epidemiology and biostatistics. The course will provide information concerning software-based descriptive and inferential techniques commonly used in public health research.

Availability: One semester per year

PHC6102: Public Health Policy and Advocacy **3**

Description: The course examines the organization, financing, and delivery of public health and personal health services, with emphasis on major current health policy issues related to access, quality and cost. In addition, this course describes the methods of writing a policy analysis, allowing students to apply analytic writing skills to policy in the health care and public health systems.

PHC6103: Applied Social Behavioral Science **3**

Description: In this course, students will analyze their proficiency in the essential public health services through the lens of social behavioral science. Based on their individual competence, students will apply one of the core functions to an emerging public health issue in partnership with a community organization.

PHC6149: Public Health Leadership and Management **3**

Description: This course introduces the numerous theoretical concepts in leadership and connects these concepts to public health practices. Further application of leadership principles includes creating a vision, comparing leadership and management skills, empowering others, fostering collaboration, and developing

decision making and negotiation skills in both organizational and community situations.

**PHC6450: Community Organization in
Public Health Practice**

3

Prerequisite: PHC 6103 and HSC 6603. This course presents selected social and behavioral change theories and the translation of these theories into specific health education policies and interventions. Readings and discussions will center on the development of theory-based strategies with an emphasis on control, participation and empowerment. Principles of citizen participation and empowerment are highlighted. Effectiveness of coalition and partnership models, including media advocacy and marketing strategies are reviewed. Case examples of health programs designed to address community health issues and social inequalities add to the analysis process.

PHC6762: Global Health Epidemiology

3

Prerequisite: HSC 6505

Description: This course will explore global differences in the distribution and determinants of disease and health, and examine interventions aimed at improving health status. Specific topics of discussion will include the epidemiology of disease in developing countries, rapid growth of urban populations and impacts on disease transmission, refugee health, global tobacco control, and ethical issues in research of disadvantaged populations.

Availability: One semester per year

PHC6940: Public Health Capstone

3

Prerequisite: Completion of or current enrollment in all required MPH courses and permission of the PHC 6940 Public Health Capstone Instructor

Description: This course prepares students for internship and entry into a public health career. The course focuses on developing professional and interprofessional skills, securing an internship site, developing the internship project proposal and obtaining necessary approvals. This course must be completed the semester immediately prior to PHC 6945 Public Health Internship. This course is offered spring term only.

Availability: This course is offered spring term only.

PHC6945: Public Health Internship

3

Prerequisite: Completion of PHC 6940 and permission of the Capstone Instructor

Description: The internship is the final culminating applied practice experience required for the Master of Public Health degree and serves as an opportunity for the student to demonstrate competency attainment. To accomplish the internship objectives, practice experiences must focus on selected competencies from the Council on Education for Public Health's Foundational Competencies and program Concentration Competencies. This course is offered summer term only.

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Graduate Courses

Accounting & Finance

ACG6005: Fundamentals of Financial Accounting

3

Description: This course covers the concepts of financial accounting, the basic structure of financial statements, the interpretation of corporate annual reports, as well as the limitations of such reports.

ACG6305: Management Accounting

3

Prerequisite: FIN 5405 or equivalent with a "C" or better

Description: This course involves a study of the basic cost flows through an organization, the accounting systems that are used to capture the cost data, and the managerial uses of the cost data in routine and non-routine decision-making situations. This course may not be used to satisfy CPA requirements in Florida and should not be taken by MBA students who were undergraduate accounting majors.

Availability: This course is offered every semester.

ACG6309: Advanced Managerial Accounting Theory

3

Prerequisite: ACG 4361 with a "C" or better or ACG 6305 with a "C" or better

Description: This course provides an examination of the development of managerial accounting, and contemporary managerial accounting issues. The emphasis is on the underlying theories and objectives of managerial accounting as it relates to the management decision process. This course is recommended for MBA students who were undergraduate accounting majors.

Availability: This course is usually offered in the spring.

ACG6405: Advanced Accounting Information Systems

3

Prerequisite: ACG 4401 or equivalent with a "C" or better

Description: This course presents objective user analysis of information systems and their role in providing accounting information for planning, operations control, and managerial/financial control. In this course, emphasis is placed on developing a conceptual framework for applying information technology to the functional areas of business.

Availability: This course is usually offered fall and spring.

ACG6505: Not-For-Profit Accounting **3**

Prerequisite: ACG 6305 or equivalent with a grade of "B" or better

Description: This course involves a study of how current methods of accounting for not-for-profit entities evolved, and a critical review of contemporary issues concerning changes to existing not-for-profit accounting methods.

Availability: This course is offered intermittently.

ACG6645: Auditing Theory **3**

Prerequisite: ACG 4651 or equivalent with a "C" or better

Description: This course provides an examination of the theoretical framework of auditing with emphasis upon the development and analysis of the philosophy and methodology of auditing. Ethical and legal considerations of auditing will receive special attention.

Availability: This course is usually offered fall and spring.

ACG6805: Advanced Accounting Theory **3**

Prerequisite: Undergraduate accounting degree or equivalent

Description: This course involves an examination of contemporary accounting issues with special emphasis upon the underlying theories, controversies, and objectives of asset valuation and income determination.

Availability: This course is usually offered fall and spring.

ACG6835: Accounting Ethics **3**

Prerequisite: ACG 3103 or ACG 6305

Description: An examination of the constructs of ethics and ethical decision making by accountants in contemporary business organizations with particular attention to historical cases and

contemporary regulatory, economic, political and social influences. The analysis will examine the impact of ethics on both for-profit and nonprofit organizations in the global economy.

ACG6838: Accounting Fraud

3

Prerequisite: ACG 3103 with a "C" or better or consent of the instructor

Description: This course involves an examination of the constructs of fraud in contemporary business organizations with particular attention to historical cases and contemporary regulatory, economic, political and social influences. The analysis will examine the impact of fraud on both for-profit and nonprofit organizations.

Availability: This course is usually offered only in the fall.

ACG6905: Advanced Studies in Accounting v. 1-3

Description: This course involves special studies undertaken independently under the supervision of an accounting department faculty member. The student must have the faculty supervisor and department chairperson's approval of special study prior to enrollment.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

ACG6936: Special Topics in Accounting v. 1-3

Prerequisite: ACG 6305 with a "C" or better and permission of the advisor and the department chairperson.

Description: This course involves the study of special topics not offered in other departmental courses.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

ACG6957: Study Abroad in Accounting v. 1-9

Prerequisite: Graduate standing in the Coggin College of Business and permission of the instructor

Co-requisite: ACG 6305 or equivalent

Description: In this course students will study a country's business

practices, with a particular emphasis on accounting. During this course, students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

FIN6314: Banking and Financial Administration

3

Prerequisite: FIN 6406

Description: This course examines the structure of banking and other financial institutions; and the organization and administration of commercial banks and other financial institutions.

FIN6406: Advanced Financial Management

3

Prerequisite: All required 5000 level foundation courses

Co-requisite: ECO 6415

Description: This course involves an examination of theory and practice in financial management. Case analysis is used as a focus for class discussion.

Availability: This course is offered every semester.

FIN6407: Fundamentals of Financial Management

3

Description: This course is designed to provide students with an introduction to the field of finance. The course focuses on the responsibilities, concerns and methods of analysis employed by financial managers as well as the role financial markets and institutions play in our economy.

FIN6455: Financial Modeling

3

Description: This course will teach the user intense excel-based financial modeling. While we start with some basic functions, the course involves very advanced finance from other finance courses. Therefore, an understanding of basic corporate finance,

investment, and derivatives theories is assumed and not the focus of this course. Rather, the focus in this course is on teaching the user how to model a particular financial theorem in excel. For example, you will learn how to estimate betas and the security market line in excel, but an understanding of the topic is assumed. Permission of instructor only.

FIN6515: Investments

3

Prerequisite: FIN 6406

Description: This course focuses on investment analysis, elements of the investment process, and the criteria for investment decisions.

Availability: This course is usually only offered in the fall.

FIN6535: Derivative Securities

3

Prerequisite: FIN 6406

Description: This course introduces students to the theoretical and practical aspects of derivative securities, such as financial futures, options, futures, swaps and other financially engineered securities. The course will describe the market for these securities, derive the models to price derivatives and demonstrate effective usage of derivatives in managing financial risk.

FIN6545: Fixed Income Analysis

3

Description: Permission of instructor only. The purpose of this course is to provide students with an understanding of both basic and advanced bond investment theories and strategies that will hopefully give them a foundation to better understand the complexities and subtleties involved in the evaluation and selection of bonds and debt positions with detailed structures.

FIN6565: Student Managed Investment

Fund I

3

Prerequisite: FIN 6406

Description: This is the first in a sequence of two courses in which students perform the activities of managing a real portfolio of securities. The course is designed to operate like a typical

professionally managed fund. In this course, analyst teams are formed and officer positions are assigned. Students establish the criteria for selecting securities, research the prospective investments, generate reports, and make decisions to buy or sell securities. Students accepted into this course must continue to Student Managed Investment Fund II during the next semester. Enrollment in this course is limited by application.

Availability: This course is only offered in the fall.

FIN6566: Student Managed Investment

Fund II

3

Prerequisite: FIN 6565

Description: This is the second course in the Student Managed Investment Fund sequence and continues where Student Managed Investment Fund I left off. In this course students will continue to evaluate securities and manage the portfolio; however, more attention is directed at beginning to position the fund for the idle summer months by identifying core holdings. The final project is the preparation of the Annual Report summarizing the performance of the fund during the fall and spring semesters.

Availability: This course is offered only in the spring.

FIN6605: International Finance

3

Prerequisite: FIN 6406

Description: This course involves a comprehensive survey of international finance. The course provides a basic understanding of the forces that affect the relative values of currencies, the financial problems associated with international trade, international capital markets and international institutions. Case studies will be used to illustrate specific situations.

Availability: This course is usually offered in the fall and spring.

FIN6906: Special Work in Finance

v. 1-3

Prerequisite: FIN 6406 and this course requires prior approval of the instructor.

Description: This course involves an investigation of a selected problem or project of interest to the student.

Repeatability: The course may be repeated with a change in content up to a maximum of 6 credits.

FIN6936: Special Topics in Finance**v. 1-3**

Prerequisite: FIN 6406 and permission of the advisor and department chairperson.

Description: This course involves the study of special topics not offered in other departmental courses.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

FIN6957: Study Abroad in Finance**v. 1-9**

Prerequisite: FIN 5405 or equivalent and permission of the instructor.

Description: In this course students will conduct advanced study of a country's business practices, with a particular emphasis on finance. During this course, students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip assignments.

REE6146: Real Property Analysis**3**

Prerequisite: FIN 5405 or equivalent

Description: This course provides a study of the decision-making process of real property asset management. Private and public issues regarding the housing, real property, and business environment are included in the study. Topics concerning the legal issues, valuation, financing and investment in real estate are discussed.

REE6906: Directed Individual Study**v. 1-3**

Prerequisite: Consent of the instructor

Description: This course involves the investigation of selected problems and topics of current and permanent import in real estate and urban land economics.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

TAX6045: Tax Research and Writing **3**

Prerequisite: TAX 3001

Description: This course is designed to familiarize students with the various sources of federal tax law, to enable students to analyze tax problems, and to prepare tax briefs and memoranda to support their positions.

TAX6105: Taxation of Business Corporations **3**

Prerequisite: TAX 3001

Description: This course involves an examination of federal tax issues of business corporations. Among other topics: the formation, the liquidation, and the sale of assets and enterprises will be considered.

TAX6206: Income Taxation of Partners and Partnerships **3**

Prerequisite: TAX 3001 with a "C" or better. An examination of federal tax problems of partners and partnerships. Special problems related to formation and liquidation will be studied.

TAX6405: Federal Taxation of Gifts and Estates **3**

Prerequisite: TAX 3001 with a "C" or better

Description: This course involves an examination of the federal tax laws covering gifts and estates.

Availability: This course is usually offered only in the spring.

TAX6415: Income Taxation of Estates and Trusts **3**

Prerequisite: TAX 3001 with a "C" or better

Description: This course involves the study of income tax problems associated with estate and trust planning.

TAX6505: International Taxation **3**

Prerequisite: TAX 3011 with a "C" or better or TAX 6105 with a

"C" or better

Description: This course involves a study of international taxation rules. Topics include a survey of the "source rules"; withholding tax issues; controlled foreign corporations; Subpart F and IRC n956 income; the foreign tax credit regime; utilization of tax treaties and executive agreements in tax planning; and transfer pricing rules. In addition, there will be a brief focus on foreign tax regimes as they affect the local activities of U.S. taxpayers.

TAX6726: Tax Planning and Principles

3

Prerequisite: ACG 2021 or equivalent with a "C" or better

Description: This course is designed to acquaint the student with current federal tax law and philosophy. It will focus on the non-specialist who is interested in acquiring knowledge of tax planning and current tax problems and policy. This course cannot be taken for credit by Master of Accountancy students.

TAX6905: Advanced Studies in Taxation

v. 1-3

Prerequisite: TAX 6105 with "C" or better and permission of the instructor and department chairperson

Description: This course involves special studies in taxation undertaken independently under the supervision of an accounting department faculty member.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

TAX6957: Study Abroad in Taxation

v. 1-9

Prerequisite: Graduate standing in the Coggin College of Business and permission of the instructor

Co-requisite: ACG 6305 or equivalent

Description: In this course students will study a country's business practices, with a particular emphasis on taxation. During this course, students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

Graduate Courses

Management

BUL5810: Law and Business Environment **3**

Prerequisite: MBA classification

Description: Analysis of the legal and social environment in which businesses operate. Also considers business ethics, international law and the social political environment in which a business operates.

BUL6138: Management in the Legal Environment **3**

Description: This course introduces graduate students with little or no legal background to the legal environment of business. Topics covered include dispute resolution, administrative law, and business organizations. The basic elements of contracts and their function in business coupled with the relationship of principals and agents are discussed. Responsibilities of businesses to their employees, including hiring practices and discrimination are taught. The international environment of business will also be addressed. Regulation of business and environmental regulations are covered.

BUL6840: Employment Law **3**

Description: This course involves a study of the laws that affect employment. The major emphasis is on federal law such as those covering equal opportunity and affirmative action, OSHA, and ERISA, but there is also concern with significant Florida law affecting employees and the employment function.

BUL6904: Directed Individual Studies in Business Law **v. 1-3**

Prerequisite: BUL 3130 or equivalent and approval of department chair, director of graduate program and faculty supervisor.

Description: The course allows graduate students to investigate selected topics in business law.

Repeatability: This course may be repeated with a change in content up to a maximum of six credits.

ISM6021: Management of Information

Technology

3

Prerequisite: MAN 3025 and CGS 1100 or equivalents

Description: This course is a study of Management Information Systems with emphasis on the design, analysis, operation and control of information systems as an aid to managerial decision-making.

ISM6419: Data Visualization

3

Prerequisite: ISM6021 Management of Information Technology

Description: This course teaches the essential and practical skills in data visualization, including computer graphics, visual data representation, physical and human vision models, numerical representation of knowledge and concepts, animation techniques, pattern analysis, and computational methods.

MAN6002: Cornerstones of Management

3

Description: This is a foundation course in management for students beginning their graduate studies in the Masters of Management program. The course provides students with a basic theoretical and practical overview of management principles and skills. Topical coverage includes ethics, globalization, leadership, individual and group decision-making, motivation, and teamwork essential to the management of people in organizations.

MAN6056: Cornerstones of Managing for

Value

3

Prerequisite: Foundation courses or undergraduate equivalent

Description: This is an introductory MBA course which examines the history and philosophy of business, including: ethics, the concept of value-based management, TQM, functional integration, team building, information sources, information technology,

international aspects of business.

MAN6204: Topics in Organizational Theory **3**

Prerequisite: MAN 3025 or equivalent

Description: This course is a systematic approach to the design of structural components of organizations, for the purpose of increasing efficiency and effectiveness. Emphasis is primarily on internal and external determinants of structure and on the impact of structure on behavior in the organization.

MAN6296: Organizational Leadership **3**

Description: This course covers theories, concepts, principles and practices of organizational leadership. Topical coverage includes leader values and ethics, vision creation and communication, change and innovation, motivation and empowerment, and rewarding and inspiring others.

MAN6305: Human Resource Management **3**

Prerequisite: MAN 3025 or equivalent

Description: This course focuses on an in-depth analysis of the major functions of Human Resource Management. Topics include the contexts of human resource management, staffing, employee development, compensation, and governance.

MAN6446: Advanced Topics in Negotiation **3**

Prerequisite: MAN 3025 or equivalent

Description: This course is a broad-based examination of negotiation which includes theory based on studies of collective bargaining between labor and management. Emphasis is placed on experiential exercises and on improving interpersonal skills. Active participation in the learning process is stressed.

MAN6501: Modeling and Management of Operations **3**

Prerequisite: ECO 6415

Description: This course provides an overview of methods and

tools for planning and controlling the production and distribution of goods and services. The course includes an introduction to modeling techniques that are useful for allocating resources as well as evaluating and improving organizational processes and decisions across the firm. Managers in both manufacturing and service organizations need to understand these topics in order to increase firm value by reducing costs and required assets while maintaining or increasing output, quality, and customer service.

MAN6525: Process Management and Quality Improvements

3

Prerequisite: MAN 6501

Description: This course examines how organizations can develop and leverage excellence in, and excellence through, continuously improving process performance and quality. The course examines and analyzes various process management techniques and quality improvement initiatives (e.g. six sigma and lean) and how both manufacturing and service firms can translate these activities into value and competitive advantage. This course is recommended for students from all functional areas of business and particularly those interested in a career in management, supply chain management and management consulting.

MAN6536: Planning and Control of Business Processes

3

Description: The overall purpose of the course is to understand Business Process Management “to identify, define, analyze and improve the flow of activities, information as well as the financial flows in the business processes. This is sometimes referred to as the value chain. The course will provide the students with the understanding of how to plan, design, and control and improve business process. The course will also provide the students an in depth understanding of current as well as previously popular process related organizational change and improvement methods such as lean, six sigma, tqm and bpr. When exploring these methods, students will learn about tools, techniques as well as technology for how to analyze, measure and improve organizational processes.

MAN6557: Cross-Functional Integration and Business Planning

3

Description: The overall purpose of the course is to give the students tools and methods as well as principles, concepts and visionary perspectives within the subject area of Cross Functional Integration and Business Planning. The course will be divided into modules focused on cross-functional integration, and the key aspects included in integrated business planning. The role and importance of cross-functional teams, systems theory, a learning organization and project management will be highlighted. The course will also strengthen the students'™ holistic view of organizations and the course relates to other topic areas such as logistics/supply chain management, operations management and strategy.

MAN6581: Project Management

3

Prerequisite: ISM 6021

Description: This course deals with the acquisition of knowledge, skills, tools, and techniques to activities in business functional areas in order to meet the requirements of a particular project. This course involves an exploration of the project leader role, understanding the concepts of project management and techniques for controlling and optimizing the project process.

MAN6601: International Management

3

Description: This is a basic course in international business management. This course will focus on the international managerial variables that affect and influence strategic and operational decision and the conduct of business in the international environment.

MAN6656: Business Environment: United States

3

Prerequisite: Enrollment in the Global MBA Program or permission of the instructor

Description: This course examines the business environment in the United States, with particular emphasis on inter-country

differences relative to Germany, Poland, and China. Students will learn about historical, political, social, environmental and economic factors that influence the business environment in the US. Particular attention will be paid to the changing relative economic power of the US resulting from globalization forces. The course requires participation in several full-day visits to companies, as well as regular classroom instruction.

MAN6666: Applied Intercultural

Communication: United States

3

Prerequisite: Graduate standing in the Coggin College of Business

Description: This course investigates the link between U.S. culture and U.S. business practices with a focus on communication issues. Foundations of U.S. business culture, based upon national cultural orientations and their impact on organizational cultures are explored; along with structural variables. Cultural contrasts among business practices of U.S. organizations and business practices of organizations from other countries are analyzed.

MAN6667: Business Environment: Asia

3

Prerequisite: Graduate Standing in the Coggin College of Business This course examines the business environment in Asia, with particular emphasis on the inter-country differences within Asia. Students will learn about historical, political, social environmental and economic factors that influence the business environment in Asia. Particular attention will be paid to the changing relative power of Asian nations individually, as well as Asia as a bloc.

MAN6668: Applied Intercultural

Communication: Asia

3

Prerequisite: Graduate Standing in the Coggin College of Business

Description: This course investigates the link between Asian cultures and Asian business practices, focusing on communication issues. Foundations of Asian cultures and business culture are explored. Differences between Asian countries and cultures will be studied. Case studies are used to illustrate cultural difficulties faced by Asian firms of various nations

doing business with foreign firms.

MAN6724: Strategy for Business

3

Description: This course focuses on managing the total organization, be it for-profit, not-for-profit, or government, for long-term economic sustainability. Strategic thinking is stressed throughout the course as the cornerstone of strategy formulation. Various frameworks that include the "Resource Based View (RBV)," the Value Creation Model, the Structure, Conduct, Performance (SCP) Model and Porter's Five Forces are utilized to provide the context within which modern organizations compete. Finally, the concept of Competitive Advantage is woven into the fabric of the course.

MAN6726: Advanced Strategic Management

3

Prerequisite: Students must be in their last semester of graduate work, have an overall graduate GPA of 3.0 or better on their degree evaluation courses and have attained permission to register from a graduate advisor.

Description: Advanced Strategic Management (ASM) is the Capstone course of the MBA program. This course requires the student to assimilate and integrate the knowledge acquired from the functional disciplines through application utilizing a strategic framework. Further, students utilize various models and theories of firm structure and performance to understand how to evaluate, allocate, and deploy the various resources that an enterprise controls in order to develop and achieve integrated strategic objectives.

MAN6785: E-Business Strategy

3

Prerequisite: ISM 6021 or permission of the instructor

Description: This course encompasses the study of current management issues associated with electronic commerce strategies.

MAN6789: Social Media and Business Analytics

3

Prerequisite: ISM 6021 and permission of instructor

Description: This course presents a managerial perspective on the effective design and use of Social Media for strategic advantage and operational performance in organizations. Information technologies (IT) can have a significant impact on the productivity of the firm and its employees, and can be applied or misapplied to various business problems. The focus of this course is to gain an understanding of the potential of a new portfolio of IT tools that are subsumed under the term Social Media. The course will also help students learn how to analyze strategies for Social Media analytics.

MAN6875: Entrepreneurship and Venture

Capital

3

Prerequisite: Permission of the instructor

Description: This course focuses on the entrepreneurial aspects of small business development and funding.

MAN6905: Directed Individual Studies in

Management

v. 1-3

Prerequisite: MAN 3025 or equivalent

Description: This course allows the MBA student to investigate selected management topics, especially those of local or regional interest.

Repeatability: The course may be repeated with a change in content up to a maximum of 6 credits.

MAN6931: Special Topics in Management

v. 1-3

Description: This course is a study of special topics not offered in other courses in the department.

Repeatability: This course may be repeated with a change in content up to a maximum of 6 credits.

MAN6957: Study Abroad in Management

v. 1-9

Prerequisites: Graduate Standing in the College of Business Administration and permission of the instructor. Students will conduct advanced study of a country's business practices, with a

particular emphasis on management. During this course, students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip assignments.

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Graduate Courses

Economics and Geography

ECO6009: International Economics

3

Description: This graduate-level course provides the theoretical tools for studying international trade and the international monetary system and understanding the causes and implications of cross-border integration of the markets in goods and factors of production.

ECO6060: Economic Analysis

3

Description: The first half of this course covers macroeconomics and is an introduction to the theory of income determination and national income accounting. Additional topics include analysis of the use of monetary and fiscal policy to accomplish the goals of full employment, economic growth and price stability. The second half of this course covers microeconomics and is an introduction to the market system, market structures, and the theory of production, demand theory and general equilibrium.

ECO6415: Making Decisions with Data

3

Prerequisite: Graduate standing in the Coggin College of Business. This course teaches students to utilize data to make business decisions properly and efficiently. Students use both spreadsheets and statistical software to enter, summarize, graph, and analyze data, applying the results to a variety of real business problems. The course will normally be offered each term.

ECO6426: Applied Econometrics

3

Prerequisites: ECO 6415

Description: This course introduces econometric models for analyzing continuous, binary, categorical, and time-to-event outcomes. Topics include estimation strategies for overcoming simultaneity, endogeneity, and the specific challenges presented

by various data structures (cross section, pooled, and longitudinal). This course will use Stata software for all procedures.

ECO6705: The Global Economy **3**

Prerequisite: ECO 5115 or equivalent. The course provides the theoretical background for studying international trade and the international monetary system. Practical issues of interest to the business student, such as tariffs, import quotas, and the balance of payment, are also discussed. Normally offered fall term of odd-numbered years.

ECO6708: Political Economy of the Global Trading Environment **1.5**

Prerequisite: Graduate standing in the Coggin College of Business. This course affords students the opportunity to analyze and understand the economic issues affecting importing and exporting. Students will examine U.S. trade patterns at the local, state, and national levels and will learn about analogous patterns in other nations. They will also learn about the various types of trade barriers employed worldwide, as well as the databases and resources available for researching these regulations. They will analyze critically the case for free trade and the arguments against it, how to conduct trade with a particular country or trading bloc, and the role of the various international economic organizations.

ECO6906: Directed Individual Studies **v. 1-3**

Prerequisite: Consent of department chair. Study of special topics under the guidance of faculty members. May be repeated with change of content up to a maximum of six credits.

ECO6930: Special Topics in Economics **v. 1-3**

Prerequisite: Permission of Instructor. Study of special topics not offered in other departmental courses.

ECO6955: Study Abroad in Economics **v. 1-9**

Prerequisite: Permission of instructor. Students will study a

country's business practices with particular emphasis on economics and economic policy. The course will have three phases: pre-travel preparation and orientation, foreign travel, and post-travel reflection and synthesis.

ECP6705: Economics of Business

Decisions **3**

Prerequisite: ECO 5115 or equivalent. Study of the application of economic theory to decision-making in business. Normally offered each term.

GEO6506: Economic Geography and Geographic Information Systems **3**

Prerequisites: Admitted to the MBA program. This course will familiarize students with the major geographic features of the modern business world. The geo-economic evolution of the global trading environment will be analyzed and tools of spatial analysis using GIS technology will be introduced.

GEO6906: Directed Individual Studies in Economic Geography **v. 1-3**

Prerequisites: Consent of department chair. Study of special topics under the guidance of faculty members. May be repeated with a change of content up to a maximum of six credits.

GEO6936: Special Topics in Economic Geography **3**

Prerequisite: Admission to the MBA program. The study of advanced Geographic Information Systems.

GEO6956: Study Abroad in Geography **v. 1-9**

Prerequisite: Graduate standing in CCB Students will participate in advanced study of a country's business practices, drawing upon analysis of economic geography, culture, and political economy.

GIS6050: GIS Theory and Applications **3**

This course will introduce students to the theory and application of Geographic Information Systems (GIS) with an emphasis on research endeavors. GIS technology enables acquiring, managing, analyzing and displaying information in a spatial context. GIS techniques have become critical tools for research and decision making.

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Graduate Courses

Marketing & Logistics

ISM6404: Applications of Business

Analytics

3

Description: This overview course explores the broad topic of business analytics by focusing on the tools important to better identify and communicate valuable insights and to facilitate the flow of analytics information within an organization. Through hands-on projects and interactive classes, students will learn the foundations of analytics, including preparing, managing, exploring, and analyzing data and communicating results to executives using effective language and visualizations. This course is less about building models (e.g. optimization or predictive models) and more about practical business analysis and communication of results. Those successfully completing the course should feel comfortable identifying meaningful patterns and communicating clear results to facilitate decision making across many areas of business.

MAR6055: Fundamentals of Marketing

3

Description: This course covers the foundations of marketing which provide a systematic approach for making marketing decisions. It includes planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services.

MAR6158: International Marketing

3

Prerequisite: MAR 6805

Description: This course is an in-depth study and analysis of the role of marketing in international trade. Attention is also focused on the functions of multinational marketing and the construction of a multinational marketing strategy.

MAR6205: Strategic Sourcing

3

Description: This course is concerned with supply management strategies and activities from original planning through final delivery of finished goods and services. Among the topics to be covered are purchasing, relationships portfolios, negotiations, and ethics and social responsibilities.

MAR6206: Marketing Channel Systems **3**

Prerequisite: MAR 6805

Description: This course investigates the nature and role of marketing channels and intermediaries. Major marketing strategy problems such as designing channel objectives and constraints, distinguishing major channel alternatives, and motivating, evaluating and controlling channel members will be analyzed. This course is an elective in the MBA program.

MAR6336: Integrated Marketing Communications **3**

Prerequisite: MAR 6805

Description: This course involves the development of marketing strategies and creative campaigns that weave together multiple forms of communication media (advertising, public relations, promotion, social media, etc.) to suit the particular messaging goals for a brand. The course builds upon marketing principles to focus upon the broader promotional mix as a crucial component of marketing strategy. The course exposes students to how both traditional and nontraditional tools of promotion are integrated to effectively communicate brand messages to both customers and stakeholders.

MAR6409: Relationship Marketing **3**

Prerequisite: MAR 6805

Description: Relationship marketing is a business strategy paradigm that focuses on the systematic development and maintenance of collaborative exchange relationships both internal and external to the firm. This course explores the emerging paradigm of relationship marketing, provides a structure and overview of its relevant dimensions, demonstrates its application in contemporary marketing management, and appraises and evaluates its future as a business strategy.

MAR6506: Consumer Behavior**3**

Description: This course provides an analysis of the behavioral factors affecting demand. Consideration is given to the purchasing behavior of the industrial buyer and the ultimate consumer.

MAR6616: Marketing Research**3**

Description: This course is a study of research methods and information-gathering techniques which are applicable to problem solving in the field of marketing. Consideration is given to interpretation and use of information available.

MAR6726: Digital Marketing Analytics**3**

Prerequisite: MAR 6805 or permission of the instructor and ECO 6415

Description: This course encompasses the formulation and implementation of a digital strategy and related strategic marketing plan for a product/service offering on the Internet including the use of analytics to create and improve digital marketing strategy. (3 credit hours)

MAR6735: Consumer Analytics**3**

Prerequisite: MAR 6805 or instructor permission and ECO 6415

Description: This overview course explores the broad topic of analytics by focusing on the aspects important to marketing managers such as segmentation, targeting, positioning, product innovation, promotion strategy, and customer lifetime value. Through interactive classes students will learn the foundations of marketing analytics including preparing, managing, exploring, and analyzing marketing data with appropriate statistical tests, and communicating results to executives using effective language and visualizations. This course is less about building models and more about practical analysis and communication of results. Those successfully completing the course should feel comfortable approaching marketing data to discover meaningful patterns and communicate results that will facilitate decision making in all areas of marketing. (3 credit hours)

MAR6805: Marketing Strategy**3**

Prerequisite: MAN 5036 or MAR 3023

Description: This course includes a study of the development and implementation of marketing strategy to provide for superior customer, value, satisfaction, and loyalty. Topics include: mission/vision development, environmental scanning, SWOT analysis, marketing goals and objectives, and segmentation, targeting, differentiation, positioning and growth strategies. Emphasis is placed on relationship building, globalization, internal marketing, quality management, and entrepreneurship. Case studies will be emphasized .

MAR6916: Directed Individual Study**v. 1-3**

Prerequisite: MAR 6805

Description: This course allows the student to investigate special marketing topics, especially those of local and regional interest under faculty guidance.

Repeatability: This course may be repeated for up to 6 credits with different course content.

MAR6933: Special Topics in Marketing**v. 1-3**

Prerequisite: Permission of the instructor

Description: This course consists of analysis and discussion of advanced problem areas in marketing.

Repeatability: This course may be repeated for up to 6 credits.

**TRA5223: Production, Marketing, Logistics
Management****3**

Prerequisite: Graduate standing

Description: This course is an analysis of the production, marketing and logistics functions.

**TRA6015: Graduate Survey in
Transportation****3**

Description: Students will individually and collaboratively review and address significant problems of practice in transportation

planning, management, and policy.

TRA6157: Supply Chain Management **3**

Prerequisite: MAN 6501 and ISM 6021 or permission of the instructor

Description: This course covers the integration, operations, management and strategic implications of electronic supply chain management for manufacturing and service firms. Emphasis is placed on the processes that span multiple firms within the supply chain from source to end-customer.

TRA6216: Strategic Logistics Management **3**

Prerequisite: TRA 5223 or equivalent

Description: This course covers a total system approach to managing all activities involved in moving material, products, services and information from point of origin to point of use. Emphasis is placed on customer service as a means of gaining a competitive advantage.

TRA6725: International Logistics **3**

Prerequisite: Graduate standing in the Coggin College of Business

Description: This course covers a variety of aspects of international logistics for establishing and sustaining global operations. Issues addressed include the strategic and operational roles of logistics in international trade; the role of shipping and air transportation in international logistics and its impact on world trade; international distribution channels; the logistics mix in an international context; and the management of import/export shipments including documentation requirements.

TRA6905: Directed Individual Study **v. 1-3**

Prerequisite: Permission of the department chair

Description: This course is a study of special topics under faculty guidance.

Repeatability: This course may be repeated for a total of 6 credits with different course content.

Description: Students will creatively address significant problems of practice in collaboration with others using inquiry informed by observation, multiple perspectives, research, and theory toward improving logistics and supply chain management.

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Graduate Courses

Biology

BCH5418: Advanced Molecular Biology and Biochemistry

3

Co-requisite: BCH 5418L

Description: This course offers an advanced survey of the structure, functional properties, synthesis, and degradation of amino acids, proteins, carbohydrates, lipids, and nucleic acids. Primary literature will also be presented and critically evaluated.

BCH5418L: Advanced Molecular Biology and Biochemistry Laboratory

1

Co-requisite: BCH 5418

Description: This laboratory-based course is designed as a hands-on experience to introduce students to modern molecular biology and biochemistry techniques and to hone their abilities to gather, organize, report, and interpret data. This course offers an advanced survey of the structure, functional properties, synthesis, and degradation of amino acids, proteins, carbohydrates, lipids, and nucleic acids.

Course Fees: \$51.93

BOT5186C: Advanced Marine Botany

4

This course is designed to offer students an in depth study of marine plants in the pelagic open-ocean and coastal environments. Primary focus will be on the ecology, biochemistry, physiology, and life history strategies of both phytoplankton and benthic marine algal communities. (A laboratory fee of \$51.93 will be assessed.)

BOT5585C: Advanced Plant Anatomy and Physiology

4

Description: This course will provide a critical review of the anatomy, physiology, and diversity of vascular plants, and their interaction with the environment.

BSC5028: Advanced Biology of Aging **3**

Prerequisite: PCB 4713C

Description: This course will give students an in-depth comprehension of why aging occurs and the mechanisms by which aging occurs. A combination of lecture and discussion of primary papers will be used. Focus will be on studies using simple experimental models to approach the underlying cellular bases for age-related deterioration. In particular, the roles of mitochondria, chromosomes, nutrient signaling, and reproduction will be explored.

BSC5075C: Advanced Physiology **4**

Prerequisite: Permission of the instructor. The study of functional activities and interactions of cells, tissues, and organs, with emphasis on respiration, excitation, transport phenomena, and control mechanisms. An independent literature research project will be required. (A laboratory fee of \$51.93 will be assessed.)

**BSC5872: Advanced Biological
Pharmacology** **3**

This course focuses on the biological mechanisms of drug absorption, distribution, metabolism, excretion, and mechanisms of action with an emphasis on cellular responses to drugs. Students will learn the basic mathematical principles of pharmacokinetics and receptor binding as well as the relationship between drug concentration and effects. The mechanisms of action and side effects of the major classes of drugs will be covered as well as background information on the pathological conditions they treat. Students will review relevant journal articles from a peer reviewed pharmacological journal and lead class discussion.

**BSC5905: Directed Independent Study:
Biology**

v. 2-4

Prerequisite: Permission of instructor. Participation in a research investigation under the supervision of the instructor. May be repeated for credit.

BSC5930: Biology Seminar **1**

This course consists of a lecture series by experts from a wide range of biological disciplines that students attend.

BSC5936: Selected Topics in Biology **v. 1-4**

Prerequisite: Permission of instructor. Introductory graduate-level course in biology. May be repeated for credit.

BSC6515C: Aquatic Toxicology **4**

Description: The purpose of this course is to introduce graduate students to basic and advanced concepts in the field of aquatic toxicology, which is the study of the exposure to and effects of environmental pollutants in aquatic wildlife. This will be accomplished using an investigative approach in which students will gain hands-on experience in developing and conducting novel toxicological research, and communicating the results of these studies in oral and written format.

BSC6840: Critical Skills in Science **3**

Description: The purpose of this course is to provide graduate Biology students with advanced training in the critical skills necessary for becoming a professional biologist. This includes skills in grant writing and peer review, oral and public presentation of scientific research, research ethics, manuscript preparation, public outreach, and the development of materials needed for the scientific job search.

BSC6917: Advanced Graduate Research **v. 1-4**

Description: Students will conduct directed independent research under the advisement of their graduate advisor and committee. This research may be in the form of hands-on techniques in a

laboratory setting, using computer modeling, or literature-based research.

BSC6931: Advanced Readings in Biology v. 1-3

Prerequisite: Permission of instructor. This course will focus on in-depth reading and discussion of primary literature in biology. Before the course, the instructor will be responsible for advertising the sub-discipline in biology on which the course will focus. The exact papers to be read will depend on the interests of the instructor and the students. The readings will be a series of papers on a single topic for several weeks, so that the conversation on the topic continues from meeting to meeting.

BSC6941: Mayo Clinic Graduate Biomedical Research Internship v. 1-4

Description: Students will gain research training in a biomedical science laboratory at the Mayo Clinic Florida under the direction of a scientist at that institution.

BSC6948: Graduate Internship in Biomedical Science v. 1-4

Description: Students will conduct directed independent research through an off-campus internship. Said internship will be approved by the faculty of the Biology department. This research may be in the form of hands-on techniques in a laboratory setting, using computer modeling, or literature-based research.

BSC6971: Graduate Thesis Defense 1

Prerequisite: Permission of instructor. Graduate students in biology must take this course during their final semester in the program. Students must complete the written portion of their thesis and provide a public oral defense. It is required for partial fulfillment of the graduate degree in biology.

BSC6972: Graduate Thesis Research v. 1-9

Prerequisite: Acceptance into the MS Program in Biology. MS graduate students in biology must complete a minimum of 10 graduate thesis research credits in partial fulfillment of the requirements for the MS in Biology degree. Students will conduct directed independent research under the advisement of their graduate advisor and committee.

FAS5355: Advanced Coastal Fisheries

Management

3

Prerequisite: BSC 2012C

Description: This course is designed to offer students an in-depth study of fish population dynamics and the management of coastal living resources. Primary focus will be on the physical, biological and human factors that regulate coastal fish populations, methods for estimating life history parameters, development of quantitative models to assess fishery stocks, and understanding the implications of management decisions on fishery stakeholders. Students will be required to complete a mini stock assessment using real data sets available from the literature or regional coastal management agencies (e.g., Florida Fish & Wildlife Commission, South Atlantic Fisheries Management Council).

FAS6355L: Advanced Coastal Fisheries

Management Laboratory

2

Co-requisite: FAS 5355

Description: This laboratory course is designed to offer students hands-on experience modeling fish population dynamics. The primary focus will be on the estimation of life history parameters and the development of rigorous quantitative models to assess fish populations using real data from regionally, federally, and internationally managed fish stocks. Students will apply the knowledge and skills learned during the semester to conduct an independent project with results presented in both written and oral reports.

MCB5024C: Advanced Molecular Biology

Techniques

4

Prerequisite: PCB 3023C or by permission of the instructor This

course will provide students with skills necessary to participate in biomedical research programs. Modern biology techniques related to recombinant DNA and proteins will be presented and practiced within a laboratory setting. Experimental design, data analysis, and data presentation will also be addressed. (A laboratory fee of \$51.93 will be assessed.)

MCB5205: Pathogenic Bacteriology **3**

Prerequisite: MCB 2010C or MCB 3020C

Description: This course will delve into the biologic basis of infectious diseases. It will emphasize bacterial infections, the principles of the host-parasite relationship, the pathogenic characteristics and virulence factors of micro-organisms, and the various modes of action of antimicrobial agents. Three hours lecture.

MCB5505: Advanced Virology **3**

Description: A structure/function approach to understanding the virus lifecycle will be used to investigate animal, bacterial, plant, and insect viruses. Focus on the history of Virology, virus structure, genetics, biocontainment, and current topics will assist in the understanding of the nature of viruses and unconventional agents. Current review of primary literature is required.

MCB6175C: Integrative Microscopy **3**

The theoretical aspects of Bright Field, Dark Field, Phase Contrast, Fluorescence, Confocal and Electron Microscopy will be discussed. Mastery of specimen preparation techniques, thick and thin sectioning, special staining, freeze fracture, enzyme histochemistry, immunolabelling, and heavy metal staining will be accomplished. These advanced techniques will allow students to observe cellular structure and ultrastructure, while the use of specific labels to probe for macromolecules will emphasize the link between structure and function in biology. (A laboratory fee of \$51.93 will be assessed.)

PCB5106: Cellular Biology **3**

BA or BS in a natural science area. A study of cell structure and

functions with emphasis on the structure and function of intracellular organelles and their biochemistry. Three hours lecture.

PCB5235: Cellular Immunology

3

Prerequisite: PCB 3023C The course is an overview of the cellular basis of innate and acquired immunity. Topics include antibody-antigen interactions, organization of antibody genes, mechanisms of B cell and T cell activation, the major histocompatibility complex, complement, and cell-mediated cytotoxic responses.

PCB5525: Molecular Genetics

3

Prerequisite: PCB 3023C, BCH 4033, PCB 3063C. This course will detail the molecular basis of inheritance in both prokaryotes and eukaryotes. Topics will cover the structure and function of DNA, including replication, repair, and recombination. Expressions of genes including transcription, translation, and processing of RNA will be covered, as well as regulation of these events. These processes will then be incorporated into the role of gene function in signal transduction and development.

PCB5545: Advanced Genomics

3

Description: Genomics is one of the newest and most exciting fields in biology. Discoveries made in this field have far reaching implications for important topics such as the evolution of life on our planet and the genetic causes of human diseases. This course will focus on the history of genomics, the technology used to sequence and analyze genomes, and the discoveries made from investigations of genomes. This course will address questions such as what genomic comparisons reveal about the relationship between disparate animal lineages; how the genome controls the production of the phenotype; the relationship between genome complexity and phenotype complexity; the evolutionary mechanisms that control genome architecture; and the genomic underpinnings of human disease.

PCB5845: Cellular and Molecular Neuroscience

3

Prerequisite: PCB 3023C. The course is an overview of structure-function relationships in the nervous system at the molecular level. Topics include development of neurons, neuron-specific gene expression, mechanisms of neuronal plasticity in learning and memory, synaptic release, molecular biology of neurological disorders, and molecular neuropharmacology. Written and oral presentations are assigned to enhance students' communication skills.

PCB6236: Advanced Cancer Biology **3**

Permission of Instructor. This course will focus on cancer biology at the molecular and cellular level. Changes in the genetics and behavior of cancer cells, as well as the causes of these changes will be discussed. Current aspects of cancer epidemiology and treatment will also be covered. Students who successfully complete the course will have a thorough understanding of cancer biology at the cellular level.

PCB6307C: Freshwater Ecology **4**

This course involves the study of inland waters which includes lakes, streams, rivers, and wetlands. Subjects include physical, chemical, and biological limnology, with an emphasis on ecological applications. (A laboratory fee of \$51.93 will be assessed.)

PCB6314C: Marine Ecology **4**

This course focuses on the distribution and dynamics of marine populations in relation to the physical and chemical environment of the ocean. (Open to certified biology teachers by permission of the instructor.) This course includes three hours of lecture and one hour of laboratory. (A laboratory fee of \$51.93 will be assessed.)

PCB6395C: Environmental Physiology **4**

Prerequisite: PCB 4713C or permission of the instructor. This course is designed to prepare students to conduct graduate research in environmental physiology or a related field. Students will learn how animals cope with challenging, changing environments. The themes of the course will be acclimation, or

physiological adjustment to a new environment, and physiological adaptation, or genetic change of regulatory mechanisms. (A laboratory fee of \$51.93 will be assessed.)

PCB6447: Community Ecology

3

Prerequisite: PCB 3043C. This course will be an in-depth examination of community ecology, with emphasis on diversity, stability, trophic structure, and the processes that affect community structure.

PCB6480: Quantitative Ecology

3

Prerequisite: PCB 3043C or equivalent This course will focus on how to design, conduct, and analyze some of the most frequently employed ecological experiments. Types of studies discussed will include (but are not limited to) assessing biodiversity, determining environmental constraints on population growth, and calculation of ecophysiological tolerances. Emphasis will be placed on how to effectively design studies to test hypotheses in heterogeneous natural environments and how to interpret experimental results.

PCB6675: Advanced Evolution

3

Prerequisite: PCB 3043C, PCB 3063C or permission of the instructor.

Description: Evolution is the unifying theory of biology, linking fields as diverse as biochemistry and ecology, genetics and anatomy. In this course we will investigate both the wealth of evidence for evolution by common descent and the genetic and ecological mechanisms by which evolution occurs in natural populations. Students will be required to independently analyze current literature articles on evolutionary research on a weekly basis. In addition we will cover the history of evolutionary biology from pre-Darwinism views to present day controversies, and the key events that have lead to our current understanding of the subject.

PCB6685: Population Genetics

3

Prerequisite: PCB 3063C or permission of the instructor. Understanding the genetic processes at work in natural populations is essential to the understanding of many biological

fields including Evolution and Ecology. In this course we will discuss the basic mechanisms of population genetic change, such as mutation, non-random mating, genetic drift and natural selection. We will also cover topics such as quantitative genetics and molecular evolution.

ZOO5206C: Advanced Entomology **4**

Description: Insects represent one of the most diverse groups of organisms on the planet. In this course we will investigate the evolution, taxonomy, anatomy, physiology and ecology of the major evolutionary branches of the insects. We will consider the interactions between insects and other groups of organisms with a special emphasis on their relationship to humans. This course has a required lab component where students create an insect collection from the wild. This process includes collecting, killing and preserving insects.

ZOO5235C: Advanced Parasitology **4**

Prerequisites: BSC 2020C, ZOO 3713C or permission of the instructor. This course covers the biology of the most important human parasites and touches many of veterinary significance. We will consider representatives from the protistans, platyhelminthes, nematodes, and a few arthropods. Topics will include evolution, geographic range, anatomy, physiology, epidemiology and life cycles, disease caused, and treatments and cures. Students will complete a review paper on a topic of their choice in the field of Parasitology. (A laboratory fee of \$51.93 will be assessed.)

ZOO5455C: Advanced Ichthyology **4**

Prerequisites: PCB 4713C or permission of the instructor. Ichthyology is the study of fishes. Topics covered during this course include anatomy, physiology, taxonomic diversity, life history, ecology, and behavior of fishes. Different techniques for the study of fishes will be introduced during the laboratory section. Students will be required to do an independent research project in fish biology. The laboratory involves experimentation with living animals and/or dissection of preserved animals. (A laboratory fee of \$51.93 will be assessed.)

ZOO5463C: Advanced Herpetology **4**

Prerequisites: BSC 2020C, ZOO 3713C or permission of the instructor. In this course we will study the biology of two vertebrate classes, the Amphibia and Reptilia. We will consider some critical evolutionary adaptations emphasizing anatomy and physiology of each of these groups, and then survey important members of various families. The first half of the course is devoted to amphibians, and the second half to reptiles. Students will read about a topic, plan a study, collect data, and write a term paper in the field of Herpetology. This course includes dissection and experimentation on live and/or preserved animals. (A laboratory fee of \$51.93 will be assessed.)

ZOO5487: Advanced Biology of Marine Mammals **3**

Co-requisite: ZOO 5487L

Description: This course is designed to provide students with an in depth understanding of the biology and ecology of marine mammals, with an emphasis on understanding how marine mammals are adapted to their environment. Selected topics would include taxonomy, zoogeography, anatomy, physiology, behavior, conservation and management of marine mammals.

ZOO5487L: Advanced Biology of Marine Mammals Laboratory **1**

Co-requisite: ZOO 5487

Description: This course is an advanced study of the biology and ecology of marine mammals, with an emphasis on understanding how marine mammals are adapted to their environment. This course is designed to provide students with hands on experience in techniques used to study marine mammal biology. Selected topics include taxonomy, anatomy, physiology, behavior, conservation and management of marine mammals.

ZOO5514: Advanced Animal Behavior **3**

Description: This course focuses on developing an advanced understanding of animal behavior from an evolutionary and

ecological perspective. Using a comparative approach, we will explore the basic questions of how and why animals behave in certain ways to survive, obtain resources and reproduce. Case studies, from both field and laboratory research, will be integrated throughout this course and examples will be drawn from a variety of animal groups to illustrate major concepts. Through this course learners will develop the conceptual framework to understand and appreciate the diversity and complexity of animal behavior.

ZOO5717C: Canine Anatomy

4

Prerequisites: BSC 2020C, ZOO 3713C or permission of the instructor. In this course we will study the dog as a model for mammalian anatomy. The emphasis will be on laboratory dissections, which are held three times per week, and will be supplemented with two lectures per week. The dissections approaches are often those taken for surgery, and many structures not located in previous courses will be found. Students will be required to conduct advanced dissections of selected anatomical structures. (A laboratory fee of \$51.93 will be assessed.)

ZOO5754: Advanced Histology

3

Co-requisite: ZOO 754L

Description: This course focuses on the structure and function of cells comprising healthy tissues and organs. Students will learn to identify all major cell types and their functions in the human body. Lecture material will include an organ system approach to the human body including molecules to organ systems. Graduate students will review current primary literature in histology. Requires graduate standing and permission of the instructor.

ZOO5754L: Advanced Histological Techniques Lab

2

Co-requisite: ZOO 5754

Description: This course focuses on the structure and function of cells comprising healthy tissues and organs. Lecture topics will be integrated into the laboratory through histological diagnostics at the light microscope-level. Students will analyze prepared

microscope slides of tissues and organs. The laboratory also involves resection of murine tissues, comparative processing and preparation of microscope slides, immunohistochemistry, epifluorescent microscopy and digital photography and processing of final images. Graduate standing and instructor permission required.

Availability: Every other year

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Graduate Courses

Music

MUE5316: Teaching Elementary Music

Programs

3

Description: This course focuses on teaching, organizing, developing, and maintaining quality elementary music programs. Topics include teaching children to sing, play classroom instruments, move to music, actively listen to music, and create their own music through a balanced approach to inclusion of Florida and National standards in the classroom. This course includes a field experience component in public schools.

MUE5336: Teaching Secondary Choral

Music Programs

3

Discriptions: Teaching and Assessment focuses on directing, organizing, developing, and maintaining quality choral music programs at the secondary level. Topics include conducting, choral literature, rehearsal skills, recruitment and retention, and a balanced approach to inclusion of Florida and National standards in the classroom. This course includes a field experience component in public schools.

MUE5338: Teaching Secondary

Instrumental Music Programs

3

Description: Teaching and Assessment focuses on directing, organizing, developing, and maintaining quality instrumental music programs at the secondary level. Topics include conducting, band and orchestra literature, rehearsal skills, recruitment and retention, and a balanced approach to inclusion of Florida and National standards in the classroom. This course includes a field experience component in public schools.

MUE6080: Historical and Philosophical

Foundations of Music Education

3

Description: This course focuses on historical and sociological developments of music education in the United States and other nations, as well as influential music education philosophical positions. Students will learn, lead discussion, and conduct original research on topics related to the history and philosophy of music education.

MUE6695: Contemporary Issues in Pedagogy and Curriculum

3

Description: This course focuses on contemporary music pedagogical models and curricula with a focus on implementation. Emphasis will be placed on pedagogical models which focus on learner-centered education, technology, and multicultural perspectives, all of which actively engage learners in music making.

MUE6785: Research in Music Education

3

Prerequisite: MUS 5711

Description: This course provides an overview of research traditions and the common research approaches used by music education researchers. Students learn about different types of research through various modules and reading and discussion.

MUE6790: Graduate Capstone in Music Education

3

Prerequisite: MUS 5711, MUE 6080 and MUE 6785

Description: This is a culminating project representing the achievements and/or discoveries made in the music education degree. Depending on the professional goals and needs of the student, this could take the form of a Master's Thesis, a conducting recital, a performance recital, a full-time supervised internship in a public school, or a variety of other graduate-level activities representing original contributions to the profession.

MUE6946: Graduate Music Education

Internship

6

Prerequisite: As prescribed on the student teaching application form: Bachelor's Degree. This course is a graduate internship experience which is organized around eight major objectives and the State of Florida's professional skills. Students must complete the requirements prescribed on the student's intern application form. This course is designed as a graduate level culminating experience in the student's major field of music and provides the student with an opportunity to practice skills under the careful observation and in cooperation with a master teacher.

MUG6103: Conducting Intensive

3

Description: This course will focus on the score study of various compositions and integrate this knowledge with the physiological dimension of conducting. It is designed to prepare the conductor for success in multiple musical situations, and to heighten the conducting skills learned in music theory, advanced conducting courses, and real-world conducting experiences. Permission of the instructor is required. This course is repeatable up to a maximum of 12 credits.

MUG6205: Advanced Choral Conducting

2

Prerequisite: MUT 1112 and MUG 3104

Description: This course provides advanced study in choral conducting. This course will engage in an intensive study of the art of conducting, score preparation/analysis, and rehearsal pedagogy. Students will study conducting with emphasis on going beyond the pattern, gesture-to-sound relationship, and demonstrate knowledge of a wide range of musical forms and concepts through conducting. Additional topics may include technical studies, sight-reading and selections from masterworks. Material will be assigned based on student ability and will be chosen from a broad selection of traditional and non-traditional choral and orchestral repertoire. Permission of the instructor is required.

MUG6206: Applied Choral Conducting

2

Description: This course provides individual study in conducting.

Students will study conducting with emphasis to deepen relationship to the score “beyond the pattern” with a focus on gesture-to-sound relationships based on knowledge of the music. Additional topics may include technical studies, sight-reading and selections from masterworks. Repertoire will be assigned based on student ability and will be chosen from a broad selection of traditional and non-traditional choral and orchestral repertoire. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MUG6256: Choral Conducting and Literature Seminar

2

Description: This course provides additional study in conducting and literature. This course will engage in an intensive study in conducting topics, repertoire, score preparation/analysis, rehearsal techniques, resource assessments, technical studies, sight-reading and selections from masterworks. Assignments will be given based on student ability and chosen from a broad selection of traditional and non-traditional repertoire. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUG6305: Advanced Instrumental Conducting

2

Prerequisite: MUT 1112 and MUG 3104

Description: This course will engage in an intensive study of the art of conducting, score preparation/analysis, and rehearsal techniques. A variety of philosophical and physiological approaches to each of these elements will be presented and discussed throughout the semester. Permission of the instructor is required.

MUG6306: Applied Instrumental Conducting

2

Description: This course will engage in an intensive study of the

art of conducting, score preparation/analysis, and rehearsal techniques. A variety of philosophical and physiological approaches to each of these elements will be presented and discussed throughout the semester designed specifically to establish the procedures for an informed and artistic performance. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MUG6356: Instrumental Conducting and Literature Seminar

2

Description: The primary focus of this seminar course will be the establishment of procedures for an informed and artistic performance, while exploring/analyzing the dimension of instrumental repertoire and inherent conducting requirements and expectations. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUG6402: Score Study and Preparation

v. 1-3

Prerequisite: MUG 6205 or MUG 6305

Description: This course will focus on the score study of a variety of compositions as determined by the instructor. It is designed to prepare the conductor for success in multiple musical situations, and to build upon the analytical skills learned in music theory and advanced conducting courses. Permission of the instructor is required. This course is repeatable up to a maximum of 6 credits.

MUG6954: Graduate Conducting Lecture Recital

2

Description: This course will engage in an intensive study of the art of conducting, score preparation/analysis, and rehearsal techniques. A variety of philosophical and physiological approaches to each of these elements will be presented and discussed on a pre-determined topic presented in a lecture format. Permission of the instructor is required.

MUG6957: Graduate Conducting Recital

2

Description: As a culminating demonstration of professional capability in the major field, the student must conduct an ensemble in public performance as designated by the supervising faculty member. Depending on conducting student assignments, these recitals will include repertoire conducted with an assigned group for the semester or with an outside group, respectively. Repertoire will be researched and chosen by the student in conjunction with the instructor and ensemble will be determined depending on the semester's ensemble requirements. Permission of the instructor is required.

MUH5635: Topics in American Music

3

Description: This course is a study of topics in music of the United States. The course will examine issues of musical style and explore the aesthetic, cultural, and social circumstances as they apply to musical works by American composers.

Repeatability: This course may be repeated for a maximum of 9 credits.

MUH5675: Topics in 20th Century Music

History

3

Description: This course is a study of topics in music of the 20th century, with a focus on art music. The course will examine issues of musical style and explore the aesthetic, cultural, and social circumstances as they apply to genres of music composed during the 20th century.

Repeatability: This course may be repeated for a maximum of 9 credits.

MUH5807: Evolution of Jazz 2

3

Description: This course continues the study of Jazz music initiated in The Evolution of Jazz by developing an advanced understanding of how the artists approach creating this music and through identifying the various stylistic elements associated with

the different historical periods of Jazz music. In addition to presenting an in depth analysis of the most prominent artists and literature through a series of videos, the course will also focus on the cultural dynamics involved in the development of Jazz from 1890 to the present. Course material will also feature analysis of the role of the Jazz drummer, an integral component in the development of Jazz. Course format is organized as a distance-learning course.

MUH6684: Perspectives in Music History **3**

Prerequisite: MUS 5711

Description: Perspectives in Music History introduces students to the study of musicology. Students will read, evaluate, and discuss examples of music scholarship about a variety of topics, including traditional musicology, ethnomusicology, and popular music and jazz studies. This course also introduces students to methodology such as traditional analysis, historical research, ethnography, and close reading of texts. Students will also improve their writing skills through a major research paper on a topic within their specialty or interest.

MUL5567: Instrumental Literature **3**

Description: Instrumental Literature will explore the rich and diverse history of instrumental repertoire and the accompanying conducting, rehearsal and performance demands of the conductor. Permission of the instructor is required.

MUL6416: Special Topics in Piano Literature **3**

Description: This course targets chosen areas of the piano repertoire for detailed examination. Topics may be chosen according to historical era, selected composers' output or selected forms or techniques.

Repeatability: This course may be repeated for a maximum of 12 credits.

MUL6452: Woodwind Literature **3**

Description: This course will examine and evaluate solo, ensemble, and orchestral woodwind literature, including music from all available styles and periods. Emphasis will be placed on the students' primary instrument of performance. A component of this study will include knowledge of available reference books which evaluate or list solos by difficulty level, texts, and information sources. The course activities provide a comprehensive knowledge of woodwind literature, and improve the students ability to identify the quality and value of compositions for study and performance.

MUL6453: Brass Literature

3

Description: This course will examine and evaluate solo, ensemble, and orchestral brass literature, including music from all available styles and periods. Emphasis will be placed on the students' primary instrument of performance. A component of this study will include knowledge of available reference books which evaluate or list solos by difficulty level, texts, and information sources. The course activities provide a comprehensive knowledge of brass literature, and improve the students ability to identify the quality and value of compositions for study and performance.

MUL6465: Percussion Literature

3

Description: This course will examine and evaluate solo, ensemble, and orchestral percussion literature, including music from all available styles and periods. Emphasis will be placed on the students' primary instrument of performance. A component of this study will include knowledge of available reference books which evaluate or list solos by difficulty level, texts, and information sources. The course activities provide a comprehensive knowledge of percussion literature, and improve the students ability to identify the quality and value of compositions for study and performance.

MUL6606: Vocal Literature

2

Description: Vocal Literature is especially designed for singers as an in-depth examination of the standard vocal repertory spanning Baroque through Contemporary time periods. Emphasis will be placed on literature in Italian, English, Spanish, German, and French.

MUL6645: Choral Literature

3

Description: This course serves as a survey of choral literature. Writing, research, and advanced music theory, history, style and performance practice are major components of this course. Permission of the instructor is required.

MUL6654: Choral-Orchestral Masterworks **v. 1-3**

Prerequisite: MUG 6205 or MUG 6305 and MUL 6645 or MUG 6256 or MUG 6356

Description: This course will provide in-depth study of repertoire from the classical choral-symphonic canon. Permission of the instructor is required.

Repeatability: This course is repeatable up to a maximum of 6 credits.

MUN5467: String-Piano Sonata Class

v. 0-2

Description: This course is an intensive chamber music elective for string players and pianists, where students collaborate to produce polished performances of challenging repertoire. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Repeatability: The course may be repeated for a maximum of 8 credits.

MUN6007: Graduate Chorale

v. 0-1

Description: Membership in Chorale provides students with a choral singing background the opportunity to experience a vast array of musical styles, to work diligently and enthusiastically to achieve excellence in performance, and to perform alongside

others who share an interest in choral music. Chorale performs up to four required concerts per semester. In addition to the mandatory activities during rehearsal time, Chorale offers opportunities in student leadership, such as fundraising, social events, and volunteering to assist before and after concerts with set-up, recruitment, or receptions. A positive/respectful demeanor, enthusiasm, accountability, and punctuality are elements for successful participation in this ensemble. Permission of the instructor is required. This course is repeatable for up to 4 credits. A materials fee of \$35 will be assessed.

MUN6145: Wind Symphony

v. 0-1

Description: The Wind Symphony performs a full spectrum of traditional and contemporary wind band literature, with performances scheduled on and off campus. This course is required of instrumental majors and is open to all other graduate students. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUN6215: Orchestra

v. 0-1

Description: This course focuses on the study and performance of standard classical, romantic and contemporary orchestral repertoires. Historical and stylistic considerations for each musical work selected is analyzed in depth. The UNF Orchestra gives many performances throughout the year in the UNF Fine Arts concert halls, as well as other concert venues.

Repeatability: This course may be repeated for a maximum of 12 credits.

MUN6315: Graduate Choral Ensemble

v. 0-1

Description: Each semester in residence, MM students in both conducting and voice are required to participate in ensembles. Placement in ensembles will be determined through an audition process. The choral repertoire includes music from the Renaissance to contemporary music and ranges from chamber music to choral-orchestral masterworks. The ensemble will

rehearse up to four hours per week in addition to dress rehearsals and public performances. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits. Course Fee: \$35

MUN6345: Graduate Chamber Singers

v. 0-1

Description: The primary goal of Chamber Singers is to prepare and train UNF's top musicians for a professional career in music. This ensemble provides opportunities to perform vocal music at the highest level possible, to learn and experience a variety of styles, to work with peers to meet exemplary performance goals, and to achieve a professional level as a performer. The Chamber Singers are a primary recruiting ensemble for the department, with off-campus performances and recordings done locally, nationally, and internationally. The time commitment includes up to seven mandatory performances per semester, spring recruiting days in local schools, 2-8 voluntary solo and small ensemble performance opportunities, and an international performance tour every few years in early May. Permission of the instructor is required. This course is repeatable for up to 4 credits. A materials fee of \$35 will be assessed.

MUN6435: Brass Chamber Ensemble

v. 0-1

Description: Four semesters of Chamber Music are required for brass majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of instruction per week, focusing on brass chamber ensemble technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at scheduled performances during each semester.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUN6465: Graduate Chamber Music

v. 0-1

Description: In this course students will study and perform a variety of music for various chamber ensembles.

Repeatability: This course may be repeated for a maximum of 6

credits.

MUN6466: Instrumental Ensemble

Performance

v. 0-1

Description: This ensemble experience will explore a full spectrum of traditional and contemporary repertoire in both small and large ensemble environments. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUN6497: Trumpet Ensemble

v. 0-1

Description: Four semesters of Chamber Music are required for brass majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of instruction per week, focusing on brass chamber ensemble technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at scheduled performances during each semester.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUN6515: Piano Accompanying

v. 0-1

Description: This course will ask students to accompany a single student recital, including the pre-concert jury, dress rehearsal, performance, their lessons with the soloist's teacher, and practice times mutually agreeable to soloist and accompanist or accompany private lessons in studios as assigned for a total of 4 hours per week. On occasion this course may require weekend rehearsals and performances. This course will satisfy one option for graduate piano students to meet the requirement for large ensemble credit. It can be taken, with instructor permission, in place of Choral Ensemble, Orchestra, or Wind Symphony.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUN6715: Jazz Ensemble

v. 0-1

Description: This course emphasizes the performance of jazz repertoire through the big band medium. The repertoire explored will expose the student to a variety of idioms from different cultures. Music reading skills are required. In addition to the scheduled class time, performances will take place on and off campus. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUN6716: Jazz Combo

v. 0-1

Description: In this course students will study and perform a variety of music for small jazz ensembles.

Repeatability: This course may be repeated for a maximum of 4 credits.

MUO6609: Opera Mainstage

0

Description: This course offers a production based curriculum, which requires participation in two rehearsals per week and performance of concerts, full opera productions, or any additional events presented by UNF Opera Mainstage each semester. Student progress will be assessed each week through musical and dramatic performance of assigned operatic repertoire. Each semester's commitment will culminate with a final performance of complete opera production, or selected concert repertoire, and will be graded by the supervising faculty. Permission of the instructor is required to register for this course.

MUO6655: Opera Ensemble

1

Description: Four semesters of vocal ensembles are required for voice majors seeking the Master of Music (M.M) performance degree. This course offers a production based curriculum, which requires participation in two rehearsals per week and performance of concerts, full opera productions, or any additional events presented by UNF Opera Ensemble each semester. Learning will be assessed each week through musical and dramatic

performance of assigned opera repertoire. Each semester will culminate with a final performance of complete opera production, or selected concert repertoire, and will be graded by the supervising faculty.

Repeatability: This course may be repeated for a maximum of 8 credits.

MUS5325: The Music Business

3

Description: This course offers students an opportunity to explore the business side of music. Items to be studied include unions, contract writing, copyrights, laws pertaining to the music industry, the recording industry, and performing rights organizations. As appropriate, visiting guests will be invited to address the class. Among the guests may be Eminent Scholars, Great American Jazz Series guest artists, and other professionals.

MUS5661: Philosophy of Music

3

Description: This course introduces students to the variety of philosophical perspectives that have enhanced our understanding of the phenomenon of music. The identity of "music" is explored in light of different cultural, social, and aesthetic contexts. We focus on the linguistic character of music as a symbol form, the source and nature of emotional experiences through music, the cultural and social contexts of music production and reception, and the normative question of how to evaluate musical products and performances. The course offers original insights into music, while teaching basic theoretical insights of linguistic, social-psychological, and cultural philosophy.

MUS5711: Bibliography

3

Description: Music Bibliography provides an extensive overview of the elements involved in conducting graduate-level research in the field of music. Students will become familiar with use of libraries and all their resources, including print, digital, and archival materials. Furthermore, they will learn to properly evaluate these items. This course will also cover how to prepare research for presentation, utilizing proper citations and appropriate style.

MUS5808: Body Mapping**1**

Description: This course teaches students to understand how the body moves and develop the necessary awareness to prevent pain and injury and promote freedom and ease when playing. It also teaches students how to incorporate the principles of Body Mapping into their training of other musicians.

MUS5930: Special Topics in Music**v. 1-3**

Prerequisite: Permission of instructor. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble.

Repeatability: This course may be repeated for 6 credits under different topics.

MUS6205: Lyric Diction**2**

Description: Lyric Diction is especially designed for singers to improve their linguistic abilities as required by the singing profession. Special attention is paid to proper pronunciation and fluency in reading French, German, and Italian language. This course is required for completion of the MM degree in in Voice Performance. This course consists of two one-hour classes per week. Learning will be assessed each week according to assigned homework, proficiency tests, and vocabulary quizzes. Each semester will culminate with a final exam graded by the supervising faculty.

MUS6901: Directed Individual Studies**v. 1-3**

Description: This course may be repeated for a maximum of 6 credits. Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble.

**MUS6960: Comprehensive Oral
Examination****0**

Description: The Graduate level Comprehensive Oral Exam is taken during the student's last semester in residence. This exam includes questions from the major field of study and some that are more comprehensive in nature (history, theory, style, analysis, literature) administered by the student's panel of graduate advisors. The student must be registered for this course (0 credit) during the semester in which the exam is taken.

MUT5316: Orchestration

3

Prerequisite: MUT 2117

Description: This course provides an intensive study of scoring techniques for the symphony orchestra and wind ensemble. Students will learn about the characteristics of string, woodwind, brass, and percussion instruments. They will analyze works from a wide range of stylistic and historical contexts, and they will be asked to arrange new and existing compositions for a variety of small and large ensembles.

MUT5426: 18th Century Counterpoint

3

Prerequisite: MUT2117

Description: This course provides an intensive study of the contrapuntal techniques found in music of the eighteenth century. Students will analyze works in a variety of genres that are characteristic of this stylistic era. They will be asked to complete assignments and write model compositions in which they emulate the contrapuntal techniques being studied.

MUT5566: Nineteenth-Century Chromatic

Harmony

3

Prerequisites: MUT2117

Description: This course is an intensive study of chromatic harmony and voice leading in music from the nineteenth and early-twentieth centuries. Students will analyze works in a variety of genres that are characteristic of this stylistic epoch. Also, students will write model compositions in which they emulate the harmonic techniques studied in this course.

MUT5575: 20th-Century Music Theory

3

Prerequisite: MUT 2117

Description: This course provides an intensive study of twentieth-century compositional techniques. Students will learn about concepts and methodologies that have been developed to explain the musical structures and processes characteristic of repertoire from this era. They will analyze works in a variety of genres and styles, and they will be asked to write original music in which they emulate the compositional techniques being studied.

MUT5613: Form and Analysis **3**

Prerequisite: MUT 2117

Description: This course provides an intensive study of Baroque, Classical, Romantic, and twentieth-century musical form. Students will analyze works in a variety of genres that are characteristic of these stylistic epochs, and they will learn about the concepts and methodologies that music scholars have developed to explain formal structures and processes.

MUT5666: Jazz Styles and Analysis I **3**

Description: This course is a study of jazz styles from the New Orleans era to the "Cool" era. Emphasis is placed on the analysis of transcribed solos as recorded by major jazz artists.

MUT5667: Jazz Styles and Analysis II **3**

Description: This course is a study of jazz styles from the Hard Bop era to the present. Emphasis is placed on the analysis of transcribed solos as recorded by major jazz artists.

MUT6355: Jazz Arranging III **3**

Description: This course is a study of advanced techniques employed by various successful jazz arrangers and composers. Special emphasis will be placed on writing for conventional and non-conventional jazz ensembles. Students will be assigned several arranging projects throughout the semester. The term concludes with a performance of each student's final arranging project.

MUT6761: Perspectives in Music Theory

3

Prerequisite: MUT 2117

Description: This course provides a systematic introduction to advanced music-theoretical concepts and methodologies. Students will learn about current and historical approaches to music theory and analysis, and will consider the relationship between music theory and other musical activities (e.g., performance and composition). Coursework will involve the close study of individual musical works from a wide range of stylistic and historical contexts, together with assigned readings from scholarly books and articles.

MVB6451: Applied Trumpet

2

Description: Four semesters of this course are required for trumpet majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVB6452: Applied French Horn

2

Description: Four semesters of this course are required for French horn majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVB6453: Applied Trombone

2

Description: Four semesters of this course are required for

trombone majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVB6454: Applied Euphonium

2

Description: Four semesters of this course are required for euphonium majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVB6455: Applied Tuba

2

Description: Four semesters of this course are required for tuba majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVB6650: Brass Pedagogy

3

Description: This course is designed to provide students with an advanced understanding of teaching and performance techniques for brass instruments. Students will be provided with pedagogical knowledge of private brass instrument teaching including student motivation, tone production, technique, articulations,

transpositions, and a survey of literature. Topics include the historical development of brass instruments, repertory and pedagogy, the study of pedagogical literature, and the proper performance practices for each historical period and genre studied.

MVJ6450: Applied Jazz Piano

2

Description: Four semesters of this course are required for jazz piano majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVJ6453: Applied Guitar

2

Description: Four semesters of this course are required for jazz guitar majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of one-on-one instruction per week, focusing on guitar technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at the end of each semester with a jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVJ6454: Applied Jazz Bass

2

Description: Four semesters of this course are required for jazz bass majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVJ6455: Applied Set Drums

2

Description: Four semesters of this course are required for jazz drum set majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVJ6456: Applied Jazz Saxophone

2

Description: Four semesters of this course are required for jazz saxophone majors seeking the Master of Music (M.M.) jazz performance degree. Students will study more advanced techniques of saxophone performance including but not limited to; altissimo, multiphonics and false fingerings. Harmonic and rhythmic concepts established by players such as John Coltrane, Joe Henderson, Sonny Rollins, Michael Brecker, Joe Lovano, Lee Konitz and others will be covered in depth. Students will be exposed to various approaches to practicing improvisation that will help them expand their harmonic and rhythmic vocabulary. Students at this level will also prepare for a culminating Senior Recital which will showcase their playing, composing, arranging and organizational skills. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVJ6457: Applied Jazz Trumpet

2

Description: Four semesters of this course are required for jazz trumpet majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each

semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVJ6458: Applied Jazz Trombone

2

Description: Four semesters of this course are required for jazz trombone majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVK5607: Pedagogy of Group Piano

3

Description: This course encompasses the methodology of group piano teaching and a survey of materials for beginning through intermediate study in group piano teaching. Class projects will include an evaluation of texts suitable for young beginners, adult classes, and college courses in group piano instruction. The focus will be on issues of pacing in classroom teaching, curriculum building, need for supplementary material, and technical aspects such as rhythm drills, keyboard theory activities, and the use of exercises and etudes.

MVK6451: Applied Piano

2

Description: Four semesters of Applied Piano are required for piano majors seeking the Master of Music (M.M) performance degree. This course consists of an hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVK6650: Seminar in Piano Pedagogy**3**

Description: This course presents the skills needed for teaching students other than traditional beginning piano students. The course will present a variety of special topics related to learning theory, non-traditional students, and the integration of technology into the piano studio. It will also include an examination of current issues, policies, and trends in the field.

MVK6755: Piano Studio Class**0**

Co-requisite: MVK6451 (Applied Piano)

Description: This weekly performance class provides participants with an opportunity to sharpen their performance skills and to practice performing in front of an audience of their peers and applied piano instructors. Students will observe and analyze performances, and will make suggestions to help improve subsequent performances. The course will also include, as time permits, an examination of famous and historic pianists, presentations related to career development, and masterclasses by visiting artists.

MVO6451: Graduate Recital**2**

Description: The Graduate Recital is presented as the culmination of four semesters of Applied lessons. The repertoire will be chosen by both the applied professor and the student. Selections will demonstrate a mastery of both technical skill and musical sophistication. The emphasis will be on the solo performer, though some additional musicians may be utilized. Program notes are required as a part of this final presentation and must be submitted and approved by the applied teacher prior to the final program publication. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 6 credits.

MVO6452: Graduate Chamber Recital**2**

Description: The Graduate Chamber Recital will be presented prior to the culmination of four semesters of Applied lessons. The recital will be of a collaborative nature involving other musicians. The concert will be a performance of representative chamber music literature that will be coached and rehearsed with the applied teacher. The repertoire performed will demonstrate developed technique and be of a high artistic value.

Repeatability: This course may be repeated for a maximum of 4 credits.

MVP6451: Applied Percussion

2

Description: Four semesters of this course are required for percussion majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVP6650: Percussion Pedagogy

3

Description: This course is designed to provide students with an advanced understanding of teaching and performance techniques for percussion instruments. Students will be provided with pedagogical knowledge of private percussion instrument teaching including student motivation, tone production, technique, articulations, transpositions, and a survey of literature. Topics include the historical development of percussion instruments, repertory and pedagogy, the study of pedagogical literature, and the proper performance practices for each historical period and genre studied.

MVS6451: Applied Violin

2

Description: Four semesters of Applied Violin are required for violin majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of one-on-one instruction

per week, focusing on violin technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at the end of each semester with a jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVS6452: Applied Viola

2

Description: Four semesters of Applied Viola are required for viola majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of one-on-one instruction per week, focusing on viola technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at the end of each semester with a jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVS6453: Applied Cello

2

Description: Four semesters of Applied Cello are required for cello majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of one on one instruction per week, focusing on cello technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at the end of each semester with a jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVS6454: Applied Bass

2

Description: Four semesters of Applied Bass are required for bass majors seeking the Master of Music (M.M.) performance degree. This class consists of one hour of one-on-one instruction per week, focusing on bass technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at the end of each semester with a jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVS6455: Applied Harp **2**

Description: This class consists of one hour of one-on-one instruction per week, focusing on harp technique and repertoire. Learning is assessed each week through musical performance of assigned materials, and at the end of each semester with a jury examination performed for a faculty panel. This course may be repeated for a maximum of 12 credits.

MVS6551: Violin Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for violin. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fit into the orchestral composition.

MVS6552: Viola Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for viola. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fit into the orchestral composition.

MVS6553: Cello Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for cello. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fit into the orchestral composition.

MVS6554: Bass Orchestra Repertory **2**

Description: This class focuses on the most challenging orchestral excerpts for bass. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context

of how the excerpt fit into the orchestral composition.

MVS6555: Harp Orchestra Repertory

1

Description: This class focuses on the most challenging orchestral excerpts for harp. Each excerpt will be discussed and performed, addressing the technical demands as well as the broader context of how the excerpt fits into the orchestral composition. May be repeated for a maximum of 2 credits.

MVS6653: Advanced Violin and Viola

Pedagogy

3

Description: One semester of Advanced Violin and Viola String Pedagogy is required for violin and viola majors seeking the Master of Music (M.M.) performance degree. This class consists of two and a half hours of instruction per week, focusing on violin and viola technique, teaching and applying concepts to repertoire. Learning is assessed each week through the student's ability to state their knowledge on the subject matter and their progression in their ability to teach technical concepts related to string playing. Other requirements such as presentations or papers will also be part of this class.

Repeatability: This course may be repeated for a maximum of 6 credits.

MVS6654: Advanced Cello and Bass

Pedagogy

3

Description: One semester of Advanced Cello and Bass Pedagogy is required for cello and bass majors seeking the Master of Music (M.M.) performance degree. This class consists of two and a half hours of instruction per week, focusing on cello and bass technique, teaching and applying concepts to repertoire. Learning is assessed each week through the student's ability to state their knowledge on the subject matter and their progression in their ability to teach technical concepts related to string playing. Other requirements such as presentations or papers will also be part of this class.

Repeatability: This course may be repeated for a maximum of 6 credits.

MVS6655: Advanced Harp Pedagogy **3**

Descriptions: This class consists of two and a half hours of instruction per week, focusing on harp technique, teaching and applying concepts to repertoire. Learning is assessed each week through the student's ability to state their knowledge on the subject matter and their progression in their ability to teach technical concepts related to harp playing. Other requirements such as presentations or papers will also be part of this class. This course may be repeated for a maximum of 6 credits.

MVS6976: Graduate String Recital **1**

Description: This course tracks the mandatory solo recital requirement for the Master of Music in Performance degree. Music majors in the M.M. Performance program are required to present a minimum of one solo recital.

Repeatability: This course may be repeated for a maximum of 2 credits.

MVS6977: Graduate String Chamber Recital **1**

Description: This course satisfies the chamber recital requirement for the Master of Music in Performance degree with a concentration in Strings. String majors are required to present a minimum of one chamber recital.

Repeatability: This course may be repeated for a maximum of 2 credits.

MVV6451: Applied Voice **2**

Description: Four semesters of Applied Voice are required for voice majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of on-on-one instruction per week. Learning will be assessed each week through musical

performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Permission of the instructor is required.

Repeatability: This course may be repeated for up to 12 credits.

MVV6651: Vocal Pedagogy

2

Description: Vocal Pedagogy is especially designed for singers to improve their understanding of the anatomy, physiology and function of the singing voice. This course provides a comprehensive overview of the concepts and methodologies of modern and historical vocal pedagogy. Vocal Pedagogy is required for completion of the MM degree in Voice Performance. This course consists of two 50-minute classes per week. Learning will be assessed each week through assigned homework, written exams, and course projects. Each semester will culminate with a final examination graded by the supervising faculty.

MVV6976: Graduate Voice Recital

1

Description: This course consists of preparation and performance of one full solo voice recital to be performed at the end of the year of study. Preparation for the recital will take place each week during Applied Voice Lessons, and it will be assessed according to performance of assigned repertoire. Each recital will be performed live and graded by a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 2 credits.

MVW6451: Applied Flute

2

Description: Four semesters of this course are required for flute majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12

credits.

MVW6452: Applied Oboe

2

Description: Four semesters of this course are required for oboe majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVW6453: Applied Clarinet

2

Description: Four semesters of this course are required for clarinet majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel.

Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVW6454: Applied Bassoon

2

Description: Four semesters of this course are required for bassoon majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVW6455: Applied Saxophone

2

Description: Four semesters of this course are required for saxophone majors seeking the Master of Music (M.M) performance degree. This course consists of one hour of one-on-one instruction per week. Learning will be assessed each week through musical performance of assigned repertoire. Each semester will culminate with a final jury examination performed for a faculty panel. Permission of the instructor is required.

Repeatability: This course may be repeated for a maximum of 12 credits.

MVW6650: Woodwind Pedagogy

3

Description: This course is designed to provide students with an advanced understanding of teaching and performance techniques for woodwind instruments. Students will be provided with pedagogical knowledge of private woodwind instrument teaching including student motivation, tone production, technique, articulations, transpositions, and a survey of literature. Topics include the historical development of woodwind instruments, repertory and pedagogy, the study of pedagogical literature, and the proper performance practices for each historical period and genre studied.

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Graduate Courses

Communication

ADV5408: Strategic Branding

3

The primary objective of the course is to provide students with a comprehensive analysis of branding, brand equity and strategic brand management. The course will explore the design and implementation of marketing programs to build, measure and manage brand equity. Students will be exposed to tools and strategies designed to create a strategic competitive advantage in the marketplace.

COM5046: Interpersonal Communication

3

Description: This course will introduce theories regarding the role of dyadic interaction in both personal and professional contexts. Topics include relational development, perception, self-concept, listening, language, nonverbal communication, culture, emotions, and conflict.

COM5126: Organizational Communication

3

Description: This course examines the characteristics of, and dynamic relationships among, individual, interpersonal and group behavior as related to complex media-related organizations. Stress is placed on successful managerial strategies for minimizing workplace turbulence arising from employee behavior in the context of technological, structural, cultural and environmental factors. Management practices are viewed as metaphorical processes allowing the managers to understand the genetics of the organization with diversity and key competencies allowing for a new paradigm of management.

COM5226: Theory and Research Methods in Health Communication

3

Description: This course will focus on theory and research methods in interpersonal, small group, and organizational communication in health contexts. Students will become familiar with theory relating to health communication; examine various research methods used in health communication research; and will demonstrate proficiency with theory by analyzing various health communication studies.

Availability: One semester per year.

COM5348: Interviewing: Theories and Methods

3

Description: This course examines the research and methods of interviewing, including employment interviewing, journalistic interviewing, and focus group and oral history interviewing. Students will explore the theories of interviewing from both an employer's and an employee's perspective, as well as that of a broadcaster, a news reporter, and an academic. In addition, students will learn theories of the role of the interviewee. This course emphasizes researching and applying interviewing theory.

Availability: One semester per year.

COM5445: Small Group Communication

3

Description: This course will introduce theories regarding the interaction of individuals in groups, and techniques of discussion applied to goal-oriented small group situations. Assignments and activities will increase understanding of communication in groups encountered in both personal and professional contexts. Topics considered include systems theory, decision-making, problem solving, leadership, power and status, parliamentary procedure, and group development. This course includes consideration of research methods, leadership, and conflict resolution applied to active community based learning as well as classroom learning activities.

Availability: One semester per year.

COM5627: Lying and Deception

3

Description: This course examines lying and deception as

strategic and manipulative behavior. Topics include the nature of truth, communication ethics, nonhuman deception, children's use of deception, self-deception, pathological liars, con artists, imposters, and lie detection. Several contexts of deception (advertising, art, journalism, politics, relationships, etc.) will be explored.

Availability: One semester per year.

COM5705: Listening

3

Description: This course explains the ins and outs of what good listening skills consist of, why they are important and how to improve them. The course helps you provides basic skills of listening, barriers to listening, listening habits, body language, and activities to improve listening habits.

Availability: One semester per year.

MMC5267: Current Issues in Emerging Media

3

Description: As the way we communicate and consume media has changed, so have the principles of the media industry. Emerging media offers a variety of ways to deliver messages such as blogs, wikis, social media, new formats of ads such as display ads, video ads, search engines, etc. This course is designed 1) to provide students with a good understanding of various new communication technologies and how they are incorporated into online communication process. In addition to communication implications, this course provides the critical perspective of new media technologies.

Availability: One semester per year.

MMC5419: Political Advertising

3

Description: In this course, students examine the works of those who produce, cover and consume political advertising. Through course readings and written assignments, class discussion, and viewing political ads produced over the past 50 years, students will recognize many media strategies used to package candidates.

Availability: Every other year.

MMC5738: Strategic Social Media

3

Description: This course prepares students with industry-standard skills and techniques to utilize a variety of new and social media platforms for organizational purposes. Exploring professional uses of social media across a variety of industries, students examine the strategy and outcomes associated with digital content management, campaign planning, consumer engagement and interaction, social listening, online brand and reputation management, ethics and governance. Using historical milestones, case studies, emerging theories, and best practices students come to recognize and understand the innovative and ever-evolving nature of the contemporary new media landscape in applied and pragmatic contexts.

MMC5946: Internship in Communication

Management

3

Description: Students choosing to undertake a communication management-focused internship/job shadowing experience will successfully complete their experience and submit an essay reflecting upon the experience to a faculty supervisor.

MMC6006: Strategic Communication

Theory

3

Description: This course introduces the principles and the practice of strategic communications as it applies to the practice of public relations, advertising, marketing, and organizational communication in an increasingly multicultural/diverse/multinational environment. It is designed from a professional perspective and utilizes real-world examples/cases. Experienced communication professionals/managers will gain key insights in the identification of target publics/markets, or problem or opportunities through the use of relevant research databases.

MMC6206: Ethics in Communication

Management

3

Description: This course introduces the application of ethical principles and decision-making in communication management. Students study both philosophical and practical ethical questions related to communication management.

Availability: One semester per year.

MMC6256: Foundations of Communication

Management

3

Description: This course examines the development of communication models, relationships between models and research, functions of models and their impact on human communication in various media. This course also examines analytics and ways to measure outcomes in a digital world.

MMC6421: Quantitative Research Methods

in Mass Communication

3

Prerequisite: Undergraduate statistics course or equivalent

Description: This course introduces basic quantitative research designs, foundational mathematics of statistics, and basic statistical methods. This course focuses on principal concepts of the quantitative analysis in the literature. The course also addresses mixed method designs. The course will help communication managers and others use valid and appropriate qualitative research methods in their professional communication practice and decision-making.

Availability: One semester per year.

MMC6426: Qualitative Research Methods in

Mass Communication

3

Description: The course examines a wide range of qualitative research methods used in mass communication in general, communication management in particular. It provides a comprehensive overview of research design, data collection, data analysis, and research report writing associated with qualitative

research. The methods covered in the course include, but are not limited to, in-depth interviews, focus groups, case studies, textual/discourse analysis, historical analysis, field observation, and ethnography. The course also addresses mixed method designs. Ultimately, the course will help communication managers and others use valid and appropriate qualitative research methods in their professional communication practice and decision-making.
Availability: One semester per year.

MMC6730: Social Media Management **3**

Description: This course is designed to provide students with a fundamental understanding of social media and how they are incorporated into the online marketing communication process. This course also provides students with opportunities to apply tools and technologies in creation and dissemination of messages via social media.

MMC6971: Thesis/Applied Research Project **3**

Prerequisite: Permission of the M.S. in Communication Management graduate director.

Description: In this course, students will complete either an academic thesis or a professional research project under the supervision of a faculty advisor and committee. Students will take this course twice to reach the required 6 credit hours of thesis/applied research project needed to graduate with M.S. in Communication Management.

RTV5801: Media Management **3**

Description: Students will learn the management techniques of various aspects of the broadcast industry by studying business structures and practices of radio and television operations in different markets.

Availability: One semester per year.

SPC5545: Theories of Persuasion **3**

Description: The primary goal of this course is to provide students with a solid grounding in theories, principles, and strategies of social influence as they apply to everyday contexts in which influence attempts to take place. Students should gain familiarity with findings from empirical investigations on persuasion, social influence, and compliance gaining, and will learn about strategies and techniques of persuasion relation to a wide variety of real-life communication contexts, situations, and settings.

Availability: One semester per year.

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Graduate Courses

Philosophy & Religious Studies

PHI5605: Ethics

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. Ethics considers questions such as "How should I live?" and "How do I decide the right thing to do and why should I do it?" This course deals with those questions in the areas of moral metaphysics, meta-ethics and normative theories of moral conduct which come from the history of philosophy back to the time of Plato and Aristotle. Other theorists to be discussed include Immanuel Kant and John Stuart Mill, and may include figures such as Thomas Hobbes, David Hume, as well as contemporary theorists.

PHI5627: Ethics of Sex and Gender

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course will explore ethical dimensions of sex and gender and the gendered dimensions of ethical thought and practice. We will ask whether women and men approach moral problems differently and whether women's traditional concerns, such as child care, can enhance ethical theory. We will also consider how "feminist ethics" has been altered by the perspectives of women in different social locations. We also address practical ethical issues related to sex and gender, such as reproductive technologies, prostitution, and militarism. We will explore each of these topics from a variety of both masculine and feminine perspectives.

PHI5628: Business Ethics

3

Prerequisite: Admittance to the MA program in Practical Philosophy and Applied Ethics. This course examines the theoretical foundations of business ethics as well as various ethical issues which arise on personal, corporate, national and

global levels in the business world. The course will include: an examination of a philosophical context for business ethics; and exploration of relevant ethical and social-political theories; consideration and discussion of real-world business ethical issues. Readings and lectures will be complemented by class discussion and an ongoing focus on case studies.

PHI5675: Moral Conflict

3

Prerequisite: Admission to the MA in practical philosophy and applied ethics or admission to the grad certif. in applied ethics or permission of the philosophy grad coordinator This course will examine both the philosophical and practical issues raised by (apparent) fact that values can come into conflict. We will examine potential tensions both within morality (between liberty and equality for instance) and between morality and other evaluative concerns (such as self-interest). Question to be considered include: do moral values necessarily harmonize with one another? Might the idea of all good things co-existing be conceptually incoherent? If one comes to think that moral values are inevitably in tension with one another, what philosophical and practical upshot should this have? How much, if at all, can moral theory help in resolving moral dilemmas? Does liberalism, as some have argued, embody the best form of socio-political response to the plural and conflicting nature of value?

PHI5677: Ethical Issues in Public Health

3

This course introduces students to moral issues in public health. Students will learn to recognize relevant moral issues and analyze them in light of basic ethical principles. Topics to be covered may include allocation of scarce health care resources, public vs. private health care funding, access to care, ethics and infectious disease control (STDs, HIV, TB), public health genetics (screening programs and individual testing/counseling), and research ethics in public health (e.g. experimenting on uninformed populations). Case analysis and group discussion will be emphasized.

PHI5934: Selected Topics

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator.

Description: This course addresses variable topics in practical philosophy and applied ethics.

Repeatability: This course may be repeated for up to 9 credits.

PHI6225: Philosophy of Language

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics or Admission to the Graduate Certificate in Applied Ethics or permission of the Philosophy Graduate Coordinator. The course explores the lasting significance of the linguistics turn in philosophy, including its different philosophical perspectives in analytic philosophy, speech act theory, semiotics and poststructuralism, and philosophical hermeneutics. Central questions include: What is the role of language for human consciousness and experience? How is linguistic meaning constituted, and what are its essential components? What is the basic structure of language, and how does it affect our access to reality? What is the relation between language and truth? What is the role of language and linguistic meaning for the constitution of culture, society, and politics? The course clarifies concepts like consciousness, meaning, reflexivity, truth, reference, normativity, and social practices through the philosophy of language. The course's approach to language is highly relevant for central issues in the graduate program concerning practical philosophy, including intercultural values and norms, the relation between moral agency and social contexts, and the normative grounds of a critique of power. Graduate students will be required to demonstrate graduate-level proficiency in research.

PHI6425: Philosophy of the Social

Sciences

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course is an examination of the nature, foundations, and aims of the social sciences. Attention is given to differing accounts of human action, the nature of social explanation, the structure of comparative social analysis, and the conditions for societal evaluation. Special consideration is given to the relationship of the social sciences to the humanities and the natural sciences.

PHI6769: Ethics, Religion and Global**Discourse****3**

Description: In this course students will examine intersections and interactions between ethics, religion, and global discourse. The course will explore a variety of theoretical approaches for studying ethical perspectives and practices and the role of religions within global communities.

PHI6907: Directed Independent Study**3**

Prerequisite: Graduate Status; permission of instructor, graduate coordinator, and department chairperson. This course is an investigation of a topic in philosophy at the advanced level. The course may be repeated for 6 credits under different topics.

PHI6937: Proseminar I: Themes and**Methods in Practical Philosophy****3**

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course establishes conceptual links between social knowledge and its ethical application. Goals include a solid grounding in the most advanced moral, social, political, and cultural philosophies, with emphasis on relating general theoretical insights to concrete ethical issues and framing pressing practical problems in both a normative and a holistic manner.

PHI6938: Proseminar II: Themes and**Methods in Applied Ethics****3**

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course offers an advanced study of the methods of applying ethical theory to range of actual issues encountered in the professions, such as physician assisted suicide, cloning, health care reform, human subject research, faith-based initiatives, and corporate responsibility. It addresses the normative dimension of applied ethics and the cognitive unity of applied

ethics as a field.

PHI6942: Internship in Applied Ethics

v. 1-9

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics or admission to the Graduate Certificate in Applied Ethics or permission of the Philosophy Graduate Coordinator.

Description: This course focuses on: (1) documented hours of work experience with ethics committees, compliance boards, or other appropriate opportunities; (2) a written report of the problems encountered and the solutions offered, with particular emphasis on the student's contributions; and (3) an oral defense of the report before a departmental committee.

Repeatability: This course may be repeated up to 15 credits with permission of the graduate coordinator.

PHI6951: Portfolio Preparation

v. 1-3

Prerequisite: Admission to the M.A. in Practical Philosophy and Applied Ethics or permission of the Philosophy Graduate Coordinator

Description: A student in this course will be expected to (1) assemble a portfolio of course papers composed during his or her tenure in the MA program; (2) prepare a portfolio essay addressing themes common to the portfolio papers; and (3) participate in an oral defense of the portfolio and portfolio essay before a departmental committee. All work will be conducted under the supervision of a portfolio advisor.

Repeatability: This course may be repeated for up to 9 credits with permission of the graduate coordinator.

PHI6971: Thesis

v. 1-9

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics or admission to the Graduate Certificate in Applied Ethics or permission of the Philosophy Graduate Coordinator.

Description: This course focuses on research and writing. It may be repeated for up to 15 credit hours with permission from the graduate coordinator.

PHM5365: Philosophy of Democracy

3

Prerequisite: Admission to the MA in Practical Philosophy and

Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course is a philosophical exploration of the nature of democracy. Principal consideration is given to ancient Greek, classical modern and contemporary accounts of democratic theory. Themes in democratic theory are also examined as they pertain to notions such as constitutionalism, group representation, worker self management, media politics, multiculturalism, feminism, and globalism.

PHM5366: Global Justice

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics or Admission to the Graduate Certificate in Applied Ethics or permission of the Philosophy Graduate Coordinator This course examines the phenomenon of globalization from a moral and ethical perspective. Questions include the following: What are universal human rights and how are they compatible with the diversity of cultural practices and traditions worldwide? What duties do we have to the global environment? What obligations, if any, do members of affluent countries have to address world hunger and poverty? What are the forms of governance appropriate to a globalized world? Is humanitarian military intervention in the internal affair of another country justifiable? Should we understand ourselves first and foremost as citizens of the world or as members of bounded communities? Students in this graduate section will have special writing, reading, and presentation assignments; they will also participate in special session with the instructor.

PHM6345: Contemporary Political

Philosophy

3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course examines main trends in recent and current political philosophy. Emphasis is on contemporary philosophical treatments of concepts like rights, liberty, justice, equality, democracy, power, the state, and the political itself. These concepts are explored while examining (a) new theoretical developments like communitarianism, feminism, poststructuralism, hermeneutics, discourse and difference theory, and (b) current

reformulations of such classical positions as utilitarianism, liberalism, socialism, and republicanism.

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Graduate Courses

Criminology & Criminal Justice

CCJ5066: Poverty and Crime

3

Description: This course explores the relationship between poverty and crime, particularly in terms of theory and research about social class inequalities and contexts that enable criminogenic conditions. Public discourse about socio-economically marginal groups, the role this discourse plays in politics and policy creation about crime, and the effects on those in poverty will be examined.

CCJ5079: Crime Mapping

3

Description: This course introduces students to the use of Geographic Information Systems in the criminal justice system. Specifically, students will examine how theory and technology can be applied to analyze crime patterns, guide the deployment of police officers, and inform offender reentry efforts. The class will teach students to assess and/or conduct research using the appropriate qualitative and quantitative research designs on researchable topics.

CCJ5346: Crisis Intervention and Collective Behavior

3

An overview of various crisis intervention techniques applicable to criminal justice personnel. Also, an analysis of crowds and collective behavior phenomena, and methods for managing such situations. Includes role-playing.

CCJ5456: Criminal Justice Administration Theory and Practice

3

Study of organization, communication, and motivation theories and their operational implications as they pertain to the structure and function of criminal justice entities. Includes an analysis of

selected real or hypothetical cases from the criminal justice system and problem-solving exercises.

CCJ5475: Criminal Justice Planning and Evaluation

3

Prerequisite: CCJ 6706. Examination of research design and execution of issues and techniques specific to components of the criminal justice system. Students prepare and present progressively more comprehensive treatment of selected actual and hypothetical cases.

CCJ5646: Organized Crime

3

This course explores criminality undertaken by groups of individuals strategically associated for the purpose of criminal activity. It is designed to introduce students to an understanding of what organized crime is, its history, evolution, and the criminal enterprises that make up organized crime. Attention is given to the cooperation between the government and organized crime as well as the legal response to this form of criminal activity. Theoretical explanations of organized crime are explored as well as the interplay between organized crime, terrorism, international crime, and technology.

CCJ5652: Drugs, Crime and Society

3

Description: This course will explore criminalization of psychoactive chemicals in the US from 1850 to the present day. Primary focus will be on contemporary drug usage and the attempts to control substance abuse and the consequences for both individuals and society of criminalizing drug use. Illicit drug markets and the effectiveness of prohibition and "wars on drugs" will also be explored.

CCJ5665: Victimology

3

The study of victims of crimes of property and violence. The relationships between offender and victim, patterns of victim response and methods of victim assistance will be included.

CCJ5668: Elite Crime 3

The etiology, nature, and proposed solutions to the crimes committed by individuals and/or organizations with a preponderance of wealth, status, and/or power. Crimes in large corporations, government, and various dimensions of organized criminal activity will be considered.

CCJ5692: Women and Crime 3

Prerequisite: CJL 4310 This course focuses on an analysis of the roles and experiences of women as victims, criminal offenders, prisoners, and professional in relationship to the criminal justice system. Particular emphasis is placed on the gendered nature of crime and social control. Questions regarding the validity of criminological theory to explaining women's involvement in crime are also discussed

CCJ5743: Graduate Supervised Research Experience in Criminal Justice 3

Prerequisite: Permission of the Department Under the direction of faculty students will explore all elements of criminal justice research, including initial planning and preparation, the literature review, data collection, analysis, interpretation of the findings, and report writing. Students will also learn, first hand, the procedures for developing scholarly research for publication. May be repeated once for a maximum of 6 credit hours.

CCJ5930: Issues in Modern Criminal Justice 3

This course is an in-depth focus upon major concerns in contemporary American justice. Specific areas of student will include technology, political pressures, and internal management problems.

CCJ5934: Special Topics in Criminal Justice 3

Prerequisite: Permission of instructor. Forum for special courses for graduate students, focusing upon topics and issues not normally addressed in the general curriculum. May be repeated

for a maximum of 9 credits under different topics.

CCJ6050: Criminal Justice Systems **3**

Prerequisite: Admission to the program. This course examines the philosophical, legal, and contemporary operation of the criminal justice system in the American Democracy. Particular emphasis is placed on the tension between Due Process and Crime Control; the differences between policy and practice; and the interaction between the actors of the system and the community. The course also explores the effectiveness of the American Criminal Justice System and profiles inmate populations.

CCJ6059: Advanced Criminological Theory **3**

Prerequisite: Admission to program. In-depth consideration of biological, psychological, and sociological theories of criminal behavior. Sociological, economical and political theories of law formation and law-breaking from historical and contemporary perspectives also are considered.

CCJ6309: History and Philosophy of Corrections **3**

Description: An in-depth analysis in the history of social responses to deviance and crime and their underlying philosophical bases. Includes exploration of ancient and traditional punishments, the penitentiary and reformatory movement in the U.S., and analysis of current philosophical movements which affect modern practices.

CCJ6457: Administration of Justice **3**

Description: This course covers contemporary concepts, principles and theories of organization and administration as they relate to criminal justice agencies. The historical development and modern practices of policy administration are also considered. Significant attention will be placed on understanding the theories of administration. The emphasis of this course will be the application of administrative theory to criminal justice

organizations and contexts. Areas of theoretical discourse covered will include classical/neo-classical, principles of administration, human resources, systems, cultural reform, and sense-making. Additional readings will provide examples of the application of administrative theories to criminal justice organizations and contexts.

Availability: One semester per year.

CCJ6639: Issues in Social and Criminal Justice

3

Description: This graduate seminar explores sources of inequality in the application of criminal law, including concerns about disparities in the social class, race, and gender status both in prosecution of crimes and ultimately incarceration. How multiple and overlapping sources of inequality (â€œintersectionsâ€) operate simultaneously against particular groupings of citizens is explored. Sources of power, social control and inequality are examined in relation to the broader application of criminal law, punishment, and victimization.

CCJ6705: Advanced Methods of Criminological Research

3

Prerequisite: Admission to the program. Research design, data collection, analysis, and interpretation of data pertaining to criminological research. Advanced techniques in such methods as survey research, content analysis, and participant observation are explored.

CCJ6706: Quantitative Research Methods

3

Prerequisites: Admission to the program and completion of an undergraduate methods or statistical course CCJ 6705 This course introduces graduate students to quantitative social science research and its applications to the field of criminology and criminal justice. This course examines techniques used in research, discusses how to design and conduct research projects, and how to analyze the results of such projects utilizing advanced computer statistical analysis software.

CCJ6709: Qualitative Research Methods **3**

Prerequisite: Admission to the Program, CCJ 6705. This course introduces students to methods used in field studies including participation, observation and interviewing. The course involves a directed field experience and intense instruction in the collection and analysis of qualitative data. Students will be expected to produce an empirical paper at the conclusion of the course.

CCJ6906: Directed Independent Study **v. 1-4**

Prerequisite: Permission of instructor. Independent study of a narrow issue or topic in criminal justice, directed by a faculty member specializing in that issue or topic. May be repeated for a maximum of 12 credits under different topics.

CCJ6944: Graduate Supervised Teaching Experience in Criminal Justice **v. 3-6**

Prerequisite: Permission of the Department. Under the direction of faculty, the student participates in the planning, research, preparation, presentation, and examination aspects of the conduct of a section of an undergraduate criminal justice course. The student assumes progressively greater responsibility in each area. May be repeated for a maximum of 12 credits under different topics.

CCJ6946: Graduate Practicum in Criminal Justice **v. 3-6**

Prerequisite: Permission of the Department. A planned program of experience in a criminal justice agency. The student functions under the direction of agency personnel in a role analogous to that of an agency employee. Periodic meetings with supervising faculty facilitate preparation of a written report demonstrating the student's synthesis of theory and practice. May be repeated twice for a maximum of 6 credits under different topics.

CCJ6974: Thesis/Demonstration Project **v. 3-6**

Prerequisite: Permission of the Department. Under the direction of the faculty, the student designs and presents a project of his or her own conception which involves the completion of field

research, the execution of a demonstration program or system, or a completed proposal of comparable quality and magnitude. May be repeated twice for a maximum of 6 credits under different topics.

CJC5135: Prisons and Jails

3

Description: The purpose of this course is to expose students to a variety of perspectives about the functions of the largest and most expensive component of the United States criminal justice system – prisons and jails. This course will examine the philosophical, technological, and managerial influences on contemporary criminal justice institutions. This course will also address the growth in the number of inmates and number of institutions, the expense of operating a correctional system, challenges faced by correctional staff, and the incarceration experience of inmates.

CJC5165: Community Corrections and Offender Reentry

3

Description: This graduate course offers an in-depth look at corrections in the community (e.g., probation, parole, electronic monitoring, work release, halfway houses, day reporting centers). The evolution of community corrections, the financial and social costs of managing offenders in the community, the overall effectiveness of community-based programs, and the emphasis on offender reentry efforts will be discussed.

CJC5420: Counseling Applications in Criminal Justice

3

The exploration of how individual and group counseling strategies and techniques can be applied in situations particular to criminal justice; analysis of factors common to criminal justice settings which may affect counseling effectiveness.

CJC5425: Methods of Offender Treatment

3

Description: This course examines “what works” and what

â€œdoesnâ€™t workâ€ in treating offenders. Special attention is given to the principles of effective intervention, offender assessment, theory, and evidence-based practices. Institutional and community-based treatment, programs appropriate for use with special populations, and the importance of rehabilitation to the correctional system and to society will be discussed.

CJC5520: Punishment and Society

3

Description: The course explores the social roles of punishment, including both instrumental and expressive functions served by both formal and collateral punishments. The broader link between punishment and political order will be explored, particularly the role of punishment in the production state legitimacy. The dynamics of mass incarceration and the evolution of punishment philosophies will also be explored.

CJE5121: Homeland Security and Criminal Justice

3

Description: This course examines the history, logic, strategies and tactics of terrorism from a domestic law enforcement perspective, including an overview of weapons of mass destruction. Global, national and local counter-terrorism efforts will be explored, as well as the impact both terrorist acts and our responses have had on the way we view the world and each other.

CJE5320: Police Administration

3

Description: This course will focus on the law enforcement agency from the standpoint of top and middle management, including (but not limited to) labor relations, personnel management, fiscal administration, and the integration of internal and external operations. Students will draw from organizational theory and police policy research to explore the future of policing, news media relations, leadership, negotiating skills, problematic employees, performance evaluations, community policing, and counter-terrorism.

CJE5428: Critical Issues in Community

Policing

3

Description: This course begins with providing an overview of community-oriented policing and its major components. More specifically, students will explore the concepts of theory, problem-solving, police-community relationships, crime control, and patrol operations. This course will conclude with an examination of empirical research focused on community policing policies and strategies.

CJE6209: Law, Deviance, and Social

Control

3

Prerequisite: Admission to the program. This course examines the social processes by which human behavior or characteristics get banned as deviant/criminal, how societies use social control processes to deal with deviance, and how deviants respond to social control efforts and attempt to manage their deviant/criminal identities. The special role of making law in the banning of unwanted behavior or characteristics, and in the control efforts aimed at deviants who subsequently violate the rules, will be examined. Specific analysis of the role of formal and informal social control will be undertaken.

CJE6268: Minorities and Crime

3

This course provides an overview of the role of race, social class, and ethnicity in the American criminal justice system. It examines the historical impact that the criminal justice system has had on minorities in this country, as well as the role that crime (primarily felony crime) has played in the lives of various minorities within American society. Emphasis will also be placed on both offense and victimization patterns within black and Hispanic communities.

CJE6329: Police Effectiveness

3

Description: This course examines criteria by which the effectiveness of police can be assessed, and critically reviews empirical studies of police practice and functions. Students will examine key research findings across police operations such as

community policing, patrol, use of force, domestic violence, counter-terrorism, and preparedness. Policy-oriented research and contemporary police innovations will be the principal emphasis of this course.

CJJ5586: Working with Juveniles and Youthful Offenders

3

An overview of intervention techniques and treatment methods particularly applicable for use with juvenile delinquents, runaways, neglected or abused children and youthful offenders.

CJL5025: Women, Justice and the Law

3

Description: This course focuses on past and present justice issues and their legal history in order to come to an understanding of how the position of women in American society has changed over time. An examination of discriminatory practices and laws and the kinds of criminal justice remedies and recourse that have occurred will be incorporated. In this graduate seminar students will also research court cases relevant to the landmark changes for women in the law.

CJL5120: Criminal Law and Procedure in the Criminal Justice System

3

Prerequisites: Senior Standing or higher. This a course for entering MSCJ students requiring familiarity with criminal law, criminal procedure, and the components of the criminal justice system. These topics are studied by tracking actual or hypothetical criminal cases from the commission through the conclusion of the correctional process.

CJL6020: Prosecution and Defense Procedure

3

Description: This course examines the operations and procedures of prosecution and defense attorneys. Prosecutorial discretion, the use of plea bargaining negotiations and the process of building a case and going to trial will be examined. The influence of factors

like caseload size, differences in police operations, determinate sentencing, budget and jail costs, available social services for case diversion, defendant and victim characteristics, and political and re-election agendas on the operations and use of discretion of prosecutors will also be reviewed.

CJL6026: Issues in Law and Justice

Process

3

Description: This graduate seminar explores the many aspects of law and justice and how they fit into the larger American legal system. As a fluid entity, the law can be both responsive to public discourse and slow to adapt to contemporary problems. Due process, the courtroom work group, application of the criminal law, and processing of criminal cases as part of a larger construct that both shapes and is shaped by structural forces (i.e. poverty, structural racism, sexism).

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Graduate Courses

Physics

EMA5104: Advanced Materials Principles I **3**

Prerequisites: Acceptance into the MS program in Materials Science and Engineering or permission of instructor

Description: This course covers the structure of materials from the atomic to the microstructural level, and the relationship of structure to the thermal, mechanical, electrical, optical, and magnetic behavior of materials. Fundamental thermodynamics, kinetics, and phase stability are presented.

EMA5114: Advanced Materials Principles II **3**

Prerequisites: EMA5104 Advanced Materials Principles I

Description: Specific classes of materials including metals, polymers, ceramics, semiconductors, and composites are examined with respect to their structure-processing-property relationships and unique engineering applications. Special emphasis will be placed on high-performance materials, emerging processing methods, and high-tech applications.

EMA5504: Materials Characterization **3**

Prerequisites: Acceptance into the MS program in Materials Science and Engineering or permission of instructor

Description: Methods for the assessment of chemical composition and atomic level structures are presented. Theory of photon and electron probe production and sample interaction are explored in depth. Topics include scanning probe microscopies, optical microscopies, electron microscopy, x-ray fluoroscopy and tomography, diffraction, and spectroscopic methods.

EMA5814: Modeling and Simulation of Materials **3**

Prerequisites: Acceptance into the MS program in Materials Science and Engineering or permission of instructor

Description: This course introduces the general computing and

programming skills that are necessary to perform numerical computations and simulations in materials science and engineering. This includes an introduction to simulation methods for continua including finite differences and finite elements, as well as probabilistic approaches such as the Monte Carlo method. Also covered are techniques for simulating material properties based on atomistic structure such as density functional theory and molecular dynamics.

EMA6971: Graduate Thesis Research

v. 1-9

Prerequisites: Acceptance into the MS program in Materials Science and Engineering

Description: Students must complete a total of 17 credit hours of Graduate Thesis Research in partial fulfillment of the requirements for the MS degree in Materials Science and Engineering. Students will conduct directed independent research under the advisement of their graduate advisor and thesis committee.

EMA6973: Graduate Thesis Defense

1

Prerequisites: Permission of instructor

Description: Students in the MS program in Materials Science and Engineering must take this course in their final semester in the program in partial fulfillment of the requirements for the MS degree in Materials Science and Engineering. Students must complete the written portion of their thesis and provide a public oral defense.

Graduate Courses

English

AML6506: Studies in Early American Literature

3

Description: This course covers selected themes and topics in American Literature before 1864.

Repeatability: This course may be repeated up to 15 credit hours.

AML6507: Studies in Later American Literature

3

Description: This course will cover selected themes and topics in American literature after 1864.

Repeatability: This course may be repeated up to 15 credit hours.

CRW6925: Graduate Creative Writing Workshop

v. 3-9

Prerequisite: graduate standing.

Repeatability: This course is repeatable 3 times.

Description: The graduate creative writing workshop can help students become more successful creative writers. Students will learn to master the fundamentals of what a story or poem is and how it's put together. They will consider various approaches to prewriting, revising, editing and publication so as to identify and apply methods that best reflect their own artistic character.

Students will prepare a final portfolio of 25-30 pages of prose or 15-20 pages of poetry.

ENC5226: Technical Writing

3

Description: This course is one of the courses in the Rhetoric and Composition concentration within the M.A. in English. This course is a graduate course that prepares students for the types of writing

found in professional and research settings. Rather than mere information transfer, technical writing translates and mediates highly complex details, often for far less expert audiences.

ENC5235: Grant Writing

3

Description: This course offers students training in writing grants for nonprofit organizations, research, and community-based projects. Students will identify the research and communication skills necessary to write a successful grant. Students will compose and submit grants for funding after researching organizational needs, interviewing grant writers, and targeting their intended audience.

ENC5706: Style as Substance

3

Description: This course is one of the courses in the Composition and Rhetoric concentration in the M.A. in English. The purpose of this course is to provide students with the theoretical and technical background to recognize the sources of grammar, style, and rhetorical problems that so often trouble their own writing, as well as the writing of inexperienced writers.

ENC5720: Problems in Contemporary

Composition

3

Description: This course is one of the courses in the Composition and Rhetoric concentration within the M.A. in English. This course will introduce students to the major theories of contemporary composition, the major theories of sentence and paragraph construction, and the design of writing assignments and assessments of those assignments.

ENC5935: Special Topics in Composition and Rhetoric

3

Description: This course will present selected topics in Composition and Rhetoric. Subjects will vary according to the

instructor.

ENC6700: Studies in Composition Theory 3

Description: This course is one of the courses in the Composition and Rhetoric concentration within the M.A. in English. In this class we will explore some of the most influential theories of rhetoric by reading primary and secondary texts and apply them to contemporary problems in the teaching of composition.

ENC6721: Studies in Composition Research 3

Description: This course is one of the courses in the Composition and Rhetoric concentration within the M.A. in English. Students will be introduced to a variety of empirical research methods commonly used in writing research and will have the opportunity to practice designing empirical studies in composition. The goal of this course is for students to become familiar with the methods, discourse conventions, and issues surrounding empirical research in composition.

ENC6942: Teaching Practicum in the Writing Classroom 3

Prerequisites: Two of the three following courses are prerequisites: The Subject of Composition, Five Major Problems in Composition, The Grammar and Rhetoric of Sentence and Paragraph and Permission of the Graduate Coordinator Teaching Practicum in the Writing Classroom offers English graduate students one semester of supervised teaching in an introductory college writing class. Student practitioners will have the opportunity to deploy composition and rhetorical theory in the planning and evaluating of writing assignments. As apprentices, student practitioners will learn as well various styles and skills of classroom teaching and management.

ENG5945: Graduate Internship 3

Description: This course will offer students in the M.A. program in English to apply for external work positions that offer them experience in skills directly related to the program's course offerings in writing, editing, or digital media.

**ENG6019: Contemporary Literary Criticism
and Theory** **3**

This course is a study of various contemporary schools of and theoretical approaches to literary criticism - for example, formalist, psychological, mythic, anthropological, new historicist, feminist, structuralist, post-structuralist, deconstructionist, and others - with an emphasis on method as well as theory. May be repeated for a maximum of 12 credits under different topics.

ENG6138: Studies in Film **3**

Prerequisite: Graduate standing or permission of instructor. In-depth study of significant films as literature. Focus on critical language and skills useful for film interpretation. Readings in literature and in film scholarship.

ENG6971: Thesis **3**

Prerequisite: Graduate standing. MA thesis: research and writing.

ENL6502: Studies in Early British Literature **3**

Description: This course will cover selected themes and topics in British Literature before 1800.

Repeatability: This course may be repeated up to 15 credit hours.

ENL6509: Studies in Later British Literature **3**

Description: This course will cover selected themes and topics in British Literature after 1800.

Repeatability: This course may be repeated up to 15 credit hours.

FIL5305: Documentary Workshop **3**

Description: Students undertake advanced documentary research, refine their understanding of documentary techniques, extend their analysis of and work with the generic features of documentary film, explore the aesthetic implications of the choices a documentarian must make, and reflect on the ethical complexities of documentary film in relation to the artistic history that informs this genre.

FIL5377: Advanced Documentary

Production

3

Description: Advanced students work in teams to produce a digitally-filmed/recorded documentary. Studying documentary styles informs students in the decisions they will make in the planning, scripting, shooting, recording, editing, and exhibition of their (often community-based) documentary. Documentary is understood through its cinematic, artistic, and political contexts (as distinct from television and news broadcast).

Repeatability: This course may be repeated up to 12 credit hours.

FIL5934: Advanced Topics in Film

3

Description: This course offers advanced topics in film organized by movements, styles, filmmakers, genres, historical periods, or themes.

Repeatability: This course may be repeated for up to 9 credit hours.

LIT5934: Topics in Literature

v. 1-3

Prerequisite: Graduate standing, permission of instructor. May be repeated up to 12 credits under different topics.

LIT6009: Studies in Genre

3

Description: This course will cover selected genres such as poetry, fiction, drama, digital media, and other mediums/modes of text.

Repeatability: The course can be repeated for up to 9 credit

hours.

LIT6246: Major Authors **3**

Prerequisite: Graduate standing or permission of instructor. This course is an in-depth study of a major author such as Dante, Chaucer, Shakespeare, Milton, Wordsworth, Dickens, Melville, Faulkner, Yeats, Virginia Woolf, George Eliot, William Carlos Williams. May be repeated up to 12 credits under different topics.

LIT6855: Topics in Cultural Studies **3**

Description: This course will cover selected topics and themes in the literature of cultural studies.

Repeatability: The course can be repeated up to 12 hours.

LIT6905: Directed Independent Study **v. 1-3**

Prerequisite: Permission of instructor, graduate coordinator, and department chairperson. This course investigates literature topics at the advanced level. May be repeated for 6 credits under different topics.

LIT6934: Special Topics in Literature **3**

Prerequisite: Permission of instructor. This course studies a variable range of literary topics. May be repeated for 12 credits under different topics.

LIT6941: Practicum: Teaching Literature **3**

Prerequisite: Graduate standing or permission of instructor. This course provides students practical experience in teaching literature at the college level. Students work closely with a professor in the classroom.

THE5907: Independent Study in Drama and Theater **v. 1-6**

Description: This course supports student-designed reading, research, or performance projects.

Repeatability: The course may be repeated for up to 12 credit hours and requires departmental permission.

THE5945: Playwrights' Project

3

Description: This course is a workshop in playwriting and play making. The first three quarters of the course is an intensive writing workshop designed to introduce students to the art and craft of playwriting. Students will learn to write and master the one-act play format. The final quarter of the course is a play-making workshop. Students will select stage-worthy scripts from the plays written in the first three quarters of the course and produce them. The play-making workshop includes opportunities for students to hold university-wide auditions, cast, direct, act in, publicize, promote and present their plays in a final performance project for the university community.

Repeatability: This course may be repeated for up to six (6) credit hours.

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Graduate Courses

Polit Science & Public Admin

CPO5535: Politics of South Asia

3

Description: Surrounded on the south by the Indian Ocean and on land by West, Central and Southeast Asia, the region of South Asia is composed of eight developing countries of which at least four are of great strategic importance to the international political community. It's growing economic and political influence along with nuclear proliferation, rise of Islamic militancy, terrorism and wars make South Asia a focal point of growing international attention and concern. This course will provide students with a detailed overview to the political study of the eight nations of South Asia. It will be organized to facilitate cross-national comparison, with course sections on each nation addressing topics such as political culture, government structure and institutions, political parties and leaders, and social conflict and resolution.

CPO6206: Politics of Africa

3

This course is concerned with the government, politics, and society of countries in Africa. These topics will be explored by examining their transition from traditional Africa to colonial Africa to independent states. In addition, the course will demonstrate how systems imposed by former European colonial powers influenced the design and implementation of African institutions. Special emphasis will be placed on politics above and below the state, including local governance, non-governmental organizations, and civil society. The preceding will help frame contemporary politics in Africa, which features ethnic conflicts, military interventions, social disequilibria, and unique forms of democratic governance.

INR5352: International Environmental

Policy

3

Description: The vitality of the world's ecosystems rests upon a constellation of inevitable and purposive forces acting in concert. To be sure, how humans decide to formalize interactions with their natural surroundings holds important consequences for both the environment and the people who inhabit it. By studying policy, we can better understand how politics translates competing interests, strategies, and values into environmental outcomes. This course will be a high-level introduction to the concept of international environmental policy and explore analytical tools designed to evaluate the merit of various approaches to solving environmental problems.

INR5449: International Law and Organization

3

Description: This course exams the role of international law and international organizations in the global political system. It explores the effects of international law and the activities of international organizations, including the United Nations and NGOs, against a backdrop of current issues of international importance. Such issues might include conflict, genocide, global health, human rights, or terrorism.

INR6330: Contemporary American Foreign and Security Policy

3

Description: Students in this course will first examine the principles that are the basis of contemporary American foreign and security policy. This examination will then lead to an analysis of recent successes and failures in the application of these policies. From this point, students will apply lessons learned to the articulation of American interests and goals in its relations with other countries, international organizations and actors on today's global scene. Students will identify important challenges that America faces as it works to achieve its political and economic goals, and the threats against America and its allies that require attention.

INR6607: International Relations Theory

3

Description: There are no prerequisites for this course. In this course, students will learn the major theories and approaches to understanding international relations, including Realism, Liberalism, and Constructivism, among others. The course will consider the history of international relations as a field of study, including the scholarly debates that center upon international relations theory. Students will study how these theories and approaches apply to current global issues, events, and leaders.

INR6705: International Political Economy **3**

Description: There are no prerequisites for this course. This is a graduate seminar designed to synthesize methods and insights derived from the social sciences to understand the complex issues faced in the international political economy today. It serves as a high-level introduction to current research in the subject area of economic globalization. It takes a multi-disciplinary approach to understanding complex issues such as world trade, the international monetary system, economic development, multinational corporations, international environmental policies, global security, and world financial crises.

INR6908: Directed Independent Study **v. 1-3**

Prerequisite: Consent of MAIA graduate director.

Description: Specialized study of an issue or topic in international relations, directed by a faculty member specializing in that topic.

Repeatability: This course may be repeated for up to 6 credits under different topics.

INR6938: Special Topics in International Affairs **3**

Prerequisite: Permission of instructor.

Description: The course topic will vary.

Repeatability: This course may be repeated up to 6 credits under different topics.

INR6946: Field Experience in International Affairs **v. 0-3**

Prerequisite: Permission of the MAIA graduate director.

Description: Students choosing to undertake an internationally-oriented internship or study abroad program will successfully complete their field experience and submit an essay reflecting upon the experience to a faculty supervisor. For students who study abroad and earn at least 3 credits from an institution abroad, this required course may be taken for zero credits. All other students must take a minimum of 3 credits. Students who do not complete their field experience after the minimum 3 credits required, this course may be repeated in one-credit increments for a total of 6 credits. Continual enrollment in Field Experience (summer exempted) is required until the experience and essay have been approved.

INR6971: Thesis

v. 1-3

Prerequisite: Permission of the MAIA graduate director.

Description: In this course, students will complete MA thesis research and writing under the supervision of a faculty advisor and committee. Students must complete a minimum of 3 credits of thesis research. For students who do not complete their thesis after the minimum 3 credits required, this course may be repeated in one-credit increments for a total of 6 hours. Continual enrollment in Thesis (summer exempted) is required until the thesis is completed.

PAD5700: Public Administration Research

Methods

3

Examines research methods used by public administrators in the public sector work environment. Emphasis on basic research methods and quantitative techniques with special emphasis on public administrative problems.

PAD6060: Public Administration in Modern

Society

3

Survey of study and practice of public administration emphasizing administrative theory, bureaucratic processes and politics, public versus private management and administrative responsibility.

PAD6066: Capstone Seminar

3

Prerequisite: PAD 6060, PAD 5700, and completion of all but 12 credits in the MPA program

Description: This class provides a summary and integration of the MPA program, and of the knowledge, skills and values appropriate to a professional career in public administration.

PAD6106: Administrative Behavior in Public Organizations 3

The examination of administrative theory and practice, with a special emphasis on the unique attributes of public bureaucracies. Topics include organizational structure and behavior, accountability, leadership, responsiveness, and administrative ethics.

PAD6142: Management of Nonprofit Organizations 3

Description: This is the gateway course in the MPA nonprofit concentration and the graduate certificate of nonprofit management. Topics include the history, scope and significance of the nonprofit sector; theories of nonprofit provision; nonprofit management and leadership; strategic planning; and the future of the sector.

PAD6164: Nonprofit Stakeholder Relations 3

Description: Identification of, and relations with, major stakeholders of nonprofit organizations. Major topics include: human resources; volunteer management; board of directors; performance measurement; accountability and legitimacy; and administrative communication.

PAD6173: Global Civil Society 3

Description: There are no prerequisites for this course. There has been a substantial upsurge of privately organized, voluntary actions around the globe in recent times. This upsurge was due to an overall dissatisfaction with the operations of both the market

and the state. A broad range of institutions that occupy the social space between the market and the state tackle most of our social, political and economic concerns these days. Known as “civil society”, “nonprofit sector” or the “third sector”, institutions within this sector combine private structures with public purposes to serve citizens. Due to their flexibility and potential to tap in extensive private support for public purposes they have become a powerful force that perform a number of critical functions, often in partnership with the state and the market. This course therefore explores the scope, structure, financing and the role of civil society globally and seeks evaluate its impact on global politics and policy making processes.

PAD6207: Economics and Municipal

Finance

3

The purpose of this course is to examine urban fiscal management policies in the post industrial city. Specific emphasis will be given to public management tools utilized by cities facing potential fiscal stress.

PAD6208: Nonprofit Financial Management

3

Description: This course is an introduction to financial management techniques for nonprofit organizations. Major topics include sustainability, fiscal management and budgets; fund raising; fee for service; legal requirements; grant and contract management; and private ventures.

PAD6227: Government Budgeting and

Finance

3

Exploration of the influence of interest groups on budget decisions, with special attention to the formation of the executive budget, congressional budgeting, and various political reactions to fiscal insufficiency.

PAD6239: e-Governance

3

Description: This course focuses on the intellectual concept of governance and its connection to transparency and accountability.

Students will explore key policies in support of transparency as well as critically evaluate e-governance practices to identify some of the limitations and dangers involved with the rapidly changing role of information and information technology in today's society. Topics include current issues in e-governance, e-governance management and theories, and improving government accountability through technology. Permission of the department is required.

PAD6335: Strategic Planning for Public and Nonprofit Organizations

3

This course will consider any in-depth study of two forms of organizational planning in common use by nonprofit organizations: strategic planning and project planning. For strategic planning, several common approaches will be considered and students will be required to produce a strategic plan for an organization. Students will investigate various tools used in project planning that are appropriate for task management.

PAD6417: Human Resources for Public and Nonprofit Management

3

This course examines the processes and procedures of modern human resource management in public and nonprofit organizations. The course emphasizes the important role of public interest values as it examines various models of human resource management. Appropriate strategies for effective organizational use and development of human resources are presented.

PAD6436: Ethics, Leadership and Accountability in Public Service

3

Description: This course studies the centrality of, and interaction between ethics, leadership and accountability in public and nonprofit organizations.

PAD6706: Research Design for Public Administrators

3

Prerequisite: PAD 5700 This course provides an introduction to

the types of research designs commonly used in public administration research and practice in the preparation of a formal research prospectus. It is a prerequisite for the Capstone Seminar course.

PAD6807: Urban Administration **3**

Problems and principles of municipal administration, including taxes, budgeting, planning, personnel, and the provisions of services; for example, police, fire, health, recreation, water and sewers, welfare, and education.

PAD6836: Comparative Public Administration **3**

Description: A comparison of the systems and processes of governance in a diverse range of countries. Through this students will gain a better understanding of the global context of public administration, of the influence of this on state and local government in the United States, and develop the basic tools for learning from other experience.

PAD6900: Directed Independent Study **v. 1-4**

Prerequisite: Consent of MPA program coordinator. Specialized study of an issue or topic in public administration, directed by a faculty member specializing in that topic. May be repeated for up to 9 credits under different topics.

PAD6934: Special Topics in Public Administration **v. 2-6**

Exploration of topics of enduring or emerging significance in public administration. May be repeated for up to 9 credits under different topics.

PAD6946: Internship in Public Administration **3**

Supervised field work in public administration. Diary and/or research project and seminar attendance required. May be

repeated up to 6 credits under different topics.

POS6158: Politics and Policy in Local Government

3

The course examines the political power structures of local governments and the related policy outcomes in terms of resource allocation and service delivery. The material also focuses on the consequences of these issues for public administrators.

PUP6006: Program Evaluation for Public and Nonprofit Management

3

Program evaluation is the collective term for a set of methodological tools and approaches that enable observers to ascertain reliably whether or not social programs are achieving their expected results. This course examines management of the evaluation process, techniques of evaluation, and the application of evaluation results for improving program performance in both public and nonprofit organizations.

PUP6007: Policy Analysis

3

Prerequisite: PAD 5700 The policy planning process, problems of implementing policy, evaluation of policy impacts, and techniques of policy forecasting.

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Graduate Courses

History

AMH5235: U.S. in the 1920's

3

This class focuses on the American experience in the 1920s. It explores many facets of the decade including the concept of the "New Woman," the Harlem Renaissance, nativism, the ascendancy of the Republican Party, and Prohibition. The themes and images portrayed in the literature of the period will constitute one major focus of this course. Students will read poetry and prose of major American artists. In addition students will investigate accounts of historians and scholars who analyze the era of the 1920s.

AMH5395: Mark Twain's America

3

This course covers American society, culture, and politics during Mark Twain's lifetime, 1835-1910. The readings for the course consist in the main of books and essays written by Mark Twain. The premise of the course is that, if one studies American history while reading Twain, one can better appreciate his major literary works; conversely, if one reads Twain while studying American history, one can gain insights into past events not found in conventional history texts.

AMH5446: The Frontier in American History

3

An examination of the frontier, both as historical reality and as historiographical concept, in America from late colonial times to the present.

AMH5515: U.S. in World Affairs

3

A thematic analysis of U.S. foreign policy from independence to the present. Concepts like self defense, economic expansion, international policeman and moral crusading are examined in connection with major events.

AMH5587: Native Southerners

3

Description: This seminar examines key themes in the history of Native Americans who lived in the Southeastern United States from the late Mississippian period (1500s) through the Removal era (1830s) and into the present. We pay particular attention to the South as Native-controlled space and to Native strategies of survival and innovation in the face of enslavement, war, epidemics, migration, and forced removal from their homelands. Students will be trained in reading primary sources through Indigenous lenses.

AMH5675: Atlantic Slave Trade

3

This course will introduce students to the origins of the slave trade between Africa and the Americas. Specifically, we will examine the motivations that drove Africans and Europeans to create a system of slave sales and use in the New World. We will attempt to understand the people of early modern West and Central Africa on their own terms, explore western Europe and the aspirations and purposes behind the exploration of both Africa and the Americas, understand the processes and outcomes of the Trans-Atlantic Slave Trade, and explore the development of multiple slave systems within the Americas.

AMH5934: Selected Topics: US History

3

This course will present selected topics in US history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

AMH6256: Era of World War II

3

Our purpose during this course is to examine and analyze the era of World War II by focusing upon five major problems: 1) Origins of the European War, 2) The Pearl Harbor Attack, 3) The Latin American Role, 4) Wartime Diplomacy, and 5) Origins of the Cold War.

AMH6429: Early Florida

3

Description: This graduate research seminar examines the history of early Florida, from sixteenth-century encounters between

Indians and Spanish conquistadores to the Seminole Wars. Key topics include Florida as an American Indian country, a magnet for runaway slaves, pivotal borderlands in imperial and regional contestations, and a lasting frontier in the United States. Special emphasis is placed on local history and the use of digital and local archives. No Spanish language skills are needed for this course.

AMH6905: Readings in American History I **3**

This course is designed to introduce students to major thematic issues in American history up to 1865. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historiographical issues.

AMH6907: Readings in American History II **3**

This course is designed to introduce students to major thematic issues in American history after 1865. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historiographical issues.

AMH6935: Directed Reading in American History **3**

Directed reading in American history for graduate students. Topics, eras, or themes will vary. May be repeated for up to 9 credits under different topics with permission of the graduate advisor.

AMH6936: Seminar in American History **3**

Graduate research seminar in American history. Topics, eras, or themes will vary. May be repeated for up to 15 credits under different topics with permission of the graduate advisor.

ASH5225: Islamic History to 1798 **3**

Islamic History to 1798 examines the Islamic world from its origins, c.600 CE until the decline of the last of the great Muslim "gunpowder" empires in the 18th century. The first half of the course will concentrate on the religious, political, and cultural achievements of the united Islamic world. The second half of the course will focus on the spread of Islam in the Middle East, South

Asia, and Africa, the success of Islamic states in the early modern period, and the crisis they faced at the end of the 18th century with the rise of Western industrial military might. Our approach to Islamic history will be interdisciplinary - combining the approaches of history, literary analysis, religious studies, and art history.

ASH5445: Japan Before 1868 **3**

This course covers the period from the ancient creation of the Imperial system through the rise of the military class. Readings will reveal the Japan of gods and goddesses, samurai, the great Buddhist academies and the classical arts of the tea ceremony, gardening, sculpture, literature and martial skills.

ASH5447: Japan After 1868 **3**

This course examines the conscious creation of the "modern" nation state of Japan, its changing literature, arts, and social organization. It concludes with an examination of post-modern (post-war) Japan.

ASH5935: Special Topics: Asian History **3**

This course will present selected topics in Asian history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

ASH6936: Seminar in Asian History **3**

Graduate research seminar in Asian History. Topics, eras, or themes will vary. May be repeated with the permission of the graduate advisor.

EUH5125: The Crusades **3**

The crusades to the Holy Land lasted from 1095 until 1291, but the crusading movement came to encompass a much wider array of military expeditions - against Jews, Spanish Muslims, European heretics, Baltic pagans, and eventually Native Americans. We will study the deep roots of the crusading movement in Western Christian Society, the ways in which the crusades brought three world cultures (The West, Byzantium, Islam) into contact and confrontation, the type of cultural interactions that took place, and

the continued vitality of the crusading idea in the expansion of Western Europe.

EUH5305: Byzantine History **3**

The Byzantine Empire upheld the Christian, Greek, and Roman traditions of the ancient world and remained the most powerful and splendid medieval society until the 13th century. The course examines the ability of the Empire periodically to renew itself from 325 to 1453. In doing so, we shall not overlook the artistic, musical and literary achievements of Byzantine civilization and the heritage of Byzantium in later cultures.

EUH5416: Ancient Rome **3**

This course traces the history of Rome the early days of the republic, through the establishment of the principate, to the transformations of the later empire. It explores how Rome encountered, absorbed, and was influenced by the peoples it ruled. It examines how the characteristic institutions of the Roman life emerged, and how they shaped the lives both of the elites and the common people. Students will explore the historiography of ancient Rome: the ancient written sources, epigraphy, and archaeological material, as well as modern scholarship.

EUH5457: Seminar on the French Revolution **3**

This course examines the origins and progress of the French revolution to 1799, with particular attention to the central questions of interpretation that remain controversial over 200 years after the event: Was the Revolution inevitable? Why the Terror? Is the Revolution "finished"?

EUH5537: The British Empire **3**

Beginning in the 16th century and re-inventing its purpose in the 19th century, England established an international empire on which the sun never set. This course will examine the origins, growth, zenith, and decline of the British empire. We will pay particular attention to Britain's activity in the non-western world.

EUH5685: Hitler and Stalin **3**

This seminar critically examines key events, issues, ideas, and actions which shaped the rise to power and the policies of Hitler and Stalin. In addition to the political personalities of both leaders, we explore politics, society, culture, and foreign affairs in Nazi Germany and Stalinist Russia.

EUH5934: Selected Topics: European

History

3

This course will present selected topics in European history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

EUH6695: European History and Historians

I

3

What is "Western Civilization", why do we teach it, and how do we do so? This is the first of a two-course sequence to prepare students to teach in undergraduate history programs. The course follows the structure of the undergraduate "Core" classes, but provides a much deeper background in the subject areas covered and the ways historians have dealt with them. On a weekly basis we will discuss key historical and historiographic issues from the major periods of western history.

EUH6905: Readings in European History I

3

This course is designed to introduce students to major thematic issues in the history of Europe up to 1648. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historiographical issues.

EUH6906: Readings in European History II

3

This course is designed to introduce students to major thematic issues in the history of Europe after 1648. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historiographical issues.

EUH6935: Directed Reading in European**History****3**

Directed reading in European history for graduate students. Topics, eras, or themes will vary. May be repeated for 9 credits under different topics with permission of the graduate advisor.

EUH6936: Seminar in European History**3**

Graduate research seminar in European history. Topics, eras, or themes will vary. May be repeated up to 15 credits under different topics with permission of the graduate advisor.

HIS5067: Public History**3**

This course will enhance student knowledge of public history by providing them with both the current literature in this more recent field of the history profession. In addition, students will be required to practice this area of history by creating their own projects to contribute to the knowledge of history, particularly local history, beyond the traditional academic arena of the classroom. Students will interact with a variety of individuals who are active in fields of public history. Other primary goals of the class are to impart extensive information about historic preservation and give students a greater understanding of the role of history professionals in this increasingly significant field of public history.

HIS5302: History in Photography and Film**3**

This course considers how photographs and films (including documentary and feature films) both distort and reflect historical reality, and how photographs and films can be used as historical evidence.

HIS5934: Special Topics in History**3**

May be repeated up to 9 credits.

HIS6905: Directed Independent Study**v. 1-4**

Prerequisite: Permission of instructor. May be repeated up to 9 credits under different topics with permission of graduate advisor.

HIS6935: Special Topics in History 3

Prerequisite: Permission of instructor. The course will vary each time it is offered. May be repeated up to 9 credits under different topics with permission of graduate advisor.

HIS6946: Internship in History 3

Prerequisite: Admission to graduate program, six hours of history graduate credit, and permission of the graduate advisor required. Provides a supervised work experience in an area historical, archaeological or cultural organization. Students must work at least 200 hours per semester. May be taken only once for credit in thesis program and twice in non-thesis program.

HIS6971: Thesis Research v. 1-6

Prerequisite: Graduate standing. MA thesis research and writing. May be repeated for up to 15 credits with permission of graduate advisor.

LAH5715: Inter-American Relations 3

United States policy toward Latin America over the past 190 years has gone through a number of distinct phases and has shifted from neglect to intervention, from cooperation to conflict. Our purpose in this course is to determine how we got from the past to the present; to determine the framework of United States policies toward the region; to provide an understanding of the perceptions that U.S. policymakers have had toward Latin America; and to see the ways that the Latin Americans have responded to U.S. policy initiatives.

LAH5934: Selected Topics: Latin American History 3

This course will present selected topics in Latin American history. Subjects will vary according to the instructor. The course may be repeated up to 5 times for a total of 15 credits under different topics.

LAH6905: Readings in Latin American History I 3

This course is designed to introduce students to major thematic issues in Latin American history up to 1821. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historiographical issues.

**LAH6906: Readings in Latin American
History II**

3

This course is designed to introduce students to major thematic issues in Latin American history from 1821 to the present. The course is organized chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historiographical issues.

LAH6936: Seminar: Latin American History

3

Graduate research seminar in Latin American history. Topics, era, or themes may vary.

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Graduate Courses

Psychology

CLP6441C: Individual Intelligence Testing 4

Prerequisite: PCO 6317C and consent of the instructor

Description: This is an introduction to the theory, administration, scoring, and interpretation of individual tests of intelligence. The lab component will afford students practice in all facets of intelligence testing, under supervision.

CLP6445C: Individual Personality Testing 4

Prerequisite: PCO 6317C and consent of the instructor

Description: This is an introduction to the diagnostic assessment of personality and personality dynamics, including objective and projective techniques. The lab component will afford students supervised practice in testing, interpretation, and report writing techniques.

DEP6055: Human Development 3

Prerequisite: Admission to the Master of Science in Psychological Science program or permission of instructor.

Description: The course will provide an in-depth survey of research pertaining to central issues of developmental change across the life span. Both classical and contemporary perspectives will be examined.

EXP6506: Learning and Cognition 3

Prerequisite: Admission to the Master of Science in Psychological Science program or permission of instructor.

Description: The course is designed to acquaint students with current theoretical and empirical work in the area of human learning, cognition, and information processing. Topics include long-and short-term memory, semantics, natural language processing, and artificial intelligence.

PPE6466: Advanced Personality Theories 3

Prerequisite: Prerequisite: PPE 4004 or CLP 4143 plus admission to the Master of Science in Psychological Science program or permission of the instructor.

Description: This course represents a survey of the major issues (e.g., cross-situational vs. situational specificity of behavior), "grand" theories (e.g., psychoanalytic), and experimental approaches (e.g., focus of control in personality) regarding personality theories and includes content that provides a knowledge base relevant to counseling.

PSB6031: Advanced Biopsychology

3

Prerequisite: Consent of instructor

Description: This graduate level course provides an in-depth exploration of the biological underpinnings of behavior. The course will cover current topics in neuroscience, psychopharmacology, psychophysiology, and behavioral medicine.

PSB6435: Neuropharmacology

3

Prerequisite: PSB6031

Description: In this course we will discover how psychoactive drugs alter neurotransmission and, thereby, human perception, cognition, emotion, and behavior. After reviewing principles of pharmacology and the structure and function of the human nervous system, we'll study the specific pharmacological mechanisms and behavioral effects of different legal and illegal drugs including alcohol, nicotine, caffeine, cocaine, marijuana, methamphetamines, opiates, hallucinogens, antidepressants, anxiolytics, and antipsychotics. We'll discover how drug use changes the brain and consider how we should understand and treat addiction disorders.

PSB6930: Special Topics in Behavioral Neuroscience

3

Prerequisite: PSB3002

Description: This course provides graduate students with an opportunity to study a variety of contemporary topics in behavioral neuroscience. In addition to topics chosen by the instructor, students will explore the neurological foundations of the specific

behaviors they study. This course is repeatable with different topics for up to nine credits.

PSY6214: Research Design and Analysis I **3**

Prerequisite: PSY 3213 and STA 2014 or STA 2023

Description: The course involves the study of the research design and statistical analysis in psychology. Emphasis is placed on issues concerning the choice of basic to intermediate research designs and the appropriate use and interpretation of basic to intermediate statistical analyses. Nonparametric tests, basic to intermediate parametric tests, analyses addressing measurement of psychological constructs, and complex graphical display of data are explored. The course includes learning the effective use of computerized statistical packages.

PSY6217: Research Design and Analysis II **3**

Prerequisite: PSY 6214 or STA 5126 or permission of instructor

Description: This course involves further study of the design and analysis of psychological research. Emphasis is on issues concerning the choice of appropriate designs for implementation of research and statistics for analysis. Both experimental and correlational designs are explored and students are introduced to the use of computerized statistical packages.

PSY6908: Directed Individual Study **v. 1-3**

Prerequisite: Permission of the departmental chairperson

Description: This course may be repeated up to 12 credits under different topics.

Repeatability: This course may be repeated up to 12 credits.

PSY6910: Supervised Research **3**

Prerequisite: Prerequisite: Admission to the Master of Science in Psychological Science program or permission of the instructor.

Description: This course involves intensive experience in design, implementation, analysis, and writing. A minimum of nine hours per week of research involvement under faculty supervision is required.

Repeatability: This course may be repeated for a total of 6 credits.

PSY6931: Special Topics**v. 1-3**

Prerequisite: Admission to the Master of Science in Psychological Science program.

Description: This course will explore topics of current importance in psychology. Topics may be initiated by faculty and/or students in consultation with the department chairperson. No more than three hours may be counted as part of the MACP or MAGP programs.

PSY6932: St:Seminar in Psychological**Science****3**

Prerequisite: Consent of the Instructor

Description: This specialty course presents students with in-depth understanding in a specific area of expertise or interest. The course content may be oriented toward theory, research, and/or practical application of psychological skills.

Repeatability: This course may be repeated once for a total of 6 credit hours.

PSY6937: Colloquium in Psychological**Research****1**

Prerequisite: Admission to the Master of Science in Psychological Science program or permission of the instructor.

Description: This course represents an ongoing colloquium series, intended for graduate students in psychology, that involves the presentation and discussion of research initiatives by faculty and graduate students. The grading system is Pass/Fail.

Repeatability: This course may be repeated for a total of 4 credits.

PSY6971: Thesis A**3**

Prerequisite: PSY 6910 and PSY 6214

Description: In this course, the students will begin the process of developing their thesis under the advisement of their thesis advisor and/or thesis committee members. This course involves developing a literature review and writing research objectives. It also includes the identification of suitable testing materials and instruments relevant to the thesis topic.

PSY6972: Thesis B**3**

Prerequisite: PSY 6971

Description: In this course, the students will begin the data collection and analysis phase of their thesis under the advisement of their thesis advisor. This course involves understanding and applying techniques of research design and analysis.

PSY6973: Thesis C**v. 1-6**

Prerequisite: PSY 6972

Description: In this course, the students will begin the data collection and analysis phase of their thesis under the advisement of their thesis advisor and/or thesis committee. This course involves understanding, applying, and communicating techniques of research design and analysis. Students must complete at least 3 hours of Thesis C. For students who do not complete their Thesis project after the minimum 3 credit hours of Thesis C, this course may be repeated in one hour increments for a total of six hours. Continual enrollment in Thesis C (summer exempted) is required until the Thesis project has been completed.

SOP6069: Advanced Social Psychology**3**

Prerequisite: SOP 3004 or equivalent, plus admission to the Master of Science in Psychological Science program or permission of the instructor.

Description: This course involves an in-depth survey of the research literature of social psychology, with emphasis on individual behavior. Topics will include, but are not limited to, aggression, attraction, social perception, helping behavior, attribution, attitudes, applied social psychology, and communication.

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Graduate Courses

Languages, Lits., and Cultures

FOL5930: Topics in Foreign Language

v. 2-4

Prerequisite: Graduate standing and permission of instructor and department chairperson. See department office for description of specific offering. May be repeated up to 18 credits.

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Graduate Courses

Soc, Anthro, & Social Wk

ANG5472: Globalization and Development **3**

Description: This course examines globalization – the increased movement of people, ideas, and things -- from a cross-cultural perspective. It provides students with a detailed analysis of specific people’s experiences with increased mobility, connectivity, and displacement. Development (defined here as discourses and practices pertaining to “progress,” “economic growth” and “quality of life”) is presented here as one major articulation of globalization. While development may often introduce greater socio-economic inequalities, students will be introduced to critical perspectives and constructive frameworks to conceptualize more equitable, participatory and sustainable forms of development. Case studies will be key to the evaluation and comparison of competing theoretical paradigms.

SOW5107: Human Behavior and the Social Environment **3**

Description: This course examines foundational theories, and perspectives that are critical to professional social work practice across the lifespan. Theoretical frameworks will be used to illuminate the impact of environmental factors that influence individual health, development, and psychosocial-spiritual functioning. Biopsychosocial challenges and strategies for responding to or confronting the challenges will be explored.

SOW5185: Community Social Work Practice: Academic Immersion **3**

Prerequisite: SOW 5307

Description: This course will introduce community practice in the context of metropolitan Jacksonville, Florida. Special emphasis will be placed on the historic legacy and current issues of racial and economic oppression. This course will explore specific social

problems and identify the implications for social work practice at the micro, mezzo, and macro levels.

SOW5207: Foundations of Social Work 3

Description: This foundation course explores the philosophy and practice of contemporary social work from a historical perspective. In addition to examining the historical evolution and context of the profession's mission, values, ethics, and roles, students will critically analyze controversial policy and practice issues that impact the profession as well as the vulnerable, marginalized, and oppressed populations historically served by social workers.

SOW5235: U.S. Social Welfare Policies and Institutions 3

Description: This course analyzes social welfare policy as it relates to social values, social problems, social structures, and social justice. In particular, students will consider the economic, political and ideological factors and processes that affect social welfare legislation, financing, implementation, and evaluation and examine frameworks for policy analysis and program evaluation, with applications to contemporary social service and income maintenance policies and delivery systems.

SOW5307: Communication and Critical Thinking in Social Work Practice: Academic Immersion 3

Co-Requisite: SOW 5185 and SOW 5470

Description: This course is designed to develop and refine students' written communication and critical thinking skills in preparation for advanced social work practice with diverse client systems across practice settings. Emphasis will be placed upon written communication and critical thinking skills utilized routinely by social workers throughout the helping process, including assessment, intervention, and evaluation. Through this course, students will have the opportunity to enhance their knowledge, values, and skills for effective problem-solving and ethical decision-making in evidence-informed social work practice.

**SOW5337: Social Work Practice with
Organizations and Communities**

3

Description: In this course, students will learn about the nature of organizations, government, and communities, and how these systems function and change. This course examines how organizational level policies inform social work practice and how practice informs policies, and reviews principles for evaluating and conducting research on organizations and their programs. The course will focus upon the process for policy development, including agenda building, analyzing problems, determining options, writing proposals, implementing policy, and evaluating practice.

**SOW5404: Methods of Social Work
Research**

3

Description: This course examines quantitative and qualitative research methods in an effort to equip students with the knowledge, ethics, and skills to utilize research to inform social work practice. Research literature will be considered to distinguish and critique the utility of research design, sampling, and measurement strategies to evaluate social work services. Emphasis will be placed upon scientific and analytic approaches to building knowledge and skills, including: the role of concepts and theory, hypothesis formulation, operationalization, research design, data collection, data processing, statistical analysis, computer skills, and report writing.

**SOW5470: Principles of Social Work
Research and Theory: Academic
Immersion**

3

Co-Requisite: SOW 5307

Description: This course is designed to prepare students to become effective consumers and producers of research, and to evaluate their own practice using a sound foundation of research and theoretical principles. Students will learn to read, critically evaluate, and appraise the research of others and to select interventions that are based on evidence and theoretical

underpinnings. Within this process, the following will be covered: the scientific method for building knowledge for social work practice, ethical standards for scientific inquiry, qualitative and quantitative research methodology, and the review and utilization of research findings. This course also emphasizes theories and strategies for advanced generalist practice such as person-in-environment/ecological approaches, problem-solving approaches, systems and developmental theories and their application to research and practice.

SOW5625: Difference, Discrimination and Oppression

3

Description: This course examines social work's historical and current commitment to social justice as it relates to oppressed groups in a multicultural society. This course will seek to enhance student understanding of and appreciation for diversity in self and others. Course content will address issues of power, inequality, privilege, discrimination and the resulting oppression. Special emphasis will be given to the experience of oppressed groups in order to understand their strengths, needs, and responses. Course material will use a social justice perspective for the study of and practice with oppressed groups at all system levels, including those distinguished by race, ethnicity, gender, age, sexual orientation, disability, immigration status, religion and social class. This course will consider the ethical dilemmas faced by social workers in their empowerment and advocacy roles.

SOW5931: Generalist Practice I

3

Description: This course provides a foundation in generalist social work knowledge and skills for practice at the micro-level with individuals and families with special emphasis given to oppressed and at-risk populations. Students will develop interpersonal communication, assessment, and service planning skills and learn to identify macro policy issues for consideration of advocacy. Students will engage in a process of self-assessment in order to recognize and mitigate the influence of personal values and biases as they relate to ethical social work practice. Strategies for the resolution of ethical dilemmas and culturally competent practice will be introduced and reinforced. Tools for addressing

burnout and compassion fatigue will be examined.

SOW5932: Generalist Practice II

3

Description: This course provides a foundation in generalist social work knowledge and skills for practice at the micro-level with individuals and families with special emphasis given to oppressed and at-risk populations. Students will develop interpersonal communication, assessment, and service planning skills and learn to identify macro policy issues for consideration of advocacy. Students will engage in a process of self-assessment in order to recognize and mitigate the influence of personal values and biases as they relate to ethical social work practice. Strategies for the resolution of ethical dilemmas and culturally competent practice will be introduced and reinforced. Tools for addressing burnout and compassion fatigue will be examined.

SOW5940: Field Education I

3

Description: Field education, the signature pedagogy of the social work profession, is integral to the education and professional socialization of social work students. Through field education, graduate students are provided a structured and supervised environment in a human service organization in which they apply theoretical knowledge, test and refine practice skills, and adopt professional behaviors. Field Education I, the first of two consecutive courses in the foundation year, introduces and allows students to apply the generalist knowledge and skills acquired through academic courses to social work practice with a specific client system.

SOW5941: Field Education II

3

Description: Field education, the signature pedagogy of the social work profession, is integral to the education and professional socialization of social work students, providing a structured and supervised environment in which students will apply theoretical knowledge, test and refine practice skills, and adopt professional behaviors. Field Education II, the second of two consecutive courses, allows students to apply the generalist knowledge and

refine interpersonal and organizational skills acquired through academic courses to social work practice with a specific client system in a human service organization.

SOW6125: Psychopathology

3

Description: In this course students will learn to apply a biopsychosocial model to the assessment and diagnosis of mental, emotional, and behavioral disorders classified in the most current edition of the Diagnostic and Statistical Manual (DSM). In addition to learning how to use the DSM in social work practice, students will engage in critical analyses of the DSM, exploring the impact of oppression and bias on the classification, diagnosis, and treatment of disorders as well as the social construction of "mental illness."

SOW6126: Advanced Interpersonal Practice with Children/Adolescents & Families

3

Description: A primary goal for this course is to explore the spectrum of mental disorders that appear across the developmental span from childhood to adolescence. The disorders will be examined within the contexts of current knowledge and research and other factors that function as risks or protective factors that impact the mental health of children and adolescents. Through the lens of labeling and stigmatization, conceptualizations of mental disorders childhood and adolescence will be explored. In addition, the predominant classification system of disorders of childhood and adolescence, the Diagnostic and Statistical Manual of Mental Disorders will be presented. Indications for individual, group, and family treatment modalities will be defined.

SOW6445: Practice and Program Evaluation

3

Description: In this course students will learn how to utilize qualitative and quantitative research methods to enhance and

evaluate their direct practice with diverse client systems as well the efficacy of service delivery programs. Special attention will be paid to the design and implementation of evaluation strategies as well as to the practical and ethical dilemmas inherent in practice and program evaluation. Students will complete this course with an understanding of how to plan and conduct an evaluation and utilize findings to improve social work practice and service delivery.

SOW6605: Social Work in Health Care

Settings

3

Description: The primary focus of this course is the development of knowledge and understanding of social work practice methods in health care settings. The course is presented in three segments: 1) conducting biopsychosocial-spiritual assessments; 2) engaging in comprehensive and coordinated patient and family centered care strategies via the medical home model; and 3) understanding the implications for social work as a result of changes in federal health care policies. Throughout the course, students will discuss ethical issues, management of interdisciplinary challenges, diversity issues, and issues related to specific health conditions and disabilities.

SOW6646: Advanced Interpersonal

Practice with Adults and Elders

3

Description: The first segment of this course will explore the aging process and its implications for individuals, families, groups, organizations, and communities. The purpose of this segment is to gain understanding about normative as well as idiosyncratic changes that accompany the aging process. In the second segment, the course will examine and explore the skills required to engage in effective practice with older adults and their families within a variety of clinical and community settings including medical hospitals, long-term care facilities, hospice, home-based care and other residential settings.

SOW6655: Child Welfare and Social Work

Practice

3

Description: This course will examine the role of social work practice in the child welfare system. Special emphasis will be placed on the etiology of child maltreatment as well as an analysis of interactive systems. Students will develop skills and knowledge associated with effective practice in the prevention of child maltreatment and intervention in cases of abuse and/or neglect. Students will engage in consultation of the research associated with child welfare policy and procedures, child maltreatment and intervention in cases of abuse and/or neglect

SOW6670: Social Work Practice with the Military, Veterans, and their Families

3

Description: This course will provide an introduction to social work practice with military service members, veterans, and family members. This course will explore military culture and its systemic influence on human functioning and social relationships. Special emphasis will be given to the specific needs of military families and the role of the social worker in addressing those needs. Course content will emphasize evidence-based interventions and resources for working with military families.

SOW6745: Hospice and Palliative Care

3

Description: This course will focus on social work roles in hospice and palliative care. Academic content will include: psychodynamic and developmental theories in death and dying, bereavement, spirituality, legal and ethical issues, pain and symptom management, hospice and palliative care with marginalized populations, care of LGBTQ persons who are dying, and hospice and palliative care at a mezzo and macro level. The course will train social workers to conduct comprehensive biopsychosocial spiritual assessments, coordination of care within family systems, and work within interdisciplinary teams. The course will also equip social workers with an understanding the impact of chronic life limiting illnesses and the impact of trauma on the death and dying process.

SOW6907: Directed Independent Study in

Social Work**3**

Description: This is a three credit course open to current graduate students in the UNF Social Work Program who have completed all generalist (first year) year requirements. The course provides opportunity for independent research of advanced generalist social work practice in both agency and policy-related settings with diverse populations. The course will focus upon various fields of practice and populations within the social work profession.

Repeatability: This course can be repeated for a total of nine credit hours with the permission of the Program Director or Instructor.

SOW6932: Advanced Seminar in Clinical Practice**3**

Description: This course will introduce advanced clinical/therapeutic techniques such as Cognitive Behavioral Therapy, Motivational Interviewing and other evidence-based interventions. Special emphasis will be placed on linking theoretical framework to psychotherapeutic practice and skill development.

SOW6934: Advanced Special Topics in Social Work**v. 3-6**

Description: This course will explore various topics related to advanced generalist social work practice, policy, and research. This course is open to MSW students who have completed their generalist social work practice requirements and may be repeated for a total of 6 credits under different topics.

SOW6935: Advanced Topics in Human Behavior**3**

Description: This special topics course will examine human behavior in the context of an advanced social work practice area, setting, or population. This course will focus upon the analysis, from a social justice perspective, of major theoretical frameworks

used to explain development in children, adolescents, adults, and older adults. Each advanced topics course will focus upon specific diverse populations in the context of the social environment such as immigrant populations, LGBT populations, etc.

SOW6945: Field Education III with Integrated Seminar

3

Description: Field education, the signature pedagogy of the social work profession, is integral to the education and professional socialization of social work students, providing a structured and supervised environment in which students will apply and begin to demonstrate mastery of theoretical knowledge, test and refine practice skills, and adopt professional behaviors. This course provides students with an opportunity to expand social work practice to include advanced generalist interventions with clients in a human service organization. Advanced generalist practice emphasizes both clinical and administrative elements of social work practice, preparing students to assume a variety of roles. Students will utilize the seminar component of this course to address appropriate boundary setting and self-care associated with sound practice skills in clinical and administrative contexts.

SOW6948: Field Education IV & Integrative Seminar

3

Description: Field education is integral to the education and professional socialization of social work students, providing a structured and supervised environment in which students demonstrate mastery of and the capacity to apply theoretical knowledge, test and refine practice skills, and adopt professional behaviors. This course provides students with an opportunity to refine advanced generalist practice skills. Students will utilize the seminar component of this course to address appropriate boundary setting and self-care associated with the development of clinical and administrative skills. The students will also demonstrate that they have matured professionally and are able to effectively utilize supervision, function within complex organizations, form collaborative relationships with clients and colleagues, and are able to articulate the role of a MSW within an organizational setting.

SYA5933: Special Topics in Sociology**v. 3-6**

Description: This course provides an exploration of topics of current importance in the field of social problems, social organization or the discipline of sociology. This graduate course number is used in conjunction with an undergraduate course on the same topic.

Repeatability: This course may be repeated for up to 6 credits.

SYD6706: Race Relations**3**

Prerequisite: Admission to the program or permission of the Graduate Director. This course is designed to provide students with a sociological overview of the history of racial and ethnic relations in American Society, and to critique the social, economic and political consequences this history has had on various racial and ethnic populations. It will examine the role of British Colonial settlers and the adjustments of subsequent immigration groups, emphasis on relative adjustment to the dominant group, conflict among and between various groups, and their influence on the nature of American culture in religion, politics, economics and education.

SYP6447: Social Change and Development**3**

Prerequisites: Admission to Graduate Program or permission of Graduate Director. The course provides a critical examination of major problems confronting less developed countries. Specifically, problems of growth, equity, and environmental sustainability are situated in a critical perspective informed by modernization, dependency, and world-system theory.

SYP6667: Sociological Approaches to Culture**3**

Prerequisites: Admission to the program or Permission of Graduate Director. The course provides an introduction to how sociologists understand the role of culture in social life, drawing on contributions from scholars working in the Production of Culture tradition, as well as Cultural Studies. The course will also examine theoretical approaches to culture.

SYP6668: Analysis of Subcultural

Perspectives

3

An in-depth study of subcultures in American society, and the cultural wholeness of lifestyles often labeled deviant in the society. Special emphasis will be given to gaining an understanding of the perspectives of others.

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Graduate Courses

Mathematics & Statistics

MAA6417: Complex Analysis

3

Prerequisite: MAA 4211. Holomorphic functions, Cauchy's theorem. power series, conformal mapping, harmonic functions, residues.

MAD6405: Numerical Analysis

3

Prerequisites: MAC 2313, MAS 3105 and a scientific computing language. Nonlinear equations, interpolation, numerical integration, direct and indirect solutions of linear equations, eigenvalue problems and error analysis for the above numerical methods.

MAE6871: Mathematical Connections

3

Prerequisites: Graduate standing in mathematics education. In this course we study connections among various branches of mathematics. These include geometry and number theory, geometry and complex numbers, surfaces and algebra, geometry and algebra (including impossible constructions), and interesting numbers such as PI, EPISILON, IOTA, EPSILON.

MAE6879: Mathematical Applications

Around Us

3

Prerequisites: Graduate standing in mathematics education. Topics will be chosen from graph theory, coding, voting and apportionment, scaling, geometric and numerical patterns in nature, probability, or other areas of application. Projects will be assigned for individual research relating mathematics to art, music, biology, game theory, or other areas of application.

MAP6336: Ordinary Differential Equations

3

Prerequisites: MAP 2302, MAA 4211 and MAS 3105. Existence and uniqueness theorems, properties of solutions of ordinary

differential equations, linear and non-linear systems, stability.

MAP6345: Partial Differential Equations **3**

Prerequisites: MAP 2302, MAS 3105 and MAA 4211. First order equations; classification of second order linear equations; wave, heat, and Laplace equations; separation of variables and Fourier Series.

MAP6385: Scientific Computing **3**

Emphasis will be on the practical aspects of implementing numerical schemes and the use of well established software packages. Some consideration will be given to stability and accuracy questions. Topics may include: numerical solutions of nonlinear equations, interpolation, simulation and optimization.

MAP6489: Mathematical Biology **3**

Prerequisite: MAP 2302, MAS 3105, and MAA 4211

Description: This course covers basics of mathematical models which are used to study population dynamics, diseases, and cells. Techniques covered include ordinary differential equations, and discrete and continuous dynamical systems. Analytical and numerical tools suitable for analysis and visualization of the solutions of these problems are presented.

MAP6605: Topics in Financial Mathematics **3**

Prerequisite: MAA 4211 and 4212, STA 4321, or permission of the department. Topics will include an introduction to options and derivatives, pricing via arbitrage, binomial and multi-period models, Brownian motion, Ito integral, Black-Scholes stochastic differential equation, and application to option pricing, hedging, valuing by utility, and exotic options.

MAS6145: Advanced Linear Algebra **3**

Prerequisite: MAS 3105. Vector spaces, linear transformations, eigenvalues and eigenvectors, similarity transformations, positive definite matrices, canonical forms and other topics in linear algebra.

MAS6218: Topics in Number Theory **3**

Prerequisites: MHF 3202 and MAS 3203 or MAD 3107 or permission of the instructor This course will consist of topics from analytic, algebraic, computational, or elementary number theory. Possible topics include, but are not limited to: congruences, reciprocity laws, quadratic forms, prime number theorem, Diophantine equations, Gaussian sums, quadratic residues, number fields, class number, units, and partitions.

MAS6311: Abstract Algebra **3**

Prerequisite: MAS 4301 or permission of instructor. Algebraic structures, sub structures, quotient structures, modules, algebras and field extensions.

MAS6933: Topics in Algebra **v. 1-3**

Prerequisites: MAS 4301 or permission of instructor. Selected topics from ring theory, group theory, algebraic geometry, algebraic number theory, category theory, homological algebra.

MAS6938: Topics in Applied Algebra **3**

Prerequisites: MAS 4301 and permission of the department. This course will consist of topics such as combinatorics, graph theory, coding theory, automata theory or design theory.

MAT6908: Directed Individual Study **v. 1-3**

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.

MAT6933: Special Topics in Mathematics **v. 1-3**

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.

MAT6971: Thesis **v. 1-3**

Prerequisite: Permission of the department. May be repeated for 6 credits.

STA5126: Statistical Methods for the Social Sciences

3

This course covers the statistical methods most often used in social science research. Topics include regression and correlation analysis, analysis of variance, categorical data and nonparametric statistics. This course cannot be used to satisfy degree requirements by statistics and mathematics majors.

STA5931: Special Topics in Statistical Sciences

v. 1-3

Prerequisite: Permission of the department. This is an introductory graduate level course in statistics, designed to support graduate programs in other departments in the University. This course may be repeated for 9 credits under different topics.

STA6106: Computer-Intensive Methods in Statistics

3

Prerequisite: STA 4321. This course will cover a variety of statistical methods which are dependent on the availability of massive computational power. The course will include but is not limited to topics such as simulation techniques, randomization tests, Monte Carlo techniques, bootstrap methods, and numerical optimization methods. The course will involve extensive computer programming on the part of the students.

STA6166: Statistical Methods I

3

Prerequisite: MAS 3105 and STA 4321. This is the first in a two-term sequence in statistical methods. This course is a blend of the theory and applications of regression analysis and of the design and analysis of data. It focuses on linear regression with one predictor variable, inferences involving regression coefficients and correlation analysis, diagnostics and remedial measures, multiple linear regressions and its diagnostics, and an introduction to the analysis of variance. Emphasis is placed on the application of these techniques to data and interpretation of the results. The course uses the statistical analysis software (SAS) for data analysis.

STA6167: Statistical Methods II

3

Prerequisite: STA 6166. This is the second in a two-term sequence in statistical methods. In this course, the focus is exploration of multiple regression (including model building, diagnostics, and remedial measures), multifactor studies using analysis of variance and covariance, and other topics in the analysis of categorical or multivariate data. The course uses the statistical analysis software (SAS) for data analysis.

STA6205: Design of Experiments **3**

Prerequisite: STA 6166 or both STA 3163 and STA 4321 This course covers principles of design, single factor and multifactor design, randomized blocks, randomized incomplete blocks, Latin squares, factorial designs, split plot and related designs. It also covers random and mixed effects model for Analysis of Variance designs. The course uses the statistical analysis software SAS for data analysis.

STA6226: Sampling **3**

Prerequisite: STA 6166 or both STA 3163 and STA 4321. This course focuses on survey designs and covers simple probability samples, ratio and regression estimation, stratified sampling, and cluster sampling with equal and unequal probabilities. Some complex survey designs may also be included. The course uses the statistical analysis software SAS for data analysis.

STA6326: Mathematical Statistics I **3**

Prerequisite: MAA 4211 and STA 4321. This is the first in a two-term sequence in mathematical statistics. It covers topics such as probability, random variables, expected values, sampling distributions, Central Limit Theorem, estimation, properties of estimators, and order statistics.

STA6327: Mathematical Statistics II **3**

Prerequisite: STA 6326 This is the second in a two-term sequence in mathematical statistics. It covers introductions to the theories of point estimation, interval estimation, and hypothesis testing. Topics on sufficiency, completeness, likelihood, and their applications to the exponential family are also covered.

STA6446: Probability**3**

Prerequisites: MAS 3105, MAA 4211 and STA 4321 This is a course in advanced topics in probability. It covers probability distributions, conditional probability and conditional expectations. Some of the fundamental stochastic processes (Markov chains, the Poisson process, Renewal Theory, Brownian motion) will be covered.

STA6505: Categorical Data Analysis**3**

Prerequisite: STA 6166. This course is an introduction to the methods used to analyze categorical responses and contingency tables. Topics include models for binary response variables, logistic regression, logit models for categorical data, loglinear models and the estimation of model parameters.

STA6666: Statistical Quality Control**3**

Prerequisite: Permission of the department. This course covers the statistical properties, as well as the design, implementation, and operation, of various statistical process control (SPC) schemes including those based on Shewhart, cumulative sum, and moving average control charts. Methods appropriate for conducting a capability study will also be covered. The role of SPC in process improvement will be examined, as well as statistical models useful in quality control. Additional selected topics such as acceptance sampling will be presented as time permits. The statistical analysis software SAS will be used extensively.

STA6707: Multivariate Methods**3**

Prerequisite: MAS 3105, STA 6166. This course introduces a range of multivariate methods used for analyzing complex data sets with large numbers of variables. The following topics will be covered: multivariate analysis of variance, correlation, discriminant analysis, and factor analysis.

STA6908: Directed Individual Study**v. 1-3**

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.

STA6938: Seminar in Statistics**v. 1-3**

Various topics in statistics. May be repeated for 9 credits under different topics.

STA6940: Statistical Consulting**v. 1-3**

Prerequisites: Permission of instructor. The course is designed to give students hands-on experience with statistical consulting. The course covers problem formulation, statistical techniques, data analysis, and interpretation of the results of consulting problems. The course may be repeated for a total of 9 credits.

STA6971: Thesis**v. 1-3**

Prerequisites: Permission of the department. May be repeated for 6 credits under different topics.

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Graduate Courses

Civil Engineering

CEG5304: Applied Engineering Geology **3**

Prerequisite or

Co-requisite: CEG 3011C Geotechnical Engineering This course addressed the application of geological information to engineering problems. Topics covered include soil and rock mechanics, instrumentation, geological hazards, field testing, coring and classification of geological materials, and probability and statistics as applied to geological materials. (A course fee of \$35 will be assessed.)

CEG6118: Advanced Foundation Engineering **3**

Prerequisite: CEG 3111

Description: This course covers advanced topics in foundation engineering and design. Topics will include piles and pile groups subjected to axial and lateral loads, design of soil anchors and soil nails and limit states design of foundation.

CEG6320: Drilled Shaft Foundations in Rock **3**

Prerequisites: CEG 3011C and CEG 3111

Description: This course addresses the design and analysis of drilled shaft foundations in rock. Topics covered will include intact rock characterization, rock mass and discontinuity characterization, deformation and strength of rock, axial and lateral, capacities of drilled shafts, axial and lateral deformations, and stability of drilled shaft foundations.

CEG6515: Slope Stability **3**

Prerequisites: CEG 3011C, CEG 3111

Description: This course covers soil mechanics concepts to the design and analysis of earth slopes. Topics covered will include infinite slope analysis, limit equilibrium slope analysis, finite

element slope analysis, and mechanics and analysis of reinforced slopes.

CEG6806: Ground and Site Improvement **3**

Prerequisite: CEG 3011C

Description: This course covers methods for improving soil and rock and associated verification techniques for assessing ground improvements. Ground improvement methods discussed include mechanical modification (compaction), hydraulic modification (dewatering and vertical drains), grouting, and soil reinforcement. Verification techniques discussed will include field testing, intrusive testing, and geophysical testing.

CES6144: Matrix Structural Analysis **3**

Prerequisite: CES 3100

Description: This course covers the theory and application of traditional structural analysis for trusses, beams, frames, cables, and arches as either determinate or indeterminate systems. Topics covered will include matrix methods including the direct stiffness method, and flexibility and stiffness method with introduction to computer-based techniques.

CES6715: Prestressed Concrete **3**

Prerequisite: Graduate standing and consent of instructor This course covers prestressed concrete behavior and design for applications in building and bridge design. Topics covered will include the design of fire-and post-tensioned girders, floors, roofs, and walls.

CGN5010: Math Methods for Engineers **3**

Prerequisite: MAP2302

Description: This course will focus on mathematical methods for applications to engineering problems at a graduate level. It will include: mathematical concepts, geometry of patterns and their quantification, Eigenfunctions, probabilities, statistics of extremes, multidimensional spectral forms, mathematics of waves, stable and unstable systems, Monte Carlo methods, an introduction to new methods for understanding physical systems, and propagation problems in discrete systems.

**CGN5320: Advanced GIS Applications in
Civil Engineering**

3

Description: The course covers GIS principles and applications used in civil engineering. The focus of this course is to learn how to use GIS tools in solving various civil engineering problems. Students will be introduced to geographic coordinate systems and map projects, learn how to create shapefiles, develop geodatabases, and learn how to create models by integrating spatial databases.

CGN5406: Risk Assessment

3

Prerequisite: STA 3032 and PHY 2048

Description: This course will provide risk analysis and quantification for design and engineering. The course will introduce important concepts such as: probability concepts and distributions, hypothesis testing, extremes, sampling and resampling of methodology, uncertainties, hazards in the environment, complexity and sustainability, tectonics, storms, flooding, droughts, environmental hazards, and risk applications.

**CGN5932: Special Topics in Civil
Engineering**

v. 1-3

Prerequisite: Permission of instructor

Description: This course will cover an in-depth study of current civil engineering topic. The course content will vary each time the course is offered and will be focused on state-of-the-art concepts that are not addressed in current course selections.

Repeatability: This course may be repeated for up to 6 credits.

**CGN6125: Legal Considerations in
Engineering and Construction**

3

Description: This course is designed to provide the student with a basic understanding of the American Legal System and the engineer's relations with the law, the public, and the ethics of the profession. The course will include contracts, property rights,

intellectual property, torts, and administrative law as they relate to the Engineering and Construction professions.

CGN6335: Advanced Oceanography & Meteorology

3

Prerequisite: MAC2311

Description: In this course students will examine physical characteristics, processes, and dynamics of the global ocean to understand circulation patterns and how they relate to ocean biology, chemistry, and climate change. Students will learn about total energy balance, role of eddy fluxes, inference of mean meridional circulation, diagnosis of time-mean flow, climate and its variability, theories of wind-driven circulation, Sverdrup solution, frictional and inertial boundary regimes and thermohaline circulation.

CGN6900: Supervised Graduate Research

3

Prerequisite: Graduate status; permission of instructor and department chairperson.

Description: This course is an investigation of topics in Civil Engineering at the advanced level.

Repeatability: This course may be repeated for a maximum of 6 credits.

CGN6933: Special Topics in Civil Engineering

v. 1-3

Prerequisite: Graduate standing and permission of instructor.

Description: This course will cover an in-depth study of advanced civil engineering topics. The course content will vary each time the course is offered and will be focused on state-of-the-art concepts that are not addressed in current course selections.

Repeatability: This course may be repeated for up to 6 credits.

CGN6970: Civil Engineering Master's

Thesis

v. 1-6

Prerequisite: Graduate standing and permission of instructor

Description: The student will conduct individual research on topic relevant to civil engineering. The research topic will be chosen by

the student in conjunction with their advisor.

Repeatability: The course may be repeated for up to 6 credits.

CWR5007: Coastal Processes **3**

Prerequisite: PHY 2048, PHY 2049, and MAC 2312

Description: This lectures feature background theory, discussion and a detailed examination of important coastal processes with engineering applications. Course subjects cover a wide range of topics to provide a breadth of knowledge for subjects related to coastal study. Topics include coastal zone features, water wave mechanics, field measurement techniques, longshore and cross-shore sediment transport analysis, beach nourishment theory, coastal structures, tidal inlets, and coastal management. The course presents material at a level necessary to understand many intermediate and advanced processes and relationships.

CWR5008: Introduction to Coastal and Port Engineering **3**

Prerequisite: PHY 2048, PHY 2049, and MAC 2312

Description: This course provides an introduction to the coastal environment with a focus on engineering and science applications. The course also introduces important concepts important to port operations and design as related to the waterside engineering aspects. Designed for beginning graduate students, the course introduces important topics and physical processes necessary to understand and work in the coastal environment. The course provides the foundation for more advanced study of water wave mechanics, coastal processes, and coastal and port engineering design.

CWR5015: Advanced Field Methods **3**

Prerequisite: CGN 6933

Description: This hands-on course introduces the fundamentals of design, execution, and analysis of field studies of river and estuarine coastal environments. This course will use common oceanographic instruments and methods to collect data and samples during day trips in local marine waters.

CWR5025: Water Wave Mechanics **3**

Prerequisite: CWR 3201 and MAP 2302

Description: This course will first provide an introduction to hydromechanics and then present the development and solution of the basic boundary value problem for water waves. Engineering properties of waves will then be examined including: shoaling, refraction, breaking, bed dissipation, and wave forces on structures.

CWR5128: Advanced Groundwater Flow and Contaminant Transport

3

Prerequisite: CWR 4202C

Description: This course addresses the study and evaluation of groundwater flow within aquifers. The course includes a general overview of groundwater geology, groundwater hydraulics, the hydrologic cycle, well hydraulics, aquifer testing, salt-water/freshwater interface, and fate and transport of contaminants. Advanced topics include the derivation of the groundwater flow equation, development of mathematical solutions to groundwater problems, and modeling of groundwater flow or contaminant transport. Each student will be required to develop a final course project as well as develop a lecture on an assigned groundwater topic related to a recent published journal article.

CWR5241: Sediment Transport

3

Prerequisite: CWR 3201 and CEG 3011C

Description: This course will teach students about the principles of sediment transport. Particular attention will be given to cohesive material in terms of flocculation and erosion as a stochastic process. Other topics include sedimentation, bed formation, erosion and fluid mud.

CWR5305: Stormwater Management

3

Prerequisites: CWR 4202C, ENV 3001C, MAP 2302

Description: This course explores the management of Stormwater Quantity (flooding, low flow augmentation, etc.). The course involves an extensive use of case studies and focuses on the urban setting. Computer modeling techniques are emphasized.

CWR5526: Computational Fluid Dynamics **3**

Prerequisite: CWR 3201

Description: The purpose of this course is to introduce fundamentals of computational fluid dynamics. In particular, the focus will be on simulating incompressible flow via the finite volume method. The student will also learn to use CFD software to solve complicated fluid flow problems

CWR5531: Numerical Modeling of Coastal Systems **3**

Prerequisite: CWR 3201 and MAP 2302

Description: This course covers fundamentals of numerical methods and development of programming techniques to solve problems in coastal, civil and environmental engineering. This course requires substantial computer use via numerical codes in languages such as Matlab and FORTRAN. Standard topics, including Taylor series, solving systems of equations with direct and indirect methods, interpolation, root finding, numerical differentiation, finite difference approximations, time stepping methods and numerical integration, are treated in a context-based approach involving applications drawn from coastal, civil and environmental engineering. This course will provide the requisite material for courses and research in numerical modeling, field observation, and engineering and design of coasts and ports.

CWR5545: Water Resources Systems **3**

Prerequisites: CWR 4202C, ENV 3001C, MAP 2302

Description: This course introduces and applied simulation models and optimization methods to analysis, design and operation of water resource systems, including systems for water supply, water quality management, flood control and hydropower.

CWR5820: Coastal Structures **3**

Prerequisite: CWR 3201 and CEG 3011C

Description: This course covers design and analysis of several types of coastal structures. Topics include structural scour, wave loading on superstructures, breakwater design, revetment design, and bulkhead design.

CWR5824: Coastal and Estuarine

Hydrodynamics

3

Prerequisite: CWR 3201 and MAP 2302

Description: Linear wave theory is introduced at the beginning of the course. The remainder of the course stresses nearshore wave processes, the physics of longwave hydrodynamics, and estuarine processes. The course culminates with an application of coastal and estuarine hydrodynamics.

CWR5830: Port and Harbor Engineering

3

Prerequisite: CGN 6933

Description: This course will develop a working knowledge of various aspects of port and harbor design, focusing less on theoretical hydrodynamics and more on practical aspects of design.

CWR6026: Nonlinear Waves

3

Prerequisite: CWR 5025

Description: This course will go beyond linear wave theory and investigate the process when two or more waves interact in a nonlinear way. An introduction will be given to stochastic description of ocean waves, wave spectrum, wave statistics, and definition of freak waves. The course will also examine non-linear wave resonance, free and bound waves, models for nonlinear wave evolution, and modulational instability

CWR6236: River Engineering and Sediment

Transport

3

Prerequisites: CWR 4202C, MAP 2302

Description: This course examines river flow hydrology, the processes of sediment entrainment, transport, and deposition, and the interaction of flow and transport in shaping river channels. Course topics include boundary layer flow; physical properties of sediment; incipient, bed-load and suspended-load motion; bed forms; hydraulic roughness, velocity and stress fields in open channels, scour and deposition of bed material; and bank erosion. The course culminates in the application of principles and analytic tools to engineering interference (diversion, dams, dredging); river training works; and hydraulic model studies of rivers.

CWR6285: Turbulence

3

Prerequisite: CWR 3201 and MAP 2302

Description: This course is an introduction to turbulence. Fundamental equations of turbulent flow, statistical description, Reynolds equations, Kolmogorov's theory, scales of turbulence, homogeneous or isotropic turbulence, energy transfer, spectral description, free-shear flows, bounded flows, and boundary layers. Numerical methods to simulate turbulence, including Direct Numerical Simulations (DNS), Large Eddy Simulations (LES), and Reynolds-Average Navier-Stokes (RANS) equations and models.

CWR6560: Advanced Numerical Modeling of Coastal Systems

3

Prerequisite: MAP 2302, CWR 3201, and CWR 5531

Description: Finite element methods are introduced at the beginning of the course. The remainder of the course stresses the utility of numerical models in examining coastal and estuarine systems. Concepts of model building and code execution are covered culminating in a parallelized HPC (high-performance computing) numerical situation.

CWR6605: Major River Systems of Florida

3

Prerequisite: PHY 2048, PHY 2049, and MAC 2312

Description: Due to the unique geology and ecology of Florida, its river systems are vitally important to the co-existence of man and nature. The course will provide an in-depth look at current and future issues of the major river systems (St. Johns, Kissimmee, Apalachicola, etc., in Florida). It will focus on the issues that a civil engineer will come in contact within his/her career. This course will integrate the student's perspective of the human impact on the river, the legal framework and issues of water quality management and the biotic perspective of a healthy ecosystem. Reading material will include online state river reports. A significant research paper will be required of students which examines one aspect of a major river system whether it be human induced changes, physical or biotic processes, the impact of some physiographic feature, or an aspect ecosystem.

EGN6456: Advanced Engineering Analysis 3

Prerequisite: Graduate standing

Description: This course covers methods of analysis to applied engineering problems. The topics covered will include a review of vector calculus and linear algebra, analytical solutions and numerical integration of ordinary differential equations, introduction to finite element and finite difference methods, and an introduction to the solution of partial differential equations. Examples used in the course will be derived from the field of engineering. Students will be required to use computational tools for this course.

EGN6457: Advanced Research Methods for Engineers 3

Description: This course covers the application of statistical analyses to engineering problems. The course emphasizes theory and methods of conducting advanced research, including the scientific method.

ENV5640: Design of Water Quality Management Facilities 3

Prerequisites: CWR 3201, ENV 3001C

Description: This course covers the analysis of operations, processes, and systems used in the design of facilities for maintaining water supply quality, wastewater control, and aquatic pollution control. The design of wastewater collection systems, water and wastewater treatment plants, and systems for disposal for residuals from such facilities is included in this course.

ENV6510: Aquatic Chemical Processes 3

Prerequisite: ENV 3001C

Description: This course covers the applicability of water chemistry and physical chemistry on natural waters and wastewater with emphasis on environmental engineering problems.

ENV6511: Biological Treatment Systems in Environmental Engineering 3

Prerequisite: ENV 4012

Description: This course covers the theory and design of biological operations and processes in environmental engineering using the latest technologies.

**ENV6519: Physical/Chemical Treatment
Systems in Environmental Engineering 3**

Prerequisite: ENV 3001C

Description: This course covers the theory and design of physical and chemical operations and processes in environmental engineering using latest technologies.

**TTE5205: Operational Analysis of
Transportation Facilities 3**

Description: This course provides a detailed coverage of capacity and level of service analysis of freeways, surface streets, signalized and unsignalized intersections using methodologies of the Highway Capacity Manual.

TTE5255: Traffic Signal Systems 3

Description: This course provides comprehensive coverage of the timing of coordinated traffic signal systems with an emphasis on computer analysis and simulation, including a treatment of the following topics: data collection, timing analysis via Synchro, time-space diagrams, controller functions for coordination, field implementation, traffic responsive operation, project evaluation, and system maintenance.

**TTE5805: Advanced Highway Geometric
Design 3**

Description: This course provides a detailed coverage of the principles and techniques necessary for the design of the highway geometric elements. Emphasis will be on the design criteria and methods necessary to prepare a set of highway plans.

TTE6272: Intelligent Transportation Systems

3

Description: This course is intended to increase student's understanding of the application of advanced computer and communications technologies (Intelligent Transportation Engineering - ITS) to address improvements in transportation and in the areas of safety, productivity, and general mobility. The student will learn the application of these technologies in the multimodal surface transportation infrastructure of highways and streets, as well as passenger cars, trucks, and trains.

TTE6315: Highway Safety Analysis

3

Description: This course provides a detailed coverage of safety analysis using methodologies of the Highway Safety Manual developed by the American Association of State Highway and Transportation Officials (AASHTO). Topics covers include; crash modification factors, safety performance functions, principles and techniques used in identification and evaluation of high crash locations, and corrective measures to enhance highway safety.

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Graduate Courses

Electrical Engineering

EEE6508: Advanced Topics in Signal Processing **3**

Prerequisite: EEL 4750 Introduction to Digital Signal Processing or equivalent

Description: This course provides an overview of modern signal processing methods including: signal modeling, spectral estimation, adaptive algorithms, neural networks, and applications.

EEL5563: Fiber Optics **3**

Prerequisite: EEL 3472 Electromagnetic Fields and Applications or equivalent

Description: This course focuses on fiber optic waveguides. Topics covered in the course include optical sources, detectors, receivers, transmission systems and fiber-based broadband communication networks.

EEL5613: State Space Control Systems **3**

Prerequisite: EEL 4657 and EEL 4657L or equivalent

Description: This course covers the design and analysis of control systems using state-space methods. Topics include linear algebra, modeling of physical systems as state-space equations, transformations, stability, controllability and observability, state feedback, observer design, introduction to optimal control, and Riccati equation.

EEL5820: Digital Image Processing **3**

Prerequisite: EEL 3135 Signals and Systems or equivalent

Description: This course covers various electrical engineering aspects of digital image processing techniques and their applications including image acquisition, sampling, color, enhancement, segmentation, compression, coding, and morphology.

EEL5934: Special Topics in Electrical Engineering

3

Prerequisite: Graduate standing and permission of instructor

Description: This course will consist of an in-depth study of a current electrical engineering topic. Topic will vary each time the course is offered and will be focused on state-of-the-art concepts that are not addressed in current course selections.

Repeatability: This course may be repeated up to 6 credits.

EEL6935: Special Topics in Electrical Engineering

3

Prerequisite: Graduate standing and permission of instructor

Description: This course will consist of an in-depth study of a current electrical engineering topic. The topic will vary each time the course is offered and will be focused on state-of-the-art concepts that are not addressed in current course selections.

Repeatability: This course may be repeated for up to 6 credits.

EEL6970: Master's Thesis Proposal Development

3

Description: This course is an individual research course involving investigations on a topic relevant to electrical engineering. The topic is to be chosen by the student and his/her faculty thesis advisor.

EEL6971: Master's Thesis Proposal Defense

3

Prerequisite: EEL 6970

Description: This course is the second part of an individual research course involving investigations on a topic relevant to electrical engineering. The topic is to be chosen by the student and his/her faculty thesis advisor. At the conclusion of this course, a student is required to submit a written Master's Thesis Proposal and conduct an oral defense of their Master's Thesis Proposal.

EEL6972: Master's Thesis**v. 1-6**

Prerequisite: EEL 6971

Description: This course is an individual research course involving investigations on a topic decided upon by a student and their faculty thesis advisor during the students Master's Thesis Proposal courses. Student is required to submit a written Master's Thesis and to conduct an oral defense at the conclusion of their final semester of enrollment. Continuous enrollment in EEL 6972 is required until all thesis requirements are met.

Repeatability: May be repeated for up to 12 credits.

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Graduate Courses

Computing

CAP5605: Introduction to Artificial Intelligence

3

Prerequisite: COP 3530

Description: This course is intended for beginning graduate students lacking background in this area. Course topics include heuristic techniques for problem solving and decision making, control and search strategies, knowledge representation, logic, and AI languages and tools. Applications such as expert systems, natural language understanding, planning, and computer vision will be covered. Students will extend course topics via library assignments or other instructor-assigned requirements.

CAP5771: Data Mining

3

Prerequisite: COP 5716 or equivalent. Students will study concepts and techniques of data mining, including Characterizing and Comparison, Association Rules Mining, Classification and Prediction, Cluster Analysis, and Mining Complex Types of Data. Students will also examine Applications and Trends in Data Mining.

CAP6100: User Experience Design

3

Description: This course covers user experience design concepts associated with the design, implementation, and evaluation of human/computer interfaces including interface devices, metaphors, and interaction styles. Topics covered include task analysis; dialog models and examples; design thinking; contextual design and analysis; user-centered design including naive and expert user interfaces; interface development methodologies and implementation tools; interface testing and quality assessment.

CAP6610: Machine Learning

3

The course studies fundamental techniques and algorithms in

machine learning. Introduces techniques like regression, classification, and clustering and describes the differences among them. The course also studies a variety of supervised and unsupervised learning algorithms including SVM, KNN, ANN, Q-Learning among others. The course also introduces the students to deep learning strategies. Evaluation techniques for any learning strategy are also discussed.

CAP6635: Advanced Artificial Intelligence **3**

Description: This course will provide in-depth coverage of uninformed and informed search strategies, thoughtful ways to represent knowledge, and incisive techniques that support rational decision making including under uncertainty. Application areas will include game playing, machine learning, natural language processing, and robotics

CAP6671: Intelligent Systems **3**

Prerequisite: Permission of the instructor. The course may be repeated for credit with the consent of the Department. Each course offering examines an area concerned with intelligent systems chosen from among artificial intelligence, logic programming, language translation, vision, robotics, simulation, neural networks.

CAP6768: Data Analytics **3**

Description: The aggressive rate of data growth has outpaced our ability to manually understand what data represents. Data is typically stored in database and files, and represented in different formats (structured, semi-structured, or no structure). Data analytics is the science of applying quantitative techniques to analyze data with the objective of discovering hidden knowledge and identifying interesting patterns. This course surveys a number of data preprocessing and sampling methods, data distributions and uncertainty, statistics, regression, time-series analysis, predictions and clustering. It introduces the characteristics and analytic challenges on dealing with clinical data from electronic health records. The course also covers emerging trends in Data Analytics and the applications of information technology in the

healthcare. Statistical analyses and data mining techniques will be discussed along with methods for deploying these techniques using the open source tools.

CAP6776: Information Retrieval and Text

Mining

3

Description: Information Retrieval (IR) and Text mining are increasingly important in this era where the use of textual data is growing in many different fields. This course will expose students to concepts and techniques of information retrieval and text mining including Retrieval models in IR, evaluation and language models, retrieval feedback, natural language processing, document representation, text classification, text clustering and labeling, document summarization, sentiment analysis, social network, and social media analysis, topic modeling, and text visualization. Students will also examine the applications and trends in text retrieval and mining.

CAP6777: Data Mining

3

Description: This course is about mining knowledge from data in order to gain useful insights and predictions. The course will expose students to concepts and techniques of data mining, including data extraction, exploratory data analysis, visualization, association rules mining, classification and prediction, cluster analysis, and mining complex types of data. Students will also examine applications and trends in data mining. The course will include several coding projects in which students will implement mining algorithms.

CEN6001: Software Requirements

Engineering

3

Description: The course will examine the requirements phase of the Software Engineering lifecycle in detail. Topics will include requirements elicitation, requirements specification, requirements analysis and modeling, requirements prioritization, verification, and validation, requirements traceability, requirements management and requirements visualization.

CEN6016: Engineering of Software

3

Description: This course will explore leading research in the field of software engineering (SE). Students will acquire the knowledge needed to perform research or conduct practice in the field. Each class will cover research papers and topic presentations by the instructor and students. The majority of the course content will be drawn from the classic research papers and the current state-of-the-art in SE.

CEN6017: Engineering of Software II

3

Prerequisite: CEN 6016. Topics covered in this course include: the design of a software system using classical and object-oriented approaches; software architectures, frameworks, functional and object-oriented decomposition, prototyping, design and implementation of reviews and walkthroughs, GUI design and implementation, interoperability, support tools, and quality assurance practices; team-oriented project used methods, techniques and practices learned.

CEN6036: Software Architecture

3

Description: This course addresses issues associated with large-scale Web application development including architectural design and documentation, and service-oriented computing technologies. In this course, students will gain an understanding of the concepts behind software architectures for large-scale Web-based systems as well as design, recognize, evaluate and document software architectures. The course would deepen students'™ understanding of service-oriented architecture. In particular, the course will focus on principles behind service-oriented software engineering, and approaches and methods for efficient service production in service ecosystems.

CEN6070: Software Quality Assurance and Testing

3

Prerequisite: CEN 6016. Topics covered in this course include: the quality of the software product; techniques with the stages of

verification and validation; reliability; correctness, testing methods, coverage measures, testing specialized applications, formal verification, testing management techniques and support tools; team-oriented project used methods, techniques and practices learned.

CEN6079: Secure Software Development **3**

Description: This course provides an introduction and overview of security practices in software and systems engineering. Some of the topics covered are the characteristics of secure software, the role of security in the development lifecycle, designing secure software, risk analysis, threat modeling, defensive coding, penetration testing, static analysis, and best security programming practices.

CEN6086: Cloud Computing **3**

Prerequisite: CNT 5505

Description: This graduate-level elective course investigates cloud computing models, techniques, and architectures. Cloud computing has evolved as a very important computing model, which enables information, software, and other shared resources to be provisioned over the network as services in an on-demand manner. Students will be exposed to the current practices in cloud computing. Topics may include distributed computing models and technologies, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), Software-as-a-Service (SaaS), virtualization, security and privacy issues, performance and systems issues, capacity planning, challenges in implementing clouds, data centers, hypervisor CPU and memory management, Cloud OS, federated clouds, cloud hosted applications, and other advanced and research topics in cloud computing.

CEN6940: Computing Practicum **3**

Prerequisites: CAP 6768 and ISM 6021 or CEN 6017

Description: This practicum course allows students to gain valuable hands-on experience in the computing industry while earning credit towards their degree. This is a stand-alone, single-semester based course, which includes practical computing work under industrial supervision or instructor-guided exploration of a

topic relevant to the industrial application of specific computing technology. Both instructor approval of a plan for the proposed work as well as a successful end-of-term presentation are required. Enrollment in more than one semester is allowed, but earned credit is applied in accordance with degree requirements.

CIS5105: Systems Performance and Evaluation

3

Prerequisite: COP3530

Description: This course is intended for beginning graduate students lacking background in this area. Course topics include tools and techniques used in the evaluation of the performance of computing systems, empirical modeling, methods, simulation models, and deterministic and stochastic methods. Students will extend course topics via library assignments or other instructor assigned requirements.

CIS5930: Special Topics in Computer and Information Sciences

v. 1-4

Description: This course is reserved for beginning graduate students and advanced undergraduates. Topics are reflective of current faculty interests and advances in state-of-the-art computing not adequately addressed in current course offerings.

Repeatability: May be repeated up to 12 credits.

CIS5935: Seminar

v. 1-3

Prerequisite: Permission of the School of Computing

Description: Course topics will reflect broader interests than covered in a standard course. Students will be expected to make presentations of material extracted from current trade publications.

Repeatability: May be repeated up to 12 credits

CIS5949: Experiential Studies in Computing

v. 1-3

Prerequisite: Acceptance to the Graduate Program in Computing and Information Sciences and for the cooperative education

program

Description: Students will participate in supervised work experiences related to computing. Up to 3 credits may be applied to the elective category for the Master of Science in Computing and Information Sciences

Repeatability: Students may receive repeat credit for this course.

CIS6101: Software Processes and Metrics **3**

Prerequisite: CEN 6016. Topics covered in this course include: software life cycle and process models; software metrics, software estimation, software standards, configuration management, version control, planning, scheduling, tracking, risk management, maintenance and reengineering; capability measures such as CMM; process approaches such as PSP, extreme programming, and TSP; ethical and professional issues; support tools; team-oriented project used methods, techniques and practices learned.

CIS6302: Distributed and Internet Systems **3**

Prerequisite: CNT 5505 or equivalent. This course covers topics in distributed and Internet systems from among design issues; mobile and wireless systems; resource allocation; load balancing; security; reliability; file systems; performance evaluation and architectural enhancements to improve performance. Case studies such as the distributed object architectures of CORBA and RMI are used to illustrate topics.

CIS6371: Applied Cryptography **3**

Description: This course is about constructing practical cryptosystems for which we can argue security under plausible assumptions. The course covers many constructions for different tasks in cryptography. For each task, we define a precise security goal that we aim to achieve and then present constructions that achieve the required goal. A unified framework will be developed to analyze those constructions.

CIS6372: Information Assurance **3**

Description: An overview of techniques for ensuring and

managing information security. Topics include administrative and technical security controls to prevent, detect, respond to, and recover from cyber-attacks; risk and vulnerability analysis to select security controls; security planning; security architecture; security evaluation and assessment; and legal, ethical, and privacy aspects of information assurance. The course also covers information security fundamentals, such as cryptography, authentication, and access control techniques, and their use in network, operating system, database, and application layers. Security issues of current importance are stressed.

CIS6516: Managing Software Projects and

Personnel

3

Prerequisite: CEN 6016 or equivalent. For advanced graduate students. Principles of management as they apply to information technology enterprises. Emphasis on the unique requirements of software projects and the personnel involved in them examined in the context of the current information technology workplace.

CIS6900: Directed Individual Study

v. 1-3

Description: This course is reserved for advanced graduate students, on topics supportive of the student's overall program.

Repeatability: May be repeated with permission.

CIS6913: Research Methods in Computing

3

Description: Students completing this course will be prepared to conduct research in the disciplines of computing and become better interpreters of research outcomes produced by others. The issues, concepts, methods, and techniques associated with scientific inquiry in general are covered, including qualitative and quantitative methods. An emphasis is placed on communication skills, creative thinking, problem-solving, and integration of knowledge. Students will select a research problem with the approval of the instructor, review the relevant literature, produce a pertinent prospectus draft, present the proposed work in an oral and/or poster presentation format, and review presentations of peers.

CIS6917: Research Experiences I **3**

Description: This is the first course of a two-semester sequence for non-thesis students. The student will collaborate with a Computing faculty member on a research project, and work on it towards preparing a manuscript or a grant proposal for submission to a journal or conference proceedings or to an external funding agency during the second semester.

CIS6918: Research Experiences II **3**

Prerequisite: CIS6917

Description: This is the second course of a two-semester sequence for non-thesis students. The student will continue to collaborate with a Computing faculty member on the research project they began with Research Experiences I. The student will perform experiments and/or implementation, document the research findings, and prepare and submit a manuscript to a journal or conference proceedings, or a grant proposal to an external funding agency.

CIS6930: Special Topics in Computer and Information Sciences **v. 1-4**

Description: This course is reserved for advanced graduate students, on topics reflective of current faculty research interests.
Repeatability: May be repeated up to 27 credits.

CIS6935: Seminar **v. 1-3**

Topics reflect broader interests than covered in a standard course. Students will be expected to make presentations of material extracted from current trade publications. May be repeated up to 27 credits.

CIS6970: Thesis **3**

Description: This course is reserved for advanced graduate students nearing completion of the Masters degree.
Repeatability: May be repeated up to 6 credits.

CNT5505: Computer Networks and Distributed Processing

3

Prerequisite: COP 3530 or COP 3538

Description: This course is intended for beginning graduate students lacking background in this area. Topics include network architecture and protocols in computer communication networks, network elements and topology, switching and routing, and, data management and security in a distributed environment. Students will extend course topics via library assignments or other instructor assigned requirements.

CNT6130: Software Defined Networking

3

Description: The aim of this course is to give the students a deep understanding of two important, emerging network technologies: Software Defined Networking (SDN) and Network Functions Virtualization (NFV). SDN and NFV are at the core of the dramatic transformation of today's networks. SDN makes it possible to quickly deploy exciting and highly relevant new protocols, without requiring extensive hardware changes. NFV aims to decrease the costs for network operators. NFV utilizes open source software running on commodity, off-the-shelf hardware rather than highly specialized, vertically integrated solutions produced by a small number of vendors. The combination of SDN and NFV makes it possible to quickly deploy new services for large numbers of users in both wired and wireless networks.

CNT6167: Internet of Things

3

Description: This course introduces the underlying network protocols for IoT communications, including rules regarding network architecture and design at the medium access and network layers. Short range wireless (e.g. Bluetooth, BLE, RFID, NFC, WiFi, LiFi), medium range wireless (e.g. IEEE 802.11ah HaLow), as well as, wired technologies (e.g. smart grid) are discussed. App development aspects of relevant technologies and their applications will be covered, as well.

CNT6407: Internet Security**3**

Description: This course provides an in-depth study of various techniques for network attacks and methods to defend against them. A number of threats and vulnerabilities of the Internet will be covered, including various vulnerabilities of TCP/IP protocols, denial of service (DOS), attacks on routing, attacks on DNS servers, TCP session hijacking, and so on. This course will also cover defense mechanisms, including intrusion detection, firewalls, tracing the source of attacks, anonymous communication, IPsec, virtual private network, and PKI.

CNT6519: Wireless Network Security**3**

Description: Wireless connectivity to servers and storage is becoming increasingly common these days. However, due to power, size and bandwidth limitations, the network and security management of wireless nodes have become fragile. As a starting point, wireless networks have adopted many security mechanisms from the wired world. But due to the inherent limitations, they are more vulnerable to attacks than the wired network. Threats like intercepting and unauthorized access to wireless traffic are real. More mature solutions to the security problems demand the need for understanding the current technologies and security flaws. (need to be changed to be consistent with other catalog course descriptions)

CNT6707: Network Architecture and Client/Server Computing**3**

Prerequisite: CNT 5505 or equivalent. Topics covered in this course include: the technology and architecture of high-speed WANs and LANs including ATM, ATM-LANE, FDDI, fast and gigabit Ethernets; design and performance issues in high-speed networks; traffic analysis and queuing; resource allocation and congestion control; QoS parameters; RSVP and differentiated services; network security; wireless networks.

CNT6730: Advanced Computer Networks**3**

Description: The course covers both classic papers about network architecture and protocols and recent research results in various domains such as data center networking, high-performance computer networks, wireless networks, and others. The discussions also include protocol design and analysis, as well as simulation and measurement studies of new and existing protocols.

COP5615: Operating Systems

3

Prerequisite: COP3404 and COP3530.

Description: This course is intended for beginning graduate students lacking background in this area. Topics include process management, memory management, file management, input/output device management, and distributed systems issues. Students will extend course topics via library assignments or other instructor-assigned requirements.

COP5625: Construction of Language

Translators

4

Prerequisite: COT 3210 and COP 3530.

Description: This course is intended for beginning graduate students lacking background in this area. Topics in this course will include grammars, languages, parsing, precedence, runtime storage organization, semantic routines, error recovery, optimization, intermediate code representations, scope, symbol tables, and compiler-compilers. Students will extend course topics via library assignments or other instructor-assigned requirements.

COP6284: Programming for Data Science

3

Description: This course gives a broad overview of programming concepts for the data science field as well as a broad overview of the various aspects of data science process, methods, and techniques. Students will gain an understanding on the data science lifecycle processes, and techniques and methods used for carrying out lifecycle activities. Students will learn how to manage and extract data from relational databases using SQL, how to write in programs in Python to conduct data science, and how to analyze data using R. This course provides a programming primer for working with and analyzing data. Students will be familiarized

with essential programming tools used by practicing data scientists.

COP6611: Advanced Operating Systems 3

Prerequisite: COP 5615 or equivalent. For advanced graduate students. Advanced topics in operating systems such as network operating systems, distributed operating systems, distributed shared memory, object-based systems, distributed file access.

COP6616: Parallel Computing 3

Prerequisites: COP 5615 and COT 5405, or equivalent. In this course, topics covered include: parallel models and hardware architectures (shared-memory, message-passing, threads); basic communication operations; concurrency and synchronization techniques; parallel algorithms analysis and design; problem partitioning and mapping; parallel programming paradigms and environments; cluster-based computing; performance and scalability issues; parallel simulations; new trends in parallel computing.

COP6711: Database Engineering and Administration 3

Prerequisites: COP 4720 and CEN 6016 or equivalent. This course covers the application of software engineering approaches in the strategy, analysis, design, implementation, verification, and validation phases of large scaled database design. Design issues and the user's role are studied. Database administration and management responsibilities are examined.

COP6735: Developments in Database Structures 3

Prerequisite: COP 5716 or equivalent. This course covers traditional and emerging databases with emphasis on advanced areas in development methodologies, object orientation, connectivity, and query language/optimization. Research projects in selected topics, such as distributed, knowledge base, deductive, multimedia, spatial/temporal, data warehousing, and web databases, will be developed.

COT6405: Design and Analysis of Algorithms

3

Description: This graduate-level course in the design and analysis of algorithms will cover techniques for the design of algorithms and the theory of NP-completeness. The main topics covered in the course include dynamic programming; divide and conquer; union-find data structures; graph algorithms; NP-completeness; and advanced topics.

COT6416: Computational Complexity

3

Prerequisites: COT 3210, COT 4400 or COT 5405 This is a course in structural complexity theory. The focus is on the models of computation and the structure and relationship among the important classes of computational problems such as P, BPP, NP, co-NP, and PSPACE. Results on the hardness of approximating optimization problems which follow from the PCP Theorem and the theory interactive proofs will be presented.

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Graduate Courses

Mechanical Engineering

EGN6333: Advanced Mechanics of Materials

3

Prerequisite: EGN 3331 Mechanics of Materials

Description: This course will cover general theories of stress and strain, stress and strain transformations, and principal stresses and strains. The course will also cover octahedral shear stresses, introduction to elasticity and plasticity, introduction to constitutive behaviors, and introduction to yielding and failure criteria.

EML5131: Combustion Phenomena

3

Prerequisites: EML 3100 and EML 3101

Description: This course presents the physical and chemical aspects of combustion and associated phenomena. Rate processes, chemical kinetics, chemical structure, and flame propagation and stability of premixed and diffusion-controlled combustible mixtures are covered.

EML5211: Introduction to Continuum Mechanics

3

Prerequisite: Permission of instructor

Description: The course will cover the theory of solid and fluid continua, cartesian tensor theory, and kinematics of infinitesimal deformation. Relations between stress, strain, and strain rate for elastic, plastic, and viscous solids and for compressible and viscous fluids will be studied. General equations of continuum mechanics, integral forms, and their physical interpretation will be discussed. Equations and boundary conditions for elastic and viscoelastic solids and Newtonian fluids will be studied.

EML5808: Robotics Engineering II

3

Prerequisite: EML 4313 or equivalent, EML 4806 or equivalent

Description: This course provides an introduction to control techniques associated with spatial serial and parallel manipulator

systems. Velocity and force/torque relations and resolved motion rate control for serial and parallel manipulators are covered. State-space equations of robots, controller design based on linearization, nonlinearity cancellation, optimal control, adaptive control and other methods are studied.

EML5932: Special Topics in Mechanical

Engineering

v. 1-3

Prerequisite: Permission of instructor

Description: This course will cover an in-depth study of a current mechanical engineering topic. The course content will vary each time the course is offered and will focus on state-of-the-art concepts that are not addressed in current course selections.

Repeatability: This course may be repeated for up to 6 credits.

EML6311: Modern Control Engineering

3

Prerequisite: EML 4313

Description: This course covers the analysis and design of dynamic mechanical engineering control systems. Model reference control, state-space control system design, stability, transient response, frequency response with implementation considerations are covered. Advanced topics in intelligent control including optimal control, adaptive control, and fuzzy systems, neural networks and their implementation are also included.

EML6508: Finite Element Modeling and

Analysis

3

Prerequisite: Mechanical Engineering graduate standing or permission by instructor.

Description: Students will be exposed to the theoretical background and real life applications of finite element modeling and analysis. Topics will include modeling and analysis of mechanical systems, including stiffness matrices, load and boundary conditions, degrees of freedom, and mesh techniques. In-house modeling and analysis software will be used.

EML6556: Mechanical Engineering Master's

Project

3

Prerequisite: Graduate standing and consent of instructor

Description: The student will undertake a comprehensive mechanical engineering design project conducted under the supervision of their faculty advisor. The comprehensive design project is to be chosen by the student in conjunction with their faculty advisor.

EML6809: Intelligent Planning for Robotic Systems

3

Prerequisite: Graduate standing and consent of instructor

Description: This course covers the extension of robot mechanics to trajectory generation, kinematic control, and force control of single-arm robot manipulators. Off-line path planning associated with re-configurable robotics, dual-arm robotics, and mobile robot systems is also developed. Students perform simulation projects to implement and apply course topics.

EML6900: Supervised Graduate Research v. 1-6

Prerequisite: Graduate Status; permission of instructor and department chairperson

Co-requisite: EML 6912

Description: This course is an investigation of topics in Mechanical Engineering at the advanced level.

Repeatability: The course may be repeated for a maximum of 6 credits.

EML6910: Fundamental Graduate Research in Mechanical Engineering

3

Description: Students will investigate potential research topic(s), perform literature review on the topic(s), identify a specific topic for a masters thesis, and learn how to develop a research proposal.

EML6912: Intermediate Graduate Research in Mechanical Engineering

3

Prerequisite: EML 6910

Description: Students develop a research objective, a research

methodology, and outline expected outcomes. Students are required to submit a written thesis proposal and defend their proposal to the thesis committee.

EML6933: Special Topics in Mechanical

Engineering

v. 1-3

Prerequisite: Graduate standing and permission of instructor

Description: This course will cover an in-depth study of advanced mechanical engineering topics. The course content will vary each time the course is offered and will focus on state-of-the-art concepts that are not addressed in current course selections.

Repeatability: This course may be repeated for up to 24 credits.

EML6972: Mechanical Engineering Master's

Thesis

v. 1-6

Prerequisite: EML6912 and successful Completion of Thesis Proposal.

Description: The student will conduct individual research on a topic relevant to mechanical engineering. The research topic will be chosen by the student in conjunction with their advisor.

Repeatability: The course may be repeated for up to 6 credits.

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Graduate Courses

Construction Management

BCN5036: Research Methods in Construction

3

Description: To familiarize the student with the research proposal development process and the statistical, computational, visualization and presentation tools available to the researcher. For the first half of the term, the course will run parallel to the organization of a research proposal, a research paper, or a research report.

BCN5725: Construction Project Management

3

Description: Students will study the construction management process including the following topics: Estimating, Scheduling, Safety, Quality Control, Project Delivery and Risk Management. This course is designed for students without an undergrad degree in CM.

BCN5737: Advanced Issues in Construction Safety and Health

3

Description: Students will study current construction safety and health issues and analyze ways to prevent them on construction sites.

BCN6305: Building Information Modeling

3

Description: Students will study advanced topics in Building Information Modeling (BIM) design and apply this knowledge to deliver a BIM model including enhanced communication tools and other advanced features.

BCN6315: Advanced Construction

Technology

3

Description: Students will learn how to utilize advanced technologies for construction project management. These technologies include: virtual reality, augmented reality, drone application communication and collaboration technologies and tracking technologies.

BCN6470: Production Management in Construction

3

Description: Students will study the design and construction process working to understand how improvements can be made by creating performance metrics to evaluate performance.

BCN6585: Sustainability in Construction

3

Description: Students will discuss sustainability principles applied to planning, design, operation, renovation, and demolition of construction projects. The course will place an emphasis on limiting the impacts of construction, economically and environmentally.

BCN6595: Environmental Issues in Land Development and Construction

3

This course provides an introduction to the natural, economic, political, and legal issues related to the environment that may affect land development and construction management. Topics include: issues related to sustainable development, environmental impact of land development and construction, the historical context for land use planning and environmental regulation, specific regulations affecting developers and construction managers, the process and players involved in the environmental review of developments, and practical and modern methods for construction managers to prevent or minimize the negative impacts of construction and land development.

BCN6715: Construction Labor Resources 3

Prerequisites: ECO6060: Economic Analysis

Description: This course covers advanced principles and practices of labor in the construction industry. Students will focus on productivity, labor supply and demand, wage determination and compensation, labor mobility, labor diversity, unemployment, and unions.

BCN6728: Construction Planning and Scheduling 3

Prerequisite: BCN 1252, BCN 3611. This course introduces the fundamentals and techniques of scheduling and planning for construction projects. Topics include probabilistic scheduling, critical path method (CPM) using both arrow and precedence networks, CPM calculation methods, cost-time trade-off, PERT, resource leveling, and updating schedules during construction. Students will also be introduced to Internet based scheduling application software.

BCN6748: Construction Law 3

Prerequisite: BCN 4708, BCN 4709. This course introduces the principles and practices of contract documents and construction management. Different contract delivery systems relative to construction administration and law applications are covered. Other topics include project operations relative to contract administration and alternative dispute management processes. A case study synthesizing the course topics is included.

BCN6763: Constructability 3

Description: Students will study the recurrence factor, standardization and variation reduction of a construction project to understand if it is economically sound and technically feasible. Students will analyze constructability at each of the different phases of the project.

BCN6770: Advanced Topics in Construction Management 3

Prerequisite: MBA Student standing and permission of the instructor

Description: This course involves the study of different topics not covered in the construction concentration classes that will augment the knowledge of construction for the student. The specific topic will be specified before the student enrolls in the course and will be agreed upon by the instructor and the student.

BCN6949: Construction Management

Practicum

3

Prerequisite: BCN 6728 and BCN 6748. MBA Student standing and Permission of the instructor.

Description: This course is designed to allow students the opportunity to practice acquired knowledge under careful observation of the instructor and the supervision of a professional construction manager. Students must have the practicum vetted prior to registering for the course to insure validity and the practical application to the construction industry.

BCN6970: Masters Thesis Research

3

Prerequisite: Rough draft of thesis completed.

Description: Students will gain research credit for a master's thesis delivery. This course is required for the thesis option. Students must take 6 credit hours total and must be done in in the student's final term.

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Graduate Courses

Except, Deaf & Interpreter Ed.

ASL6215: Advanced American Sign Language Conversational Skills

3

Prerequisites: SPA 6625 and SPA 4615. Advanced Conversation Skills in ASL is designed to continue development of conversational skills in American Sign Language. Students will use the vocabulary and the skills that they learned in ASL-IV as support to communicate with Deaf and to refine the grammatical and linguistic structure of ASL. This course is also a preparatory course for internship the following semester. The content of the course will focus on two parts: conversation with Deaf and culture of the Deaf. The course requires a mandatory field experience at the Florida School for the Deaf and Blind. Course may be repeated for credit.

ASL6415: Sign Communication for the Classroom

3

Prerequisite: SPA 4615. This course focuses on the educational application of the principles of sign communication within the framework of a total communication philosophy. Procedures and strategies for effective communication in the educational setting are discussed. Feedback on communicative effectiveness is provided. Field experience required.

EBD6015: Nature and Needs of Learners with Emotional Handicaps

3

Prerequisite: EEX 3202. This course addresses the etiology, characteristics, and educational needs of learners who are emotionally handicapped or seriously emotionally disturbed. Attention is given to prevention, intervention models, and available community resources. Field experience is required.

EBD6221: Behavior Management of Learners with Emotional Handicaps

3

Prerequisite: EEX 3202 and EEX 4604. This course addresses behavior management techniques designed for students with emotional handicaps. The emphasis is on the application of theories, prevention, crisis intervention, legal considerations, and counseling skills. Field experience is required.

EBD6235: Curriculum for Students with Emotional Handicaps

3

Prerequisite: EBD 3011. Curriculum, methods and media appropriate for students with emotional handicaps. Academic and social skills curricula will be addressed.

EBD6242: Advanced Strategies:Emotionally Handicapped

3

Prerequisite: EEX 3202. This course examines appropriate academic and prosocial strategies for teaching students with emotional handicaps, including motivational strategies, data-based management, and the implementation of Individual Education Plans (IEP's). Field experience is required.

EEX5053: Foundations of Exceptional Education and Services

3

Description: This course focuses on the acquisition of knowledge, skills, and dispositions for advanced study in the psychology and sociology of individuals with exceptionalities. The course examines individuals with exceptionalities in terms of cognitive, affective, and psychomotor characteristics and their functions within families, schools, and society.

EEX5095: Nature and Needs of Students with Autism

3

The course is an examination of the psychological, physiological, social, and educational characteristics of individuals who have been identified as having autism, pervasive developmental disorder, Rett's disorder, Asperger's syndrome and childhood disintegrative disorder. Focus on causes, prevalence, diagnosis and intervention will also be included. Students will encounter

conceptual readings, manuals, handouts, and research articles evaluating the utility of various methods being discussed.

EEX5297: Development and Assessment of Students with Autism

3

This course will focus on diagnostic frameworks, instruments and tests, which form the basis of diagnosing children with autism spectrum disorders. The diagnostic process in older adolescents and adults will also be covered. The use of assessment in program planning will be covered through both discipline specific and transdisciplinary procedures. The research behind the development of instruments specific to autism will be discussed.

EEX5485: Math and Science for Learners with Exceptionalities

3

Prerequisite: EEX 5053 This course is designed to give students the opportunity to learn about pedagogy and curriculum for teaching math and science to learners with exceptionalities. Students will be introduced to instructional skills in the areas of assessment, planning, implementation, and evaluation as they relate to teaching math and science. In addition, students will be able to practice many of the technical skills needed to prepare instructional materials for the classroom.

EEX5612: Principles of Applied Behavior Analysis I

3

This course that will enable the learner to meet the minimum requirement specific to the Behavior Analyst Certification Board (BACB) guidelines. The content will include: (1) ethical considerations; (2) definition and characteristics; (3) principles, processes, and concepts; (4) behavioral assessment; (5) experimental evaluation; and (6) measurement of behavior.

EEX5617: Principles of Applied Behavior Analysis II

3

Prerequisite: EEX 5612 This course examines the use of the scientific method to evaluate assessment and intervention techniques in behavior analysis. Topics include measurement

techniques, single-subject experimental design, selection of dependent and independent variables, graphical presentation and evaluation of results, ethics pertaining to human subjects and treatment implementation, and ways of communicating research results. Principles and procedures involved in the experimental analysis of reinforcement schedules, stimulus control, and stimulus equivalence are included

EEX5619: ABA in Dev Disabilities and Autism

3

Prerequisites: EEX 5612, EEX 5617 The course is designed to familiarize students with the behavior-analytic research on the treatment of individuals with developmental disabilities, including autism. The course will provide an overview of common developmental disabilities and the characteristics of autism. The primary focus of the course will be on assessment and intervention procedures and specific behavior analytic teaching methods for use with individuals with developmental disabilities. Students will encounter conceptual readings, manuals, handouts, and research articles evaluating the utility of various methods being discussed. Students are expected to participate fully in class discussions, drawing from the assigned weekly readings and relevant social and professional experiences.

EEX5665: Classroom and Behavior Management

3

Prerequisite: EEX 5053

Description: In this course, candidates are being prepared to impact the lives of children by the acquisition of knowledge and skills in behavior and classroom management and applying such knowledge and skills to learners with exceptionalities. This course provides teacher candidates with an opportunity to: (1) design, manage and maintain safe school and classroom environments conducive to learning; (2) implement teaching and intervention strategies derived from theory and best practice specifically designed to improve appropriate desirable behaviors and reduce behaviors that detract from the learning process; (3) analyze the relationship between behavior and environmental antecedents and consequences; (4) examine and apply how manipulations in environmental variables can increase appropriate behavior and decrease inappropriate behavior; and (5) explore legal and ethical

issues related to managing student behavior..

**EEX5767: Assistive and Instructional Tech
for Students with Autism 3**

This course is an overview of assistive/adaptive and instructional technology for children with autism and other developmental disabilities. Instructional Technology (IT) can be used by special educators to facilitate the delivery of instruction while Assistive/Adaptive Technology (AT) can be used to help students with autism spectrum disorders to function more independently in the classroom and beyond. The primary goal of this course is to familiarize students with existing technology (IT and AT) and the benefits it offers to individuals with various types of disabilities. A second goal is to teach students methods for evaluating the technology needs of individuals with disabilities and how to appropriately match individuals to appropriate technology. A third goal is for students to learn how to find and evaluate new technology using the internet and other resources. A final goal is for students to learn about federal and state legislation that is relevant to technology and ways to secure resources to fund technology in the classroom.

**EEX6025: Issues and Trends in Exceptional
Education and Services 3**

Prerequisite: EEX 3202, EEX 4604, and EEX 5053

Description: This course is designed for advanced, in-depth study of specific controversial topics in the field of disability and related services concerning exceptional populations.

**EEX6052: Curriculum and Instruction for
Learners with Exceptionalities 3**

Prerequisite: EEX 3202. This course addresses the nature and needs of students with emotional handicaps, specific learning disabilities and mental handicaps. Also considered are the development of Individual Education Plans (IEP's) and the adaptation of curriculum and materials to meet the need of these students with varying exceptionalities. Field experience is required.

EEX6063: Preschool Programming for the Exceptional Child 3

This course is designed to teach the development and implementation of individualized instruction for the preschool handicapped child, birth through five years of age, with emphasis on developmentally appropriate curricula, methods, and techniques.

EEX6203: Developmental Variations 3

This course addresses comparative child growth and development related to the learning and functioning of exceptional children. Interaction of medical, nutritional, and pharmaceutical interventions is a focus, as well as psycho-educational analysis of learning and development.

EEX6225: Special Education Generic Competencies: Laboratory in Evaluation 3

An extension of the student's evaluation skills to include attention to specialized tests in specific disability areas. Emphasis will be placed on translating test results into educational practice as well as stressing the skills necessary for evaluating ongoing programs.

EEX6234: Teaching Students with Moderate and Severe Disabilities 3

Prerequisite: EEX 3202, EEX 5053. This course focuses on instructional assessment and practices for teaching students with moderate and severe disabilities. The course includes a survey of the instructional knowledge-base assessment, curriculum, methods, and procedures along with a series of workshop style training sessions and structured field experiences.

EEX6239: Preschool Assessment of Exceptional Child 3

Prerequisite: EEX 6203. This course addresses both the formal and informal assessment of preschool handicapped children, birth through five years of age, with emphasis on developmentally appropriate evaluation materials and techniques. Field experience required.

EEX6256: Literacy I for Students with Exceptionalities

3

This is the first of three courses in literacy for students with exceptionalities. The purpose of this course is to prepare teachers to assess and instruct students in the six components of reading (i.e., comprehension, oral language, phonological awareness, phonics, fluency, and vocabulary) and writing for learners with exceptionalities who are emergent and early literacy learners.

EEX6259: Literacy II for Students with Exceptionalities

3

Prerequisite: EEX6256 Literacy I for Students with Exceptionalities

Description: This is the second course intended to prepare students for a reading endorsement. The purpose of this course is to prepare teachers to assess and instruct students in the six components of reading (i.e., comprehension, oral language, phonological awareness, phonics, fluency, and vocabulary) for learners with exceptionalities who are reading and writing at and above the intermediate level.

EEX6283: Social, Personal, and Career Skills for Exceptional Students

3

A course on teaching social and personal skills for exceptional students with emphasis on employability skills, career awareness, and transition planning for adult living.

EEX6301: Research in Special Education v. 1-3

A course designed to allow advanced students to analyze, interpret, and apply research findings in the classroom setting. May be repeated up to 12 credits.

EEX6402: Communication, Collaboration, and Consultation Skills for Special Education

3

This course will be focused on the acquisition of knowledge and

skills in communication, collaboration, and consultation and applying such knowledge and skills to interactions special educators have with general educators, administrators, parents, agency personnel and other stakeholders in the lives of individuals with disabilities. EEX 6402 includes the examination of specific techniques, related media, and experiences designed to equip special education teachers with skills to collaborate with school and community professionals and families to provide a necessary range of services to students.

EEX6625: Applied Behavior Analysis in Ed. and Performance Management **3**

A course on educational management of exceptional students with emphasis on classroom organization, behavior management and consultation skills.

EEX6668: Behaviorism **3**

Prerequisite: EEX 5612

Description: The course will engage the students in an examination of the underlying concepts, theories and philosophies of behavior analysis. Specifically, the course will cover a review of the history and scientific underpinnings of behavior analysis. Additionally, students will discuss types of behaviorism, such as Radical Behaviorism. Finally, students will engage in discussions of application of behaviorism to various domains of behavior, such as perception, emotion, language, etc. EEX 5612 Principles of Applied Behavior Analysis I is a prerequisite. This course will address content specific to the Behavior Analyst Certification Board (BACB) or Association for Behavior Analysis (ABAI) Task List.

EEX6669: Organizational Behavior Management **3**

Prerequisite: EEX5612

Description: The course will engage the students in the application of the science of behavior analysis within organizations. Specifically, the course will cover performance management, including supervision, performance monitoring, and performance diagnostics. Additionally, students will be introduced to behavioral systems analysis, behavioral leadership, and behavior-based

safety. EEX 5612 Principles of ABA I is a prerequisite. This course will address content specific to the Behavior Analyst Certification Board (BACB) or Association for Behavior Analysis International (ABAI) Task List

EEX6732: Facilitation of Parent Interaction 3

A course on families of handicapped students and the relationship between the family and the educational professional. Emphasis is placed on family systems theory, community resources, case management, and transition.

EEX6747: Ethics in Applied Behavior Analysis and Educational Settings v. 1-3

Description: This course covers ethical principles for behavior analysts, educators, and other human services professionals.

EEX6841: Practicum in Special Education v. 3-9

Prerequisite: Permission of program faculty.

Description: For students using this course for an internship, permission of faculty requires the recommendation of three full time faculty members in the Special Education Program.

Supervised field experience in specific disability areas.

Repeatability: May be repeated up to 24 credits.

Course Fees: \$36

EEX6848: Literacy Practicum in Exceptional Student Education 3

This practicum will enable students to demonstrate their knowledge of the components of reading, assessments of those components, and the implementation of a comprehensive, research-based reading plan for the instruction of all students. Students will demonstrate their ability to engage in systematic problem-solving processes related to literacy instruction.

EEX6849: Practicum in Exceptional Student Education: Professional v. 3-12

In consonance with the conceptual framework, this course is focused on the acquisition of the knowledge, skills, instructional and cognitive strategies, and dispositions relevant to key aspects of conceptual teaching and learning. It embraces the vision of the College of Education and Human Services that enables candidates to be active leaders and responsive partners in the study of teaching and learning within diverse learning communities. This course encourages candidates to be reflective, analytic practitioners who are well grounded in content and pedagogy.

EEX6911: Independent Study and Research v. 1-3

Prerequisite: Permission required. Supervised readings and utilization of current research findings in special education. May be repeated up to 12 credits.

EEX6936: Advanced Seminar: Current Topics in Special Education v. 3-18

This course is designed for advanced graduate students to engage in an in-depth study of topics in disability-specific related areas. May be repeated up to 18 credits.

EHD6361: Math/Science/Social Studies Instruction for the Deaf 3

Prerequisite: EHD 5341. In this course, students will learn about curriculum trends, teaching techniques, and appropriate media for teaching math, science, social studies to students who are deaf or hard of hearing. Students will learn about current curricula in use with these students. Field experience required.

EMR6256: Advanced Functional Literacy Strategies: Mental Retardation 3

Prerequisite: EEX 3202. This course provides functional literacy strategies for teaching students with mental retardation and other learning challenges which preclude high school graduation with a regular diploma. Attention is given to teaching functional literacy and life skills, developmental programming, implementation and evaluation of individual education plans (IEP's), and data-based management. Field experience is required.

INT5405: Interpreting Academic Subjects **3**

This course addresses the specialized discourse and language of educational subjects and settings and assessing language needs for students who are deaf/DeafBlind/hard of hearing. Students will examine the ethics, role, and function of interpreters in academic settings. Practical skills preparation and assessment of interpreting simultaneously in elementary and secondary school settings. Includes specialized vocabulary for STEM, geography, social studies, literary arts, vocational education and other specialized locations.

INT5408: Interpreting in Educational Settings **3**

This course will introduce students to interpreting in K-12 and postsecondary educational settings. Students will examine the framework of educational interpreting, typical developmental stages of students from early childhood through early adulthood, and varying roles and expectations of educational teams that include the interpreter. Complexities in educational interpreting and current issues, trends, and practices in the field are examined.

INT5457: Interpreting in Intercultural Contexts **3**

Description: This course explores interpreting in intercultural teams with individuals from diverse racial, economic, religious, sexual, and social backgrounds. Students will identify the role and function of interpreters within the context of these dynamics, conduct ethnographic research, and assimilate methods for applying cultural and linguistic competence to a variety of settings.

INT5800: Legacies and Leadership in Interpreter Education **3**

Description: This course introduces students to the history of spoken and signed language translator and interpreter education

from the 18th century, including key theories and people in the field as well as the social, political and legal perspectives that have influenced the development of interpreter education. Students will assess the current state of interpreter education in the U.S., identify current issues, and vision together some strategies to move the field forward. Students will learn the responsibilities of educators as leaders in the profession at regional, state, and national levels. This course introduces the social, political, and economic context in which post-secondary interpreter education operates.

INT5801: Leadership in Interpreter

Education

3

Description: This course introduces the social, political, and economic context in which colleges and universities operate interpreter education programs. Historical perspectives on the development of interpreter education programs provide students with a background for understanding characteristics of our current system and future trends. A major focus is exploring how leaders of interpreting within higher education can apply current knowledge to renew their commitment to student learning and more effectively achieve their department mission and goals.

INT5805: Mentoring in Interpreter

Education

3

Description: In this course, students will implement a mentoring relationship that applies interpersonal and communication strengths to the skill development of a prospective peer. Students will learn the necessary dynamics of a successful mentor relationship, the logistics of mentoring, and strategies for addressing challenges. They will explore profiles of successful mentors and identify goals for themselves as mentors. Students will work with mentees to analyze a variety of interpreting work samples. They will engage in dialogue with their mentee to determine which patterns should be the focus of skill enhancement activities.

INT5932: Issues and Trends in Educational

Interpreting

3

Prerequisite: INT5405

Description: This course focuses on current issues, trends, and topics that impact the work of educational interpreters in K-12 settings as they provide services and interventions to Deaf and hard-of-hearing students. The issues and challenges addressed in this course will be derived from up-to-date knowledge from research and effective practice as well as current issues and trends in the field. Topics covered may include educational policies and legislation, work of Deaf and hearing interpreting teams, language deprivation among Deaf and hard-of-hearing children, credentialing and licensure issues, advanced language development, and interdisciplinary teamwork in K-12 settings.

INT5954: Service Learning in the Deaf

Community

3

Description: This course is designed to strengthen the interpreting student's ability to acculturate to the rich linguistic and cultural characteristics of the Deaf community through civic engagement. Students will participate in structured experiential settings that are designated by the local Deaf community. Students will produce community asset maps, design a service learning project that is responsive to needs of Deaf children, and evaluate project outcomes. Students learn to critically reflect upon the learning process through journaling and faculty mentorship.

INT6207: Interpreter Training

3

Prerequisite: EHD 4311 or equivalent and permission of instructor. Develop knowledge and skill in the role, function and responsibilities of interpreting for deaf people. May be repeated up to 6 credits.

INT6274: Advanced ASL Concepts for Interpreters

3

Description: In this course, students will have an opportunity to improve their ASL skills, both expressive and receptive, in order to communicate more effectively in personal and professional

interactions. Students will review the salient features of ASL and rules or usage. They will demonstrate the ability to incorporate those features in consecutive and simultaneous interpreting. The course allows students to develop skills for assessing their own ASL fluency while interpreting texts of dense content and complex cultural features.

INT6276: Teaching Cognitive Processing **3**

Prerequisite: INT 5275

Description: This course presents interpreting and translating process from the perspective of interpretation pedagogy and introduces students to the key concepts of comprehension and working memory, self-assessment of fidelity, cognitive capacity, language availability, and effort models. The course prepares students to integrate interpreting theory into interpreter education through personal skill acquisition and curriculum development.

INT6415: DeafBlind Interpreting **3**

Description: This course provides an academic foundation for interpreting students to work with people who are DeafBlind and who require skilled interpreters for a variety of access modes. Students will learn how to interpret within a restricted field of vision at various distances and use Tactile American Sign Language and haptic systems for providing comprehensive environmental access. The course prioritizes the unique thought worlds and cultural perspectives of DeafBlind individuals over their medical conditions, and students study the relationship of diverse communication techniques that impact a person's life quality to employment, socialization, mobility, leisure, and autonomy. Students study complementary skills needed by professional DeafBlind interpreters, such as guiding, environmental orientation, and visual description during the interpreting process.

INT6425: Legal Interpreting **3**

Description: In this course, students will develop a knowledge base regarding the American legal system, sources of legal rights, and key pieces of legislation. They will research best practices and the wide range of legal settings, and consider how to provide

meaning-based interpretation of legal texts in five of these settings. Students will then apply this foundation to the production of equivalent linguistic and cultural translations and interpretations in specific legal texts/settings.

INT6435: Mental Health Interpreting

3

Description: In this course, students will develop a knowledge base of diagnoses and institutional systems encountered in mental health settings as well as demonstrate an understanding of the legal provision of interpreters and the application of HIPAA requirements and Code of Professional Conduct expectations. Students will then apply this foundation to the production of equivalent linguistic and cultural translations and interpretations in specific mental health settings. Study units include: 12-Step programs, individual, couples and group counseling, community-based and in-patient treatment programs.

INT6436: Healthcare Interpreting

3

Description: This course involves developing a knowledge base of medical terminology and biological and institutional systems encountered in healthcare settings as well as the legal and ethical foundation for interpreter qualification. Students will apply this knowledge base to equivalent linguistic and cultural interpretations in specific healthcare settings with emphasis on substance abuse and addiction, systemic health conditions, and end-of-life palliative care.

INT6802: Methods for Teaching Interpreting

3

Description: This course addresses various strategies for teaching consecutive and simultaneous interpreting skills to novice interpreting students. The three areas of concentration are (1) interpreting consecutive dialogue, (2) interpreting simultaneous dialogue, and (3) interpreting simultaneous monologue from English to ASL and from ASL to spoken English. Students learn how to scaffold skill sets when developing interpreting methods courses so their students will achieve the program's exit competencies and be prepared for workforce entry. The course

requires students to apply interpreting models and philosophies to instruction and reinforcement of interpreting skill acquisition.

INT6806: Interpreter-Deaf Community

Alliance

3

Description: This course is designed to strengthen the student's ability to acculturate to the rich linguistic and cultural values of the Deaf community through civic engagement. Students will learn how to instill in their own students the personal responsibility of interpreters as Deaf community allies. Students will contribute to empowerment of the Deaf community and participate in structured experiential settings that are identified using an asset mapping approach to community need identification. Students will evaluate publications and curricula that are relevant to infusing interpreting programs with materials that address social justice and intercultural communication with consumers of interpreting services. Issues around the role and boundaries of a professional interpreter are approached from the perspective of Deaf community members.

INT6807: Teaching Translation

3

Description: This course introduces key concepts in translation and teaching translation for signed language interpreters. Daniel Gile's Effort Models form a framework for applying theory to practice as translators and teachers of translation. Students will translate passages of varying levels of difficulty between ASL and English. They will apply translation strategies such as preparation, text analysis, message transfer, reformulation, and testing the translation. Students will be guided in developing and refining techniques associated with discussing translations, creating and analyzing translations, and developing lesson plans for teaching translation.

INT6810: Curriculum Development and

Revision

3

Description: This course is designed to introduce interpreting students to the multi-dimensional process of curriculum design, its

interface to instruction and the critical nature of review and revision. The central learning experience includes the creation of a model interpreter education curriculum using the “backwards design” development approach. Students will learn how to integrate valid and reliable assessment into curriculum development. An emphasis is placed on the examination of curriculum through a global perspective that is intended to prepare students to meet the expectations of the Commission on Collegiate Interpreter Education (CCIE) standards as well as equip them to compete in a competitive market.

INT6811: Performance Assessment

3

Description: This course addresses the assessment of interpreting student performance in a variety of tasks, including interactive interpreting performance, application of ethics to interpreting decision-making, and utilizing the Demand-Control Schema to self-assess one's interpreted product. Students learn how to teach self-analysis techniques that identify and remedy aspects of the interpreting process, including nonmanual markers, spatial relationships, utterance boundaries, and grammatical accuracy. Emphasis in this course is on the use of non-evaluative language when evaluating the dispositions and work of novice interpreting students and assessing the product and cognitive process used by the interpreting student.

INT6830: Adult and Transformative Learning in Interpreter Education

3

Description: Students are introduced to the body of knowledge concerning adults as learners by focusing on the principles of adult and collaborative education, determining learning styles, and selecting appropriate instructional techniques for. Students will review variables that affect adult learning, motivation techniques, appropriate training methodologies, and reinforcement of learning. Connections to the preparation of interpreters as adult learners will be made.

INT6840: Distance Learning in Interpreter Education

3

Description: Students in this course will examine current best practices in distance learning and effective teaching skills for both distance and face-to-face instruction. The course covers topics that include designing modules with objectives that can be assessed online, preparing interpreters in distance and hybrid delivery programs, promoting online collaboration, incorporating methods that engage remote students, and assessing student knowledge and skills.

INT6911: Applied Research in

Interpretation

3

Prerequisite: EDF 6480

Description: This course introduces students to current research in the field of spoken and signed language interpretation and directs students in conceptualizing research projects. Students are instructed about research ethics involved in social science research and they will become certified to conduct research with human subjects. Informed Consent and other requirements of the Institutional Review Board (IRB) process for research approval are covered. Students are mentored through topic investigation, problem identification, research design, and literature review. The goal of the course is for students to become critical consumers and practitioners of research applicable to the interpreting profession. This course measures mastery of written English competency, academic use of ASL, logical concept development, critical analysis of the literature, and cohesion in writing and presentations.

INT6930: Special Topics in Interpreter

Education

3

Description: This course focuses future interpreter educators on current topics that impact the development, maintenance, and accreditation of interpreter education programs as they strive to meet the needs of a growing profession. Current issues and challenges addressed in this course include preparation of students to work as remote interpreters, formation of teams with Deaf interpreters, accreditation, international awareness of access initiatives, and admission testing. The course provides an open forum for overcoming challenges such as recruitment and

retention of diverse student populations, providing mentorships for program graduates, and ensuring programs provide access and opportunity to aspiring Deaf interpreters.

INT6942: Pedagogy Internship

3

Prerequisites: INT 6911, INT 6840, INT 6810, and INT 6830

Description: This course requires students to synthesize previous coursework into teaching experiences and evidence-based course development. Students will participate in a “visiting faculty” capacity within an interpreter education program and consult with an academic mentor. The course is competency-based in the areas of instructional design, proposal development, content delivery, self-assessment, and professional development strategies.

INT6946: Interpreting Internship

3

This course is field-based and requires supervised, mentored experiences in the field as an interpreter. Through this internship, students have ongoing opportunities to apply classroom learning and theory with real-world interpreting. The course requires field-based experience.

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Graduate Courses

Teaching, Learning & Curric

EDE6205: Effective Practices for Differentiating Instruction

3

This graduate course prepares advanced educators to meet the social, physical, and cognitive needs of students through the differentiation of instructional techniques, content and curriculum, and assessment tools. Graduate students will learn both practical skills for implementing differentiation in the classroom as well as theory to support this practice.

EDE6225: Elementary School Curriculum and Instruction

3

Description: This course explores the theories, methods, and procedures underlying the development and design of curriculum and instruction and the interrelationships among curriculum, instruction, and assessment supporting best practices in the elementary school.

EDE6935: Special Topics

3

This graduate course enables study of special topics related to the education of children. It may be repeated with a change of content for up to a maximum of 9 credits (3 different three-hour classes).

EDF6211: Advanced Educational Psychology

3

This course is a Master's level course for teachers focusing on classroom applications of behavioral and cognitive views of learning, learner development, learner diversity, motivation and effective instruction.

EDF6237: Principles of Learning and Introduction to Classroom Assessment

3

Description: The purpose of the course is to provide pre-service teachers with an overview of theories of learning and assessment, practices inside and outside the classroom. This course covers major theories of learning (Behaviorism, Social Cognitive Theory, Cognitive Constructivism, Social Constructivism, Socioculturalism, and Information Processing Theory), as well as motivation and development of learners. These theories will be contextualized to classroom and educational applications. This course also includes both formal and informal assessment processes that are intended to help teachers develop a framework of assessment for their classroom and understand the broader framework of state mandated assessment. Assessment processes that promote fairness toward members of cultural minorities, students whose first language is not English, and learners with exceptionalities are included.

EDF6442: Assessment in the Curriculum 3

An in-depth study in the application of principles and methods of assessment. Focus on alignment of the curriculum, instructional methods, and evaluation; construction, administration, and interpretation of measurement instruments; research on published standardized tests; and utilization of technology.

EDF6687: Foundations of Multicultural and Urban Education 3

Description: This course examines frameworks for deconstructing teaching and learning in urban school contexts. Students will examine myths, misconceptions, and instructional and institutional practices that influence the opportunity and achievement gaps for students-of-color and those who live in poverty. Emphasis is placed on understanding critical race theory, communities as funds of knowledge, and culturally responsive schools and classrooms that promote equity and social justice for all learners.

EDG6067: Introduction to Teacher Inquiry 3

Description: This course provides the foundational tools of teacher inquiry for graduate studies in education and prepares graduate

students for further action research in which the educator engages in a reflective examination of their own practice. Students will compare models of teacher inquiry, discussing the theoretical frameworks from historical and contemporary perspectives. They will also engage in teacher inquiry in their professional contexts.

EDG6070: Teacher Thinking and Decision

Making In School Settings 3

This course provides the field-based participants with the knowledge and skills necessary to understand their curricular and instructional decision making for continuous improvement of teaching.

EDG6250: Instructional Strategies in the

Curriculum 3

This course is a graduate level course designed for inservice educators and post baccalaureates who are working toward state teacher certification in Secondary Education. The course focuses on two areas of the teacher's professional role: Instructional planning and instructional delivery. The course is designed to enable teachers to guide students in their development as whole persons, helping them to learn through direct and varied forms of encounter with the world as a foundation for clear, rigorous thinking; to bring all the resources of the culture to help them experience meaning, identity, purpose, and responsibility in the whole of life.

EDG6325: General Education

Competencies Models of Teaching 3

Investigation, discussion, and implementation of curriculum models as they apply to current education, including an analysis of their philosophical, historical, and psychological foundations.

EDG6348: Coaching and Mentoring for

Effective Teaching and Instruction 3

Description: This course is designed as an introduction to instructional coaching, a form of job-embedded professional

learning focused on improving instructional practice in order to improve student learning. It is intended for educators who want to collaborate with a colleague in peer coaching structures and for teacher leaders who want to understand the power of job-embedded coaching. Participants in this course will apply the coaching cycle in an embedded practicum.

EDG6407: Managing Effective Learning

Environments

3

This course is structured around four key components: (1) a broad-based theoretical understanding of the attributes of positive effective learning environments; (2) pedagogical and professional knowledge regarding the needs of students as they relate to positive student social maturation and cognitive growth; (3) a systematic and focused continuum of effective strategies for obtaining desired goals that are appropriate to the students, learning context, the specific instructional intents, the teacher's beliefs, existent skills, and knowledge; (4) a philosophical foundation that supports the development and application of the dispositions appropriate to the profession in all stages of preparation. The course is designed to provide both theoretical knowledge for future cognitive growth, but also to develop management strategies and plans for immediate implementation.

EDG6415: Principles of Instruction and

Classroom Management

3

Description: This course provides a foundation for pedagogical and professional knowledge based upon research, thoughtful discussion, reflection and inquiry. As a culturally responsive classroom management course, there is an emphasis on the development of knowledge about the cultural backgrounds of students and families, congruent and nonverbal communication practices, culturally appropriate management strategies, examining one's own assumptions, and the creation of caring, respectful classroom communities that ensure the physically and emotionally safety of all. Specifically, this course addresses the challenges and opportunities in creating effective learning communities in the increasingly diverse classrooms in U.S. public secondary schools.

EDG6427: Teacher Inquiry for Internship**v. 1-6**

Description: The focus of this course is on the development of a systematic form of inquiry that is collective, collaborative, self-reflective, critical, and undertaken by graduate students. The course provides the opportunity for pre-service teachers to acquire skills in question development, data collection, data analysis, and the interpretation and presentation of results. Emphasis is on the classroom as a context for conducting teacher research to: a) increase understanding, b) solve classroom problems, and c) contribute to the body of knowledge about teaching and learning. Students also examine applications of action research in educational decision-making and policy development.

EDG6632: Multicultural Content in School**Curriculum****3**

Emphasis is upon developing curriculum units that infuse multicultural content in the school curricula for art, music, literature, social studies, science and mathematics. Emphasis is on ancient and modern cultural contributions of African, Asian, Hispanic, Native American and other cultural and ethnic groups.

EDG6757: Teaching Linguistically Diverse**Students****3**

A study of the theories, practices, and methods of constructively using the school students' first language as the basis for mastering standard English. Emphasis is placed upon Black English as a sociolinguistic system, principles of teaching English as a second language to non-native speakers of English, and verbal and nonverbal communication as sources of cultural conflict in the classroom. African American, Hispanic American, Asian America, and other linguistic heritages are included.

EDG6906: Individual Study and Research**v. 0-3**

Consent of division chair or specific faculty member required. May be repeated up to 24 credits.

EDG6923: Curriculum Readings **3**

Prerequisite: Culminating Experience/Chair Signature. A culminating master's degree course designed to synthesize the major components of the Curriculum and Instruction graduate program.

EDG7224: Advanced Perspectives on Curriculum **3**

Description: This course deepens students'™ understanding of curriculum and analyzes historical and contemporary theories, issues, and trends from multiple perspectives including social justice and equity.

EDG7282: Policy and the Role of the Educational Leader **3**

Description: This course examines issues related to educational policy and reform from the perspective of educational leaders. Course topics include the history of educational policy development, frameworks for educational policy making, processes for analyzing educational policy, issues regarding the implementation of policy, and methods of policy research and evaluation

EDG7359: Facilitating and Designing Professional Learning **3**

Description: This course introduces students to current theories and practices in professional learning and examines the role of leadership in professional learning. The course examines broader relationships between professional learning, education policy, and practice. Students will develop the pre-requisite knowledge, skills, and abilities needed to facilitate, evaluate, and study effective professional learning through inquiry.

EDG7932: Advanced Seminar in Instructional Assessment **3**

Description: This course focuses on evidence-based assessment of learning drawing upon learning and instructional theory and models, of effective teaching. Emphasis will be placed on the use of data for continuous improvement and program evaluation.

EEC6205: Curriculum and Instruction in Early Childhood Education 3

Classroom organization and teaching strategies for teachers of primary aged children.

EEC6261: Program Planning for Infants, Toddlers, and Young Children 3

Description: This course provides students with an understanding of culturally, linguistically, and developmentally appropriate programs in community settings providing services to infants, toddlers, young children, and their families. It emphasizes the importance of understanding the nature of infants, toddlers, and young children, and how they learn, with a focus on understanding the developmental domains. Special emphasis is put on the necessity of understanding the infant, toddler, and young child in the context of his or her family and community.

EEC6611: Early Childhood Education 3

Theoretical bases and resultant trends in the developmental programs for primary aged children.

EEC6756: Social-Emotional Learning and the Young Child 3

Examine the importance of social-emotional learning and the young child (ages 0-8). The scope of the course will include: defining emotions, exploring how children develop socially and emotionally, defining an emotion-centered curriculum, exploring the connections between social development and other domains of development: cognition, language, and adaptive. We will pay particular attention to the role that parent-child and teacher-child interactions play in the normative development of children's social

competence.

EEC6944: Practicum in Early Childhood

Education **3**

Prerequisite or corequisite: EEC 6611, EEC 6205. Observation and interpretation of classrooms for primary aged children. The student will select special topics related to effective practices for teachers of young children.

ESE6215: The Secondary School

Curriculum **3**

In-depth reading and discussion of the curriculum organization and operation of the secondary school (grades 6-12).

ESE6947: Professional Internship **v. 1-6**

Description: (Competencies in management, assessment, and instructional strategies are necessary for completion of this culminating experience.) Designed as a culminating experience, this internship allows the student the opportunity to teach under the supervision of a master teacher and university faculty. Instructor permission required.

IDC6015: Computational Thinking in

Elementary STEM Plus C Environments **3**

Description: This course introduces students to strategies for fostering learners' computational thinking using problem solving, introductory coding, and digital tools in elementary environments.

LAE5330: Teaching Shakespeare's Plays **3**

Prerequisite: Equivalent of Baccalaureate Major in English. This course allows teachers to expand their repertoire of knowledge and teaching strategies for presenting Shakespeare's plays in interesting and challenging ways to their students. Plays from all periods and modes are included. Research and development required.

LAE6319: Language Arts Methods for Elementary Teachers **3**

The language arts in the elementary curriculum. Methods for integrating communication skills development across the curriculum are emphasized.

LAE6338: Teaching Writing 6-12 **3**

Prerequisite: Undergraduate degree. This course is designed to facilitate the acquisition of skills in teaching writing, grades 6-12. Students will assess factors contributing to secondary pupils' success in learning to write, via their own research and by experiencing and reflecting on stages of the writing process.

LAE6339: Special Methods in Teaching English **3**

Prerequisite: Regular English teaching certificate. (Florida or its equivalent). An advanced analysis of the instructional methods, materials, curriculum, and research related to teaching secondary level English.

LAE6415: Teaching Literacy with Children's Books **3**

An analysis of children's literature and its place in the elementary program.

MAE6317: Teaching Elementary Mathematics Using Technology **3**

Prerequisite: Completion of specialization requirements for elementary education.

Description: The focus of this course is on the application of virtual and physical mathematical manipulatives to link conceptual and procedural learning outcomes at the elementary level (K-6). Students will learn to meaningfully integrate mathematics with other subjects using a problem-solving approach.

MAE6318: Mathematics for Elementary

Teachers **3**

An extension of competencies in mathematics instruction in the elementary grades.

MAE6336: Special Methods in Teaching

Mathematics **3**

Prerequisite: Regular mathematics teaching certificate (Florida or its equivalent). An advanced analysis of the instructional methods, materials, curriculum, and research related to teaching secondary level mathematics.

RED5846: Practicum in Reading **v. 1-3**

Prerequisites: RED 3310, RED 3311. Demonstration of reading teaching competencies in the school setting.

RED6096: Literacy Coaching **3**

Description: This course is designed to teach candidates how to be successful literacy coaches. Candidates will learn about the theory and practices current coaching models rely on to support and strengthen teachers' literacy instruction. Research and theory addressed in the course will focus on the intersection of the following fields: adult development, professional development, relationship between teacher quality and student achievement, teacher change, and school improvement.

RED6303: Building Literacy through Play **3**

Description: This course focuses on the value of play on literacy learning for early childhood through the intermediate grades. Theory, research, and methods for teaching language and literacy through play and interdisciplinary learning will be covered. Topics will include intentionality, differentiation, critical literacy, and culturally and developmentally appropriate standards-based creative arts integrated learning experiences for all students.

RED6334: Content Area Reading

(Graduate)**3**

Description: Students will be able to define the different characteristics of decoding versus reading as an active, meaning-making strategy. They will learn how to recognize students' cultures, interests, and reading abilities and adapt ways of scaffolding texts to better meet the former. They will learn both how to compute and to use readability measures to match and scaffold texts to better fit with students' respective Zones of Proximal Development (Vygotsky).

RED6345: Motivating Reluctant Readers**3**

Description: This course focuses on understanding the importance of motivation when teaching reluctant readers and exploring motivation theories and constructs. Additionally, this course will address how teachers can implement practices that support motivation in elementary and secondary classrooms. Topics will include exploring definitions of "reluctant readers," creating contexts for motivation, using rewards to motivate reluctant readers, and discovering books that can motivate reluctant readers to want to read.

**RED6347: Reading as Communication in
Whole Language Classrooms****3**

Reading as communication is viewed as a part of a continuum of literacy learning processes involving listening, speaking, writing, reading and thinking. Teachers are encouraged to become professional decision makers who create learning environments which encourage risk taking and value learning processes as highly as literacy encounter products.

**RED6349: Teaching Literacy through
Storytelling****3**

Description: The course focuses on teaching literacy Pre-K-12 through storytelling. It is a study and application of narrative and performance for developing speaking, listening, reading, and writing skills.

RED6395: Adv Reading

Assessment/Implementation of Reading

Programs

3

This course will focus upon the administration and interpretation of instructional assessments with instructional strategies and materials based upon scientifically-based reading research for the prevention and remediation of reading difficulties. Students will be taught knowledge and skills to implement school reading programs based upon evaluations using a variety of assessments measuring student achievement, teacher effectiveness, and scientifically-based reading research. Specifically, students will learn how to select research-supported reading materials and strategies designed to impact student achievement. They will learn techniques and procedures for maintaining assessment-driven classroom and school-wide reading programs.

RED6546: Diagnosis of Reading

Disabilities

3

Prerequisite: RED 3310 or equivalent and reading teaching experience.

Description: Study of reading as a language process; diagnosis of reading strengths and weaknesses based on measurement and evaluation instruments, resulting in the preparation of a complete diagnostic evaluation.

RED6548: Remediation of Reading

Disabilities

3

Prerequisite: RED 6546. Use of miscue analysis to investigate qualitative and quantitative diagnostic information and sources of activities for reading instruction, diagnosis, prescription, and formative evaluation.

RED6656: Advanced Foundations of

Reading

3

Presents reading as a language process; also presents models, materials, and skill development used in reading instruction; explores reading instruction in terms of historical perspective,

trends, innovation, and technology.

RED6657: Language and Cognitive Foundations for Reading

3

In consonance with the School of Education conceptual framework this course will be focused on the acquisition of knowledge skills, and dispositions for the successful teaching/learning of reading in the classroom. This course is an advanced analysis of English language structure as it relates to literacy development, language development in native language and English as a second language, theories of language, research in language development, and the issues and experience important to language development as the foundation of reading.

RED6698: Teaching Critical Literacy

3

Description: With a focus on empowering both teachers and students to better understand a more media-rich, textually diverse literacy climate, this course will explore the theory and the rationale for teaching critical literacy in modern classrooms. Along with learning the theory and rationale for why critical literacy pedagogy is critical in a more media-rich, textually diverse literacy climate, this course will also address how teachers can begin to implement critical literacy theory in their own classrooms.

RED6796: Literacy Research, Issues and Trends

3

Description: This course reviews significant research in literacy and its effect on literacy practices in schools. Participants learn to critically analyze literacy/reading research, review and compare trends in development of materials, approaches and reading programs. Special attention will be given to policies and public opinion that have impacted literacy practices in contrast to research evidence and why this has occurred.

RED6906: Directed Individual Study in Reading

v. 1-3

Prerequisites: RED 6656, graduate reading emphasis major and division approval. Individually directed study of topics related to reading instruction. May be repeated for credit.

SCE5465: Science, Technology and Society **3**

This course examines instructional methods, materials, and curricula for teaching the sciences within a context that considers the interaction of science, technology, and society. It is used for science certification and in graduate program of study.

SCE6117: Science for Elementary Teachers **3**

Advanced study of content, resources and processes used in science programs in the elementary school.

SCE6337: Special Methods in Teaching Science **3**

Prerequisite: Regular teaching certificate in the science area (Florida or its equivalent). An advanced analysis of the instructional methods, materials, curriculum, and research related to teaching secondary level science.

SCE6735: Trends and Issues in Elementary Science Teaching and Learning **3**

Description: This course explores research and current trends in elementary science teaching and learning, including an emphasis on three-dimensional learning, inquiry, and problem-based learning.

SMT6316: Developing Creativity and Innovation in Elementary STEM Classrooms **3**

Description: This course emphasizes the role of inquiry, creativity, and innovation in elementary STEM classrooms. Strategies for the development of creative thinking and innovation are discussed.

SMT6615: Engineering in the Elementary

Classroom

3

Description: This course provides elementary teachers with an introduction to engineering, the engineering design process, and strategies for highlighting engineering in the elementary STEM classroom.

SSE6318: Social Studies Methods for

Elementary Teachers

3

An examination and assessment of current emphases and strategies for social studies instruction in the elementary program.

SSE6385: Special Methods in Teaching

Social Studies

3

Regular teaching certificate in the Social Studies area (Florida or its equivalent). An advanced analysis of the instructional methods, materials, curriculum, and research related to teaching secondary level social studies.

TSL6142: ESOL Curriculum Development

3

A review of theories, principles, research, and instructional practices related to first and second language acquisition. Instruction of Limited English Proficient students will be emphasized and issues of curriculum development and evaluation will be applied to development and modification of curriculum materials.

TSL6245: ESOL Language and Literacy

Development

3

Description: This course provides a comprehensive overview of the important theories and research in language and literacy development and their teaching implications for English language learners (ELLs) and English for speakers of other languages (ESOL), bi-/multi-lingual, or heritage language learners , with

major emphasis on second language (L2) language and literacy development. It examines various factors that influence ESOL language and literacy development including first language (L1) influence. It explores various teaching and assessment strategies that will help teachers maximize the learning potentials of ESOL learners.

TSL6254: Applied Linguistics and Grammar for Educators

3

Description: This course examines elements of English grammar, concentrating on parts of speech and sentence structure. A descriptive rather than a prescriptive approach is taken. The focus is on understanding modern Standard English usage. In addition, attention is paid to the major concepts in linguistics that relate to how languages work and how they can be described. Students gain knowledge of the various components that make up the system of any language, but investigate the English language in depth. Topics covered include phonetics, phonology, morphology, syntax, and semantics. These concepts and concerns are studied with an eye toward their practical application to teaching students who are English language learners.

TSL6325: TESOL Methods: Content Instruction

3

Description: This course focuses on helping emergent bi-/multi-linguals construct meaning in classroom literacy and content-instruction activities in content areas in all grade-levels and beyond. In this course, candidates examine language teaching methods and models, and effective, integrative instructional practices in the teaching of content area subjects to the emergent bi-/multi-linguals. This course also explores curriculum standards, methods and practice of assessment for English language learners, including the in-depth discussion of language proficiency assessment, classroom-based assessment, and identification of English language learners; ESOL and special education; instructional design and classroom management appropriate for content specific classrooms in which emergent bi-/multi-linguals are participants. This course is required for all TESOL candidates. A minimum of 15 hoursâ€™ fieldwork and community service

activities in ESOL/bi-/multi-lingual settings is required.

**TSL6345: Methods of Teaching in ESOL
and Bilingual Settings** **3**

Prerequisite: Teaching certificate or admission to the COEHS.
This course is an examination of issues and methods for teaching English as a second language in grades K-12 and adult education programs. Techniques and strategies for teaching the communication skills of listening, speaking, reading, and writing will be emphasized.

TSL6440: Assessment in ESOL Settings **3**

Prerequisite: Teaching certificate or admission to the COEHS.
This course is designed for teachers working in settings serving students whose native language is not English. Assessment issues involving placement, diagnosis evaluation, use of traditional assessment instruments and procedures, and use of alternative assessment methods will be explored.

**TSL6525: Cross-Cultural Communication
and Knowledge** **3**

This course is a study of multicultural issues for ESOL teachers. Emphasis is on developing cultural awareness, applying cross-cultural knowledge to classroom management and instruction, understanding sociocultural influences on identity development, and understanding values, beliefs, customs, lifestyles, and non-verbal communication of non-native and dialect speakers of English.

**TSL6700: Issues in ESOL for School
Counselors** **3**

This course provides an overview of key issues related to the schooling of English Language Learners (ELLs) and struggling readers as they affect school counselors. Emphasis is placed on such dimensions of diversity as culture, ethnicity, race, language, social class, exceptionality, gender, age, sexual orientation and their implications for educational policy, curriculum, and methodology.

TSL6915: Directed Individual Study and Research

3

Prerequisite: EDF6480 or EDG6911

Description: During this course, teacher candidates analyze recent research literature and conduct research related to TESOL. Teacher candidates examine TESOL-related research to promote their construction of meaning in order to make informed instructional decisions that help English language and content learning of English language learners (ELLs). Students write a review of literature and/or conduct a research study in a chosen area. Department permission is required to take this class.

TSL6940: TESOL Practicum

v. 3-6

Description: This course requires teaching experience in the field with English Language Learners. Peer and instructor class observations and coaching sessions will be given during weekly seminar-style meetings and in the field. Practicum students' structured experiences in classroom observations, lesson planning, and assisting/facilitating lessons for ELLs, will be based on current research and practices in TESOL (Teachers of English to Speakers of Other Languages). Candidates and the practicum instructor collaborate with various ESOL programs in the community to facilitate the practicum for the candidates.

TSL6945: Professional Internship in TESOL

3

Prerequisite: TSL6940

Description: This course provides teacher candidates with an opportunity to draw upon and integrate the knowledge, skills, and dispositions from coursework into a supervised teaching internship. The course is designed to offer knowledge that informs curricular and instructional decisions in order to plan supportive environments for English Language Learners (ELLs). Through this internship experience, candidates will be given the opportunity to examine the influences of the (a) curriculum and subject matters, (b) teachers, (c) ELLs, (d) parents, and (e) external influences on teacher decision-making. This course is recommended for students who want advanced, practical teaching experiences with ELLs beyond the TSL 6940 TESOL practicum. Department permission is required to take this class.

Graduate Courses

Ldrshp, Sch Counsel, Spt Mgmt

EDA6061: Introduction to Educational Leadership for Social Justice

3

Description: The course includes an investigation of educational leadership as a profession and the role of education in American culture. Students review literature covering roles and contexts that school leaders experience from a Social Justice lens. This course will prepare students to serve as leaders who can demonstrate effective diversity leadership for all students, including students of all races, students who are linguistically diverse, students with disabilities, students from low-income families, and students along the gender/sexual identity spectrum and their intersections. Topics of race, culture, equity, and shifting from a deficit-based to proactive education from a leadership perspective will be explored.

EDA6191: Team Leadership

3

Description: This class provides students with an introduction to developing high performance work teams, leading work teams, and improving organizational teamwork in schools and other learning organizations.

EDA6196: Leadership for Learning Organizations (Operational Leadership II)

3

Within this course, students will be introduced to the world of leadership through extensive investigations regarding major responsibilities of leaders. We will explore organizational behavior theories to provide a framework for making change within organizations.

EDA6215: Developing School and Community Resources (School Leadership

Description: This course provides students the opportunity to explore the role of the educational leader in building school and community relations, emphasizing the need to involve diverse community stakeholders in the development of effective schools. Emphasis is given to planning programs and marshalling resources to build both human and social capital in school communities. The applications addressed are interpreting policy, identifying needs, setting goals and objectives, planning programs, using technology to build partnerships, understanding school constituencies, and selecting appropriate communication tools.

EDA6232: Law and Ethics in Ed Leadership (Operational Leadership III)

3

Prerequisite: EDA 6061

Description: This course involves the study of constitutional, statutory, and case law. These three areas of law are examined in the course, especially as they relate to the organization and operation of public education in the United States in general and Florida in particular. The course is also a study of rules and regulations formulated by federal, state, and local agencies. Emphasis is placed on the legal process, legal reasoning, as well as legal rights, duties, obligations and responsibilities of educators, especially school leaders who work in the state of Florida. Students are given practical experience through structured activities as the course emphasizes the knowledge, analysis, and application that explores a range of leadership competencies including organizational sensitivity, problem-solving, decision-making, case scenarios, and leading small and large group meetings such as 504, ESE, ESOL, and others.

EDA6242: School Finance (Instructional Leadership III)

3

Prerequisite: EDA 6061

Description: This is a general course focused on addressing the financing of public elementary and secondary education in the United States. The course examines current economic theories,

sources of revenues, and trends in the fiscal structure and operations of public education. This course will present the implications of education finance policies as a public good for society. Upon the completion of the course students will be able to manage the public school organization, operations, and resources to promote safe, efficient, and effective learning environments. Throughout this course students will discuss the investment of public funds to society.

EDA6271: Technology and Educational Leadership (Operational Leadership IV)

3

Description: The goal of this course is to provide students with knowledge, skills, and dispositions enabling them to use technology effectively as school leaders. The primary objective is demonstrating skills in the appropriate application of technology in the teaching and learning process and in the leadership, supervision, and administration of the school. The course emphasizes basic computer applications, issues in technology, and educational management systems.

EDA6910: Individual Study and Research

v. 0-3

Prerequisite: Consent of instructor

Description: This course is for students who wish to undertake an individual project related to administration and supervision.

Repeatability: This course may be repeated with change of content up to a maximum of 18 credits.

EDA6945: Practicum in Educational Leadership

v. 1-9

Prerequisite: EDA 6061, EDA 6215, EDG 6625, EDS 6130, EDA 6196, EDA 6232, EDA 6242

Description: The primary purpose of this course is to link the theoretical and philosophical frameworks of educational leadership to practice in the field. The course requires students to perform in field settings as an assistant to an organizational leader. This course is one in the required professional development sequence leading to Florida certification in educational leadership.

Repeatability: This course may be repeated up to a total of 9

credits.

**EDA7190: Leadership for the Evolving
Leader**

3

Description: The course explores the history of organizational leadership across cultural and political boundaries while examining the continuing influence of classical and modern organization. Using leadership theory and practice the course studies contemporary policies and practices of educational leadership. History, theory, research, and practice are utilized to frame the evolving images of leaders and organizations.

**EDA7192: Collective Leadership in
Organizations and Communities**

3

Description: Students enrolled in this course focus on the interpersonal aspects of leadership and they will examine research principles and the practice of effective group/team dynamics. There is extensive attention given to group/team roles and functions, issues of group/team development, cohesion, communication, conflicts and conflict resolution. The enrollment is limited to students admitted to the doctoral program.

**EDA7193: Educational Leadership for
Change**

3

Description: This course explores the relationship between organizational change and leadership. Students will engage in theoretical and research-based readings, discussions, and activities regarding change, innovation, leadership, organizational theory, and institutional assessment. This knowledge will enable students to better plan, communicate, and lead change efforts in educational organizations

EDA7194: Seminar in Educational Policy

3

Description: his course will explore current and historical trends

educational politics and policy, addressing both K12 and Higher Education. The course will examine educational policy making, analyze policy, and discuss policy implementation. Emphasis will be placed on the role of educational research to influence educational policy and how educational leaders can participate in and influence educational policy.

EDA7400: Research in Education:

Quantitative Method

3

Description: This course is a close examination of the major approaches to quantitative research in education and critical analysis of their appropriateness and strengths in studying research questions in applied contexts. Enrollment is limited to students admitted to the doctoral program. This course provides an introduction to basic research design as well as quantitative methods for analyzing and interpreting results of correlational and experimental studies in education and related disciplines. Emphasis will be placed on relations between various statistical procedures as well as on the application of statistical software in conducting and interpreting analyses. Students will be expected to run the various statistical procedures in programs like Microsoft Excel and IBM SPSS given relevant data sets and write up summaries of the results.

EDA7410: Research in Education:

Qualitative Method

3

Description: The purpose of this course is to introduce students to the theories and practices of qualitative inquiry and includes a close examination of major approaches to qualitative research related to educational leadership. Qualitative researchers are interested in constructing in-depth descriptions of educational phenomena by spending time in the field and eliciting the meanings individuals give to different educational contexts, issues, and problems. From this course students will develop the skills both to critically read qualitative studies of education and design their own research studies. This course is structured to provide students with opportunities to understand the nature of qualitative inquiry, the kinds of questions addressed, and the various types of research designs used to answer them. Students

will also be introduced to core qualitative data collection and analysis methods. Enrollment is limited to students admitted to the doctoral program.

EDA7420: Foundations of Research in

Education

3

Co-requisites: EDF 7545

Description: This course will focus on preparing the educational leader to become an informed consumer and a novice producer of educational research within diverse communities and educational organizations. The course focuses on understanding a variety of approaches to problem identification and problem solving in education. This includes a survey of research in educational leadership including understanding various issues relative to effective design and interpretation of research studies in educational leadership. Emphasis will be on quantitative, qualitative, and mixed method approaches. Course activities will include lectures and discussions on topics relative to the understanding of educational research, individual and group activities focused on research issues, and individual projects and presentations focused on critical review of extant research studies. EDF 7545

EDA7421: Research Design Seminar 2:

Proposal Development

3

rerequisite: EDA 7400, EDA 7410, EDA 7420, and EDA 7979

Description: The purpose of this course is to assist doctoral students prepare their dissertation proposals. The aim will be to work through the key stages of effective proposal writing process in a seminar/workshop format. Topics addressed include defining research questions, developing a theoretical/conceptual framework, synthesizing relevant literature, finalizing IRB protocols, utilizing the peer-review process, and other theoretical and methodological topics that are relevant to the task of proposal writing. Please note that some knowledge about framing problems of practice, synthesizing literature, and methods for collecting, coding, analyzing and interpreting data is presumed.

EDA7426: Academic Writing in Education:

Framing Problems of Practice

3

Prerequisite: EDA 7420

Description: This course introduces students to the elements of academic writing and how it differs from other types of writing. Students will learn how to develop a research question that addresses a research problem of practice, critically synthesize existing literature in light of an appropriate theoretical framework, and construct an academic argument. The course provides students with a basic introduction to broad categories of research methods.

EDA7905: Individual Study and Research v. 1-3

Prerequisite: Consent of instructor

Description: This course is designed for students who wish to undertake a study of selected topics related to educational leadership.

Repeatability: This course may be repeated with change of content up to a maximum of 12 credits.

EDA7979: Research Design Seminar 1:

Advanced Methods

v. 3-6

Prerequisite: EDA 7400, EDA 7420 and EDA 7410

Description: This course includes advanced experiences in designing, conducting, reporting and critiquing quantitative and qualitative research. The aim is to work through the stages of designing a research study using a seminar/workshop format. The particular focus of this course will be on the design, utilization, and reporting of commonly used quantitative and qualitative techniques and methods in education. Specific multivariate quantitative techniques (e.g., multiple linear and logistic regression analysis, and factor analysis) and qualitative data collection and analysis methods (i.e., participant observation, interviews, document analysis, constant comparative method, etc.) relevant to students developing pilot research projects will be discussed.

Repeatability: This course may be repeated up to 12 credits.

EDA7980: Doctoral Dissertation Research v. 1-12

Prerequisite: EDA 7400, EDA 7410, EDA 7420, EDA7421 and EDA 7979

Description: Students must register for a minimum of 12 hours of dissertation credit before completion of the program and for a minimum of 3 hours of credit each semester once admitted to candidacy. The enrollment is limited to students enrolled in the doctoral program.

EDF6114: Growth and Development of the Learner **3**

Description: This course is designed to examine learner development from the perspective of both the school and the School Counselor. The course takes an in-depth look at theory, research and classroom applications in the areas of learner development, learner differences, the nature of the learner, learner motivation and the implications for the School Counselor. The course will also examine the classroom needs and learning strategies for learners with exceptionalities and learners from various cultural backgrounds.

EDF6480: Foundations of Educational Research **3**

Description: The purpose of this course is to provide students an introduction to understanding and interpreting qualitative and quantitative methods of educational research. Included is a review of the steps in planning, conducting, and reporting educational research, including a survey and analysis of types of research. Student work will emphasize research in the elementary school, the middle school, the secondary school, exceptional education, or adult education.

EDF6495: Research and Assessment in School Counseling **3**

Description: This course provides an overview of the fundamental concepts related to designing, conducting, analyzing, and reporting educational research and assessment. It will include the study of standardized and projective instruments for testing of individuals in areas such as intelligence, aptitudes, personality

and motivation and consider current issues in educational assessment.

EDF6607: Education in America

3

Description: The goal of this course is to provide every graduate in the College of Education with the basic information needed to understand the role of education in our American culture. The course is designed to provide students with the general knowledge that will enable them to deal with new ideas, events and challenges with which they will be confronted as educated professionals.

EDF7215: Learning and Instruction throughout the Lifespan

3

Description: This course includes an overview and comparison of learning and instructional theories and strategies. The course includes both an overview of learning and instruction in multiple academic domains with a variety of empirically supported instructional strategies. The enrollment is limited to students admitted to the doctoral program.

EDF7545: Philosophy of Education

3

Co-requisite: EDA 7420

Description: This course is an investigation into the basic assumptions and ideas of education, human nature, and human society, with emphases upon the epistemological, ethical, and value dimensions of education to address questions in and about pedagogy, education policy, and curriculum, as well as the processes of learning, teaching, and leadership. Students will engage in thoughtful analysis of relevant theoretical and empirical literatures regarding personal and formal philosophies and apply that literature to (1) issues of professional practice within their current and/or future professional settings, and (2) their own proposed empirical work (e.g., the doctoral dissertation). This course is a co-requisite with EDA 7420 Foundations of Research in Educational Leadership.

**EDF7635: Cultural and Social Foundations
of Education**

3

Description: This course examines the social, political, economic and cultural forces affecting education in the context of multicultural education. It focuses specifically on social justice, oppression, and leadership. In this course students will explore the relationships among educational and social policies, multicultural curricula, achievement, racial and ethnic identity, and culturally diverse lifestyles.

**EDG6285: Fundamentals of Program
Evaluation**

3

Description: This course provides basic knowledge and the opportunity to develop fundamental skills in the evaluation of education and human service programs. Emphasis is on the evaluator's responsibility for designing and implementing an evaluation, conducting data analysis, and reporting evaluation results. Emphasis is on the application of qualitative and quantitative methods for conducting an assessment of program implemental, outcome, and impact. Students also examine applications of evaluative research in educational decision making and policy development.

**EDG6287: Principles of School
Accountability and Assessment
(Instructional Leadership II)**

v. 1-3

Description: This course provides an introduction to principles of school accountability and techniques in school-wide assessment. There is emphasis on understanding federal and state department of education information reporting requirements, reviewing and developing data collection procedures, and using assessment information for school improvement.

**EDG6625: Curriculum and Assessment
Leadership**

3

Description: This course includes an in-depth study of current issues, trends, and research related to school curricula at the primary, elementary, middle and secondary school levels within regular and exceptional programs. The goal of the course is to provide students an understanding of policies, practices, and procedures related to the development of the K12 school curriculum through the use of school accountability measures and school-wide assessment. Federal and state department of education and information reporting requirements will be studied along with the review of developing and using data collection procedures through the use of technology. Students will study how to effectively use assessment information to drive school improvement.

EDG6911: Action Research in Education v. 1-6

The focus of this course is on the implementation of a systematic form of inquiry that is collective, collaborative, self-reflective, critical, and undertaken by the participants of the inquiry. The course provides the opportunity to acquire skills in question development, data collection, data analysis, and the interpretation and presentation of results. Emphasis is on the classroom as a context for conducting teacher research to: a) increase understanding, b) solve classroom problems, and c) contribute to the body of knowledge about teaching and learning. Students also examine applications of action research in educational decision-making and policy development. This course may be repeated for a total of 6 credit hours.

EDH6020: Foundations of Student Affairs 3

Description: This course is designed to provide an overview of: a) the philosophical and historical foundations of student affairs programs and the student affairs profession; b) the culture and socio-political landscape of post-secondary institutions where the profession is practiced; c) professional development opportunities, resources, and organizations in the profession; and, d) the knowledge, skills, dispositions, and practices needed to be a successful student affairs practitioner.

EDH6025: Higher Education Advancement 3

Description: This course addresses the role of institutional advancement, development, and alumni engagement in Higher Education. Topics covered will include giving campaigns, donor relations, planned giving, alumni organization and communications, and endowment management.

EDH6031: Leadership of Student Affairs

3

Description: This course is an exploration of leadership on college campuses. As such, it begins by examining conceptual and theoretical concepts and constructs of leadership as well as how student affairs personnel, higher education administrators, and students have developed and enacted notions of leadership. Thus, students will have opportunities to apply what they are learning within authentic leadership contexts. Leadership is viewed through multiple lenses: as an art (especially a performing art), a philosophy, a social science, a lifestyle, and a social contract. Emphasis is given to manifestations of leadership in the higher education setting, which by nature will draw on business, political, sociological, and psychological constructs and approaches. The course is focused in scope on institutional-level leadership within university and college systems.

EDH6041: College Student Counseling

3

Description: This course is designed to help students develop a comprehensive overview of key concepts and theoretical underpinnings of counseling for application in higher education administration and student affairs settings, as well as opportunities to develop skills in using basic counseling techniques and procedures. This course is not designed to prepare professional counselors, but rather to prepare Higher Education Administration and student affairs professionals to understand and demonstrate effective helping skills in order to best meet student and institutional needs.

EDH6045: Student Development in Higher Education

3

Description: The purpose of this course is to examine a diverse range of perspectives including human development theories that provide context and insight into student learning, growth, and development during their post-secondary experiences. This class will develop understanding related to how these perspectives and theories might inform the policies, practices, and programs within post-secondary institutions and student affairs, specifically.

EDH6050: Diversity in Higher Education

3

Description: This course is designed to prepare effective, culturally competent higher education leaders through self-examination and discussions about the cultural beliefs, norms, behaviors and policies that impact diversity within higher education. Guided by the premise that our cultural lenses shape how we view and solve educational challenges related to diversity and multiculturalism in higher education, this course will use personal reflections and relevant research to facilitate the understanding and knowledge of the structures, policies, and trends related to diversity in higher education.

EDH6058: Comparative Higher Education

3

Description: This seminar focuses on international Higher Education by surveying post-secondary systems and institutions in a broad variety of countries and regions. The course will comparatively examine institutional and national policies related to accessibility, mission, curriculum, organization, institutional leadership, student life, and finances. The course will also discuss the development and planning of study abroad programs, with an emphasis on the countries surveyed.

EDH6069: Foundations of Higher Education

3

Description: This course provides a history of higher education through an overview of American and international institutions of higher learning, a survey of the philosophical missions and purposes served by colleges and universities, and an investigation

of some of the pressing challenges and emerging practice issues confronting these institutions. This course presents an overview of higher education, with an emphasis upon the development of colleges and universities, and how these developments help shape and define current institutional practices and policies. A number of curricular, administrative, and policy issues will be examined and selected current problems will also be discussed in greater depth throughout the semester.

EDH6250: Study Abroad in Higher

Education Administration

3

Prerequisite: EDH 6058

Description: An opportunity for students to live and study in residence at an international college or university. The course will include lectures and seminars conducted by international faculty; opportunities to observe and interact with local administrators; and, to observe students, staff, and facilities in a variety of settings. The course will also allow students to observe and model best practices for planning and conducting study abroad programs.

EDH6401: Higher Education Policy

3

Description: This course will examine the policy and politics of Higher Education at the local, state, and national level. Coursework will examine state and federal support for public and private higher education and the agendas and expectations of policymakers for higher education. This course will include questions of public support for higher education, expectation for learning outcomes, community and economic development, and implications for institutional governance. The course will address the process of creating and influencing higher education policy.

EDH6405: Higher Education Law

3

Description: This course is an overview of the legal issues that confront college and university personnel. Pertinent federal and state statutes as well as case law will be used to instruct about legal rights and responsibilities of university and college administrators. The legal relationships between the institution and

the faculty, the student, the state government, and the federal government will be explored.

EDH6415: Personnel Management in Higher Education **3**

Description: This course provides an examination of personnel management in higher education. Topics include talent acquisition, retention, and development. A major focus of this course is how higher education institutions can strategically use human resources to advance their mission. A number of curricular, administrative, and policy issues related to human resources will be examined and selected current problems related to human resources will be discussed in greater depth throughout the semester.

EDH6416: Career Services in Higher Education **3**

Description: Career Services in Higher Education provides students with the broad-based theoretical foundations of this discipline as well as practical knowledge, skills, and dispositions that will prepare them to function effectively as employees or managers of career services in institutions of higher education.

EDH6505: Higher Education Finance **3**

Description: This course provides an overview of the economic and financial landscape of higher education. Aspects of higher education business management and principles will be covered including economic concepts that impact higher education, funding methods, budgeting, marketing, and personnel management functions. Influences and effects of current financial and economic issues on institutions of higher learning such as large public universities, small private colleges, community colleges, and adult education & training programs will be discussed.

EDH6510: Grants Development and Project

Design

3

Description: This course addresses all aspects of grants development, from the germination of ideas to preparing a competitive proposal. Topics include needs assessment, problem statement development, funding searches, literature review, methodology, performance objectives, evaluation design, and budget planning. The course emphasizes resource development for educators and human service professionals in a variety of settings. This course has no pre- or co-requisites. It may also be taken by graduate and post-baccalaureate students in related disciplines.

EDH6635: Organization and Leadership in Higher Education

3

Description: This course explores issues of organization, governance, and leadership practice in two and four-year colleges and universities. The diverse types of American institutions of higher learning are examined in the context of mission and purpose, programs and services, and the needs of both external and internal constituents. The roles of specific leaders are examined, giving attention to the current issues and challenges that each functional unit in an institution must face. This micro-view of leadership roles is framed by examination of the broader issues of mission, administration, governance, and responsiveness to social change that influence the evolving concept of higher education in American culture.

EDH6637: Campus Crisis Management

3

Description: Campus Crisis Management will examine historical and current events that form the nexus for emergency response in institutions of higher learning. Students will be exposed to relevant case studies and scenarios that will provide insight into the aspects of crisis management in higher education and include organizational response to campus unrest, active shooters, natural disasters, physical plant failures, structural collapse, bad publicity and other non-emergency "crises".

EDH6946: Practicum in Higher Education

Administration

3

Description: The primary purpose of this course is to link the theoretical and philosophical frameworks of higher education administration and student affairs to practice in the field. The course requires students to perform in field settings as an assistant to an organizational leader. The course is intended as an elective for students seeking practical experience in higher education, student affairs, and related fields.

EDS6050: Instructional Leadership

(Instructional Leadership IV)

3

Description: This course introduces students to the professional knowledge, theories, skills, and dispositions necessary to function as an instructional leader, with emphasis on the supervisory role. The course examines the roles and responsibilities of instructional leaders in the processes of leading effective teaching and learning. Special emphasis is given in this course to the development of knowledge and skills needed for school-based leader's effective assessment of instructional practices, instructional systems, and promoting professional development. Special attention is given to the process of mentoring, coaching, serving as a lead instructor, conducting meetings, and using a clinical development model. The course will include the review of evaluation documents for teachers and school leaders from a variety of levels and sources.

EDS6130: Human Resource Development in Education (Operational Leadership I)

3

Description: This course is a study of the theories, practices, processes and procedures which comprise personnel and supervisory functions within educational organizations. Emphasis is placed on strategic planning, recruitment, selection, induction, assessment and performance appraisal, professional development and collective bargaining. The course will include a review of the use of data-based and shared decision-making strategies to enhance human resource processes with an

emphasis on leading professional development and job-embedded professional learning.

EME5403: Technology in Education

3

Description: The content in this survey course for teachers and administrators emphasizes technology as a personal and professional productivity tool. Students will use technology for communicating, solving problems, and participating in activities that encourage lifelong learning. Students are prepared as educators to use technology to support and enhance teaching and learning. The course content includes equitable, ethical, and legal issues in educational technology.

EME6046: Technology and Literacy

3

Description: This course is designed to introduce all teachers and future teachers to the concepts of how literacy (reading and writing) can be supported and developed with technology, incorporating computer technology beyond simple word processing in the teaching of writing. During this class you will have the opportunity to investigate, experiment with and use the following: eBooks, presentation software, the Internet, educational software, multimedia programs, and more. Course topics include the digital scaffolding tools, technology for accommodations, digital reading options, and electronic books in many forms.

EME6050: Enhancing Instruction with Technology

3

Description: The focus of this course is on the development of concepts, strategies, and materials for the use of technology in the enhancement of instruction. Students explore the impact that computer technology can have on the nature of the teaching/learning process. Recent developments in education software, the Internet, and computers have provided educators with a new array of tools enriching the educational process. Topics include hardware, software, internet, technology and curriculum standards, and strategies for a range of content areas. This course explores the theoretical bases of critical issues in

technology-enhanced learning.

EME6052C: Technology, Education, and Culture

3

Description: This course is designed to help students form a comprehensive picture of the way information and communication technologies intersect with our belief systems, our way of life, and our relationship to the world. Challenges facing our schools, our social infrastructure and government agencies such as the National Archives and Library of Congress are discussed. The course examines the demands of a more complex, probabilistic view of the world and how probabilities, Bayesian Logic, and Fuzzy Algorithms intersect with human activity. Other concepts investigated include computer augmentation, collective intelligence and virtuality in our rapidly evolving technology-based culture.

EME6055: Trends and Issues in Technology, Education, and Training

3

Description: This course is a special topics course that provides an overview of current issues and trends. Course topics may include theoretical and practical approaches to identifying technology's impact on culture, learning systems, identity, organizations, and industries. Through critical inquiry, students will explore connections between community, culture and technology based in current literature. Students will analyze these issues in context through a technology leadership lens to identify past, present and future implications for learning.

EME6061: Educational Technology Portfolio

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Description: Graduate students seeking a master's of Educational Leadership with a concentration in Educational Technology must develop an Educational Technology Portfolio to document mastery of all the major International Society for Technology in Education (ISTE) competency areas for educational technology

leadership as part of the requirements for graduation. This portfolio should demonstrate the students' conscious reflection upon their learning, to help guide and expand their understanding. While the portfolio is an ongoing assignment throughout the program, during this course the educational leadership technology portfolio is to be submitted to the educational technology faculty advisor. This course is to be taken during the last semester of the program, when the student is planning on graduating.

EME6344: Lifelong Learning and Professional Development

3

Description: This seminar is designed for those who plan to work with adults in various learning contexts including academic and career preparation, professional development, inservice training, and continuing education. Students will explore the psychological, sociological, and economic dimensions of adult learning in the American experience. Emphasis will be given to the application of theory to contemporary practice in the formal provision of educational activities for adults.

EME6405: Educational Web Design

3

Prerequisite: EME 5403 or EDA 6271, or permission of the course instructor

Description: Students in this course develop competencies in evaluating web pages for educational use, and in designing and producing effective web pages for school and classroom. Students will be prepared educators to create online content and tools for learning. Students develop their understanding of web design principles, multimedia, HTML, needs assessment, instructional design web publishing and usability testing.

EME6409: Interactive Distance Education

3

Prerequisite: EME 5403 or EDA 6271, or permission of course instructor

Description: This course explores forms of synchronous and asynchronous interactive distance education from perspectives of theory and practice. Designed for K-12 and higher education instructors and administrators, as well as trainers and instructional designers from other professional settings, the course focuses on

the interpretation and application of theory, research, and standards-based effective practices to the design, development, and evaluation of distance education experiences. Skills and knowledge acquired in the course will contribute to distance and classroom teaching capabilities.

EME6418: Educational Multimedia **3**

Prerequisite: EME 5403 or EDA 6271, or permission of the course instructor

Description: The content of this course focuses on the design, development, and implementation of interactive media in instructional settings. Topics include: instructional design, input and output devices, optical technologies, hypermedia with sound and video, communicating with multimedia products, and the future of technology in education.

EME6441: Technologies for Special Populations **3**

Prerequisite: Computer Experience

Description: The students will develop an understanding of assistive technology, accommodations, technology applications and adaptations to improve functionality of learners of all abilities, including ESE and ESOL.

EME6442: Curriculum and Instruction for Adult Learning **3**

Prerequisites: This is an advanced course that presents the principles of adult learning and instruction. Attention is given to those situations, factors, and methods that may influence how adults learn in a variety of traditional, non-traditional, and multimedia/telecommunication settings. An analysis of several teaching models and instructional approaches for creating learning environments for adults appropriate for community colleges, continuing education, and training and development will be focal element of the course. This will be achieved through study, development, and application of different models of instructional designs for adult learners as well as identifying and evaluating variables related to these models.

EME6601: Instructional Design and Applications

3

Description: This course focuses on the application of instructional design principles to the development of instruction. Topics include contemporary issues and trends in instructional design, foundations in learning research, requirements for instruction, task and needs analysis, learning situations and instructional model, learners characteristics, hardware and software innovations, assessing instructional outcomes, and factors affecting utilization.

EME6609: Universal Design for Learning (UDL): Diversity and Inclusion Practices for Training and Development

3

Description: Students in this course will have the opportunity to explore concepts and practice as they relates to the Universal Design for Learning as a framework for removing barriers to learning for all students. This course focuses on a mindset, analysis and practice approach to exploring Universal Design for Learning (UDL) in various contexts. This course includes diverse learning activities such as discussions, reflections and problem-based learning activities to support students' development and understanding of Universal Design for Learning. Students will apply Universal Design for Learning principles to the design of accessible instructional materials including but not limited to technology-based strategies and beyond.

EME6678: Effective Training Design and Development

3

Description: Training and development can be described as "an educational process which involves the sharpening of skills, concepts, changing of attitude and gaining more knowledge to enhance the performance of employees". The field of adult education is characterized by a huge array of programs, agencies, and personnel working to assist adults in their learning. The nature of adults as learners and the distinguishing characteristics of the adult learning process differentiate adult education from other types of education. In concurrence with the Association of

Training and Development's (ATD) conceptual framework, this course provides a rigorous study of the functions and roles of individual employee and team training and development to ensure effective performance. This course examines the role of training from a strategic perspective including planning and assessment, design and delivery, evaluation of training and integration of training with performance management.

**EME6909: Directed Independent Study -
Educational Technology, Training and
Development**

3

Description: This course involves special studies undertaken independently by students under the supervision of an Educational Technology, Training and Development faculty member. Students must have the faculty supervisor and Department Chairperson's approval for a special study prior to enrollment.

Repeatability: May be repeated with a change of content up to a maximum of 6 credits.

**EME7415: Educational Design for Digital
Media**

3

Prerequisite: EME 6418 and consent of instructor

Description: This course focuses on the study and application of instructional design principles to the development of multimedia materials. It emphasizes the application of learning principles to multimedia design and production. Students will design and develop a multimedia project using a variety of visual and auditory elements.

MHS5005: Introduction to Guidance

3

Description: This course is designed as an introductory course for students wishing to pursue a career as a school counselor. It will focus on the roles and expectations of counselors at different levels, as well as an introduction to the skills of counseling, consulting, and career education.

MHS6407: Theories of Counseling **3**

Description: This course provides counselors in school and mental health settings with knowledge of personality and counseling theories. The role of theory in the counseling of children, youth, and adults will be emphasized.

MHS6421: Counseling Children and Adolescents **3**

Prerequisite: MHS 6482, MHS 6006, MHS 6400

Description: This course concerns the helping relationship between the counselor, children and adolescents. Emphasis is placed on the application of theoretical models and specific techniques required to counsel children and adolescents in both school and mental health settings.

MHS6482: Personality and Life Span Development **3**

Description: This course provides students with knowledge of personality and human development theories and research throughout the lifespan. Dynamics of personality and behavior, as well as their implications for counseling at each developmental stage will be presented.

MHS6530: Group Work for School Counseling **3**

Description: This course provides theoretical and experiential understandings of group types, purpose, development, dynamics, theories, methods, skills, and group approaches in educational settings.

MHS6539: Classroom Management Skills **1**

Description: This course is designed to prepare the School Counselor to manage the classroom during classroom guidance

presentations and to strengthen their consultation role by helping them understand classroom structure and ways of helping teachers connect most effectively with learners. Strategies for managing students from various cultural backgrounds, the classroom environment and instructional activities which promote cognitive growth will be explored.

MHS6600: Seminar: Consultation Skills

3

Description: This course is an examination of consultation models appropriate to education and human services. This course develops basic skills in consultation with parents, teachers and other professionals.

MHS6610: Clinical Supervision in Counseling

v. 1-3

Prerequisite: MHS 6006, MHS 6400 and MHS 6510

Co-requisite: MHS 6830

Description: This course is designed for advanced graduate students and practicing counseling professionals. The course focuses on models and techniques of clinical supervision, as well as issues in supervision and evaluative methods. Students will study various approaches to supervision, practice with supervisees in a field experience, and create a supervision guide book.

MHS6780: Legal, Ethical, and Professional Issues in School Counseling

3

Description: Students in this course will survey ethical, legal, and professional issues facing the school counselor. School counselors function in an environment regulated by state and federal laws, court decisions, certification, cultural diversity issues and school board rules. Using case studies, students will explore and demystify some of the legal complexities through an exploration of American Counseling Association Code of Ethics and Standard of Practice, federal law, case law, state statutes, multi-cultural community standards and school board rules. Students will learn how these assist in the protection of students,

parents and the school counselor. Students will host a conference and present their research projects from EDF 6480 at this conference.

SDS5429: Equity Methods and Resources **3**

Description: This course is designed for the study of educational equity with emphasis on the identification of methods and resources to facilitate the progress of special student populations. Practical applications for classroom teachers, educational administrators and counselors are stressed.

SDS5601: Home-School Communication **3**

Description: This course explores the past, present, and future of home-school relationships. Student will learn strategies for working with parents that have special needs (single parents, foster parents, etc.), including the methodology of communication skills, parent involvement, conferencing skills, parent education, and parent counseling.

SDS6000: School and Family: Managing Student Behavior **3**

Prerequisite: Admission to the SOAR program or permission of the instructor

Description: This course is designed to enhance the relationship between families/care givers and the school for the purpose of optimizing student behavior for classroom learning. It will give the students tools to use when working with families. In addition, students will learn effective ways to include family members as active contributors in their child's education and overall well being. Students will learn how to create collaborative teams that will include school personnel, families and other community agencies to promote student learning. The school counselor's role will be explored in managing classroom behavior when conducting classroom guidance and in helping teachers with strategies for managing students from various cultural backgrounds. The classroom environment and instructional activities that promote cognitive growth will be examined. This course will look at profiles and characteristics of students presenting potential and active

behavior problems. Strategies for preventing and handling on-going behavioral problems are examined.

SDS6014: Organization and Administration of School Counseling **3**

Description: This course includes a study of the various components in a comprehensive, developmental school counseling program, including an understanding of professional roles and functions, historical underpinnings and future trends, accountability and professional organizations, associations and credentialing.

SDS6310: College and Career Readiness **3**

Description: This course is designed to enable counselors to help individuals assess their skills, knowledge and self-understanding necessary to arrive at appropriate career, educational, and lifestyle decisions throughout the life span. Both theory and practice are emphasized.

SDS6466: Crisis/Disaster Management **1**

Description: This course is designed to explore student behavior that results in violent and aggressive actions. The development of violent tendencies is examined, including the medical/biological, psychological and social theories of aggression and violence. Candidates explore the current approaches to intervention with at-risk students, and discuss prevention strategies that can be implemented in regular, special education and inclusion classes in order to minimize the risk of violence. The legal issues involved are presented to help candidates understand the role of school personnel in minimizing risk to students and staff, and also intervening with those students in regular, special education and inclusion classes who are at-risk for violent and aggressive behavior. As part of the curriculum, each participant will develop a Crisis Intervention and Prevention Plan as a potential model that can be implemented within a school district/building.

SDS6820: Supervised Field Experiences I **1**

Co-requisite: SDS 6940

Description: This course is designed to provide school counseling candidates ongoing guidance, support, and instruction pertaining to the roles, functions, and skills of a school counselor during their first field experience. Emphasis will be on student-focused and system-focused issues that the school counseling candidates address during field experience. Candidates will meet for one hour per week with a professional school counseling supervisor.

SDS6821: Supervised Field Experiences II **1**

Co-requisite: SDS 6832

Description: This course is designed to provide school counseling candidates ongoing guidance, support, and instruction pertaining to the roles, functions, and skills of a school counselor during the second field experience. Emphasis will be on career, postsecondary planning, and academic issues that the school counseling candidates address during field experience. Candidates will meet for one hour per week with a professional school counseling supervisor.

**SDS6830: Internship in School Counseling:
Counseling/Coordination of Guidance
Services** **3**

Description: This internship experience offers students an in-depth supervised experience in schools practicing individual and group counseling.

**SDS6831: Management of Resources and
Data Analysis** **3**

Prerequisite: SDS 6830, SDS 6940, SDS 6820, SDS 6832 and SDS 6821

Description: Students who participate in this course are provided an in-depth supervised experience in schools practicing management of resources and data analysis.

SDS6832: Internship: College and Career**Readiness****3**

Description: This internship offers students an in-depth supervised experience practicing career and academic advising and advocacy in schools and businesses.

SDS6905: Directed Independent Study**v. 1-3**

Description: This course is offered for variable hours and title.

SDS6940: Practicum in School Counseling**3**

Prerequisite: MHS 6006, MHS 6400, MHS 6510, and SDS 6014 with grades of B or higher, and permission of the practicum committee

Description: This course is designed to apply knowledge and skills gained in study to actual school settings. Corresponding course work will be required in which the emphasis will be on the counselor as a consultant to parents, teachers, and administrators.

Repeatability: It may be repeated for credit

SPB6946: Practicum in Athletic**Administration****3**

Description: The primary purpose of the course Practicum in Athletic Administration, is to link the theoretical and philosophical frameworks of athletic administration to practice in the field. The course requires students to perform in field settings as an assistant to a sport organizational leader.

SPM5158: Intercollegiate Athletic**Administration****3**

Description: This course provides graduate students with a fundamental and practical knowledge regarding the administration

of intercollegiate athletics. Students will gain a deeper understanding of the role of intercollegiate athletics on college campuses, the impact they have in and on society, and how to effectively provide some insight on college athletic programs.

SPM5206: Ethics and Issues in Sport

3

Description: The purpose of this course is to promote critical evaluation of contemporary issues impacting the sport industry, as well as to encourage deeper thinking in regards to analyzing ethical concepts and applications associated with sport, and personal application. Through detailed examination of one's philosophy, clarifying values and refining personal, social, and ethical reasoning as associated with contemporary issues of interest, this course addresses matters within sport settings that may affect sport stakeholders and society.

SPM5308: Marketing and Promotions in Sport

3

Description: This course was designed to provide students an in-depth examination of the sport marketing mix of product, price, place, promotion, and well as sport marketing strategy and sport marketing research. Students will engage in advanced work in sport marketing and consumer behavior to develop a more rich understanding of how sport organizations generate revenue through sport marketing strategy and research. Students will apply fundamental sport marketing concepts through clinical experiences in the sport industry.

SPM5506: Sport Finance

3

Description: This course is designed to provide students information concerning financial matters and business issues relating to the sport industry. Of particular importance is acquiring an awareness and understanding of basic financial responsibilities of sport administrators, managers, and coaches. The information presented should enable the student to develop a working vocabulary of significant financial terms along with financial concepts and issues that have particular reference to sport, the

management of sport programs, and the sport industry.

SPM5605: Sport Governance and Compliance

3

Description: This course is designed to provide students practical applications of governance principles to amateur and professional sport organizations operating at the community, state/provincial, national, and international levels. The course presents a balanced view between accepted practice and what contemporary research evidence tells us about a range of governance principles and practices. The course will provide students an understanding of the mechanics of governance – the elements of structure, process and performance that ensure the governance function is carried out within sport organizations. There will be in-depth discussion of a number of contextual issues in sport governance, including dual leadership, ethics, governance change, and future governance challenges.

SPM6008: Foundations of Sport Management

3

Description: This course is designed to provide students, who do not have an undergraduate degree in sport management, with an overview of sport management. Students will be exposed to the foundations of the following components of sport management: sociocultural aspects in sport, management and leadership in sport, marketing in sport management, ethics in sport management, communication in sport management, budget and finance in sport management, legal aspects of sport management, and economic aspects of sport management, and governance of sport. Students will gain an appreciation of the importance of field experiences in sport management.

SPM6106: Sport Facility and Risk Management

3

Description: This course provides students a comprehensive knowledge base of sport facility and human resource

management. Students will develop an understanding of proper facility planning, construction and utilization, risk management, event administration, house and grounds management, systems management, marketing, finance and personnel issues related to sport facility management. Contemporary issues in sport facility management will be examined as well as the growing responsibilities and risks assumed by those working in sport management. Case study analysis and sport facility visits will be important teaching methodologies for this course.

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Major: Health Administration
Concentration: Aging Services
Degree: Bachelor of Health Admin.

Prerequisites (15 credits)

Must be completed with a grade of "C" or higher

ACG2021 Prin of Financial Accounting (3 Credits)

ACGX021, ACGX024 or ACGX001 and ACGX011 are acceptable substitutes for ACG2021. Prerequisite: MAC1105

ACG2071 Prin Managerial Accounting (3 Credits)

ACGX071 and ACGX301 are acceptable substitutes for ACG2071. Prerequisites: MAC1105, ACG2021

ECO2023 Principles of Microeconomics (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

STAX023 is an acceptable substitute for STA2023. Prerequisite: MAC1105

SELECT ONE COMPUTER APPLICATIONS COURSE

CGSX061, CGSX100 and ISMX000 are acceptable substitutes for the CGS requirement. Recommend CGS 1100 or CGS 1570

Requisites (3 credits)

Must be completed with a grade of "C" or higher.

HSA2530 The Language of Healthcare (3 Credits)

Major Requirements (42 credits)

Must be completed with a grade of "C" or higher

HSA3101 Intro to Health Administration (3 Credits)

HSA4111 U.S. Health Care System (3 Credits)

HSA3522 Managerial Epidemiology (3 Credits)

HSA4553 Health Law and Ethics (3 Credits)

HSA4170 Health Care Finance (3 Credits)

Prerequisite: ACG2021, ACG2071, ECO2023, HSA3111
& HSA4111 effective summer 2019

HSA3430 Health Economics/Quant Analysis (3 Credits)

Prerequisites: STA2023, ECO2023

HSA3222 Long Term Care Administration

HSA4150 Introduction to Health Policy (3 Credits)

Prerequisites: HSA3111, HSA4111 effective summer
2019

HSA3191 Health Information Systems I (3 Credits)

HSA3340 Healthcare Human Resources (3 Credits)

HSA3383 Quality Management Healthcare (3 Credits)

HSA3160 Health Care Marketing (3 Credits)

HSA4004 Professional Skills Dev (3 Credits)

Prerequisite: HSA4170

Co-requisite: HSA4922

HSA4922 Capstone: Health Admin (3 Credits)

Prerequisites: ACG2021, ACG2071, ECO2023 ,
STA2023, CGS1100, HSA4170

Co-requisite: HSA4004

Must be completed the semester prior to Internship

Internships

Must be completed with a grade of C or higher.

SELECT ONE INTERNSHIP FROM FOLLOWING

- HSA4850 Health Administration Internship (6 credits) -
available in fall, spring, and summer
Prerequisites: ACG2021, ACG2071, ECO2023, STA2023,
CGS1100, HSA4170, and HSA4004. 360 hours required

Concentration Requirements (9 credits)

Must be completed with a grade of C or higher.

- Successful completion of the Aging Services concentration is required prior to start of the internship.

GEY3503 Assisted Living Admin (3 Credits)

Starting spring 2019, offered only in Fall semester.

GEY3660 Aging Policy and Politics (3 Credits)

formerly HSA3154 till spring 2015

Starting spring 2019, only offered in Spring semester.

GEY3004 Aging in America (3 Credits)

Starting spring 2019, offered only in Summer semester.

Major Electives (3 credits)

Must be completed with a grade of C or higher.

SELECT 1 FROM THE FOLLOWING

Elective options

- GEY, HSA, HSC, or MAN courses at the 3000/4000 level
- Other upper level (3000/4000) courses with approval of the program director. See a Brooks College of Health advisor for a list.

Major: Nursing
Concentration: Nursing-RN
Degree: BS in Nursing

Prerequisites (27 credits)

Attention Regular & Accelerated Prelicensure BSN applicants
ONLY: In progress enrollment does not constitute completion/meeting your prerequisite requirements. You must successfully complete all required coursework to remain a viable School of Nursing applicant. You must maintain a 3.20 or higher prerequisite GPA for consideration at the time of the application deadline in addition to the minimum cumulative GPA required (3.00 for Regular Prelicensure; 3.20 for Accelerated Prelicensure). At least 5 of the 8 nursing-specific prerequisite courses, including no less than 3 of the 4 required science courses (MCB, A&P I w/lab, A&P II w/lab, & Additional Science), must be completed by the application deadline. Proof of enrollment in all remaining courses must be supplied to the School of Nursing Admissions Office by the deadline.

Non-UNF courses do not appear on degree evaluations until UNF receives and processes official transcripts with final grades in your file.

SELECT One social science course

Any PSYXXXX, SOPXXXX, or SYGXXXX is acceptable.
**PSY2012 is a required prerequisite to DEP3054 at UNF.

DEP3054 Lifespan Developmental Psych (3 Credits)

DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.

Prerequisite: PSY2012

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.

HUN2201 Basic Prin Human Nutrition (3 Credits)

HUNX201, NURX192 or any Human Nutrition course may be substituted for HUN 2201.

MCB2010C Microbiology (4 Credits)

MCBX010C, MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.

Prerequisites: BSC1010c and CHM1025/1025L or CHM2045/2045L

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

Prerequisite: BSC2085c

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

Major Requirements (30 credits)

Must be completed with a grade of "C" or higher

- A minimum 2.8 cumulative GPA is required for admission and enrollment in the RN-BSN track.
- Once the RN-BSN program is started, it must be completed within three years.
- All of RN-BSN major courses must be completed at UNF. BSN courses transferred do not substitute for major requirements.

NUR3065L Health Assessment (3 Credits)

NUR3166 Introduction to Nursing Sci (2-3 Credits)

RN-BSN curriculum requires 3 credits.

NUR3619 Family/Community Assessment (3-4 Credits)

RN-BSN curriculum requires 4 credits.

NUR3805 Soc to Prof Nsg (2 Credits)

NUR3082 Perspectives in Chronicity (3 Credits)

NUR3082L Perspectives in Chroncty: Prac (1 Credit)

NUR4826 Ethical-Legal Conc in Nsg Hlth (2 Credits)

NUR4827 Ldrshp Mgmt Concepts Nursing (3 Credits)

NUR4168 Research Translation (1 Credit)

NUR4635 Community Partnerships (3 Credits)

NUR4635L Community Nursing Practice (2 Credits)

NUR4906 Pro Nursing Transition (2 Credits)

NUR4906L Prof Nsg Trans: Nsg Practice (1-4 Credits)

NCLEX Validation Credit (30 credits)

Thirty hours of Nursing Validation Credits are awarded in the student's last semester of enrollment in the BSN. These 30 hours are awarded based upon validation of previous nursing knowledge through satisfactory completion of NCLEX examination.

NUR3000X

Major: Nursing
Concentration: Prelicensure Accel. Nursing
Degree: BS in Nursing

Prerequisites (27 credits)

Attention Regular & Accelerated Prelicensure BSN applicants
ONLY: In progress enrollment does not constitute completion/meeting your prerequisite requirements. You must successfully complete all required coursework to remain a viable School of Nursing applicant. You must maintain a 3.20 or higher prerequisite GPA for consideration at the time of the application deadline in addition to the minimum cumulative GPA required (3.00 for Regular Prelicensure; 3.20 for Accelerated Prelicensure). At least 5 of the 8 nursing-specific prerequisite courses, including no less than 3 of the 4 required science courses (MCB, A&P I w/lab, A&P II w/lab, & Additional Science), must be completed by the application deadline. Proof of enrollment in all remaining courses must be supplied to the School of Nursing Admissions Office by the deadline.

Non-UNF courses do not appear on degree evaluations until UNF receives and processes official transcripts with final grades in your file.

SELECT One social science course

Any PSYXXXX, SOPXXXX, or SYGXXXX is acceptable.
**PSY2012 is a required prerequisite to DEP3054 at UNF.

DEP3054 Lifespan Developmental Psych (3 Credits)

DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.

Prerequisite: PSY2012

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.

HUN2201 Basic Prin Human Nutrition (3 Credits)

HUNX201, NURX192 or any Human Nutrition course may be substituted for HUN 2201.

MCB2010C Microbiology (4 Credits)

MCBX010C, MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.

Prerequisites: BSC1010c and CHM1025/1025L or CHM2045/2045L

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

Prerequisite: BSC2085c

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

1st Semester (12 credits)

Must be completed with a grade of "C" or higher.

NUR3028L Fund Nursing Concepts Practice (4-5 Credits)

NUR3065L Health Assessment (3 Credits)

NUR3619 Family/Community Assessment (3-4 Credits)

NUR3128 Pharm Concepts for Nurse Prac (2 Credits)

2nd Semester (15 credits)

Must be completed with a grade of "C" or higher.

NUR3531C Psych Mental Hlt Nsg Con Prac (3 Credits)

NUR3219C Chronic Rehab Nsg Conc Prac (4-5 Credits)

NUR3255C Med Surg Nsg Conc Prac (5-6 Credits)

NUR3816 Professional Nursing Concepts (3 Credits)

3rd Semester (14 credits)

Must be completed with a grade of "C" or higher.

NUR3166 Introduction to Nursing Sci (2-3 Credits)

NUR4491C Women's Hlth Nsg Conc and Prac (3 Credits)

NUR4351C Pediatric Nsg Conc and Prac (3 Credits)

NUR4256C Complex Nursing Concept/Prac (5-6 Credits)

4th Semester (11 credits)

Must be completed with a grade of "C" of higher.

NUR4168 Research Translation (1 Credit)

NUR4636C Comm Partnerships/Nur Practice (4-5 Credits)

NUR4945C Profession Nursing Integration (3-7 Credits)

Major: Nursing
Concentration: Prelicensure Nursing
Degree: BS in Nursing

Prerequisites (27 credits)

Attention Regular & Accelerated Prelicensure BSN applicants
ONLY: In progress enrollment does not constitute completion/meeting your prerequisite requirements. You must successfully complete all required coursework to remain a viable School of Nursing applicant. You must maintain a 3.20 or higher prerequisite GPA for consideration at the time of the application deadline in addition to the minimum cumulative GPA required (3.00 for Regular Prelicensure; 3.20 for Accelerated Prelicensure). At least 5 of the 8 nursing-specific prerequisite courses, including no less than 3 of the 4 required science courses (MCB, A&P I w/lab, A&P II w/lab, & Additional Science), must be completed by the application deadline. Proof of enrollment in all remaining courses must be supplied to the School of Nursing Admissions Office by the deadline.

Non-UNF courses do not appear on degree evaluations until UNF receives and processes official transcripts with final grades in your file.

SELECT One social science course

Any PSYXXXX, SOPXXXX, or SYGXXXX is acceptable.
**PSY2012 is a required prerequisite to DEP3054 at UNF.

DEP3054 Lifespan Developmental Psych (3 Credits)

DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.

Prerequisite: PSY2012

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.

HUN2201 Basic Prin Human Nutrition (3 Credits)

HUNX201, NURX192 or any Human Nutrition course may be substituted for HUN 2201.

MCB2010C Microbiology (4 Credits)

MCBX010C, MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.

Prerequisites: BSC1010c and CHM1025/1025L or CHM2045/2045L

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

Prerequisite: BSC2085c

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

1st Semester (12 credits)

Summer or Fall semester

Must be completed with a grade of "C" or higher.

NUR3028L Fund Nursing Concepts Practice (4-5 Credits)

NUR3065L Health Assessment (3 Credits)

NUR3619 Family/Community Assessment (3-4 Credits)

NUR3128 Pharm Concepts for Nurse Prac (2 Credits)

2nd Semester (13 credits)

Fall or Spring semester

Must be completed with a grade of "C" or higher.

NUR3166 Introduction to Nursing Sci (2-3 Credits)

NUR3531C Psych Mental Hlt Nsg Con Prac (3 Credits)

NUR3219C Chronic Rehab Nsg Conc Prac (4-5 Credits)

NUR3825 Concepts of Prof Nursing (3 Credits)

3rd Semester (12 credits)

Spring or Fall semester

Must be completed with a grade of "C" or higher.

NUR3255C Med Surg Nsg Conc Prac (5-6 Credits)

NUR4826 Ethical-Legal Conc in Nsg Hlth (2 Credits)

NUR4491C Women's Hlth Nsg Conc and Prac (3 Credits)

NUR4168 Research Translation (1 Credit)

TAKE ONE ELECTIVE

Regular Prelicensure (RPL) students take a total of 3 credits of electives in 3rd, 4th, and 5th semesters. Electives may be a study abroad, honors course or other elective.

4th Semester (12 credits)

Fall or Spring semester

Must be completed with a grade of "C" or higher.

NUR4351C Pediatric Nsg Conc and Prac (3 Credits)

NUR4827 Ldrshp Mgmt Concepts Nursing (3 Credits)

NUR4256C Complex Nursing Concept/Prac (5-6 Credits)

TAKE ONE ELECTIVE

Regular Prelicensure (RPL) students take a total of 3 credits of electives in 3rd, 4th, and 5th semesters. Electives may be a study abroad, honors course, or other electives.

5th Semester (11 credits)

Spring or Summer semester

Must be completed with a grade of "C" or higher.

NUR4636C Comm Partnerships/Nur Practice (4-5 Credits)

NUR4945C Profession Nursing Integration (3-7 Credits)

TAKE ONE ELECTIVE

Regular Prelicensure (RPL) students take a total of 3 credits of electives in 3rd, 4th, and 5th semesters.

Electives may be a study abroad, honors course or other electives.

Major: Health Science
Concentration: Public Health
Degree: Bachelor of Science in Health

Prerequisites (25 credits)

Must be completed with a grade of "C" or higher

PSY2012 Introduction to Psychology (3 Credits)

PSYX012 is an acceptable substitute for PSY2012.

MAC1105 (GM) College Algebra (3 Credits)

MACX105 is an acceptable substitute for MAC1105.

STATISTICS Elementary Statistics Course

STAXXXX is an acceptable substitute for STA2014 or 2023. Recommend STA 2014 or STA 2023

CHEMISTRY General Chemistry I with Lab

Prerequisite: MAC1105

MCB2010C Microbiology (4 Credits)

MCB X010C, MCBX013C or any Microbiology with lab

Prerequisites: BSC1010c and CHM1025/1025L or CHM2045/2045L.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSC X085C, BSCX093C or any Human Anatomy and Physiology I course Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSC X086C, BSCX094C or any Human Anatomy and Physiology II course Prerequisite: BSC2085c

Requisites (3 credits)

Must be completed with a grade of "C" or higher

HSC2100 Personal and Public Health (3 Credits)

Core Requirements (15 credits)

Must be completed with a grade of "C" or higher

HSC3500 Epidemiology (3 Credits)

Prerequisite: STA2014 or STA2023

HSC4730 Public Health Research (3 Credits)

Prerequisite: STA2014 or STA2023

HSC3555 Human Diseases (3 Credits)

Prerequisites: BSC2085c and BSC2086c

HSA4111 U.S. Health Care System (3 Credits)

HSC4210 Environmental Health (3 Credits)

Major Requirements (15 credits)

Must be completed with a grade of "C" or higher. All General Education, Foreign Language, Prerequisite, Requisite, Core, Major, and Minor requirements must be completed prior to internship. Only elective courses may be completed with internship (HSC 4814).

HSC3032 Foundations of Public Health (3 Credits)

Prerequisites: successful completion of all program prerequisites.

HSC3713 Plan and Eval Health Programs (3 Credits)

Prerequisites: HSC3032 and HSC4730.

HSC4800 Professional Prep in Pub Healt (3 Credits)

HSC4800 must be completed the semester prior to HSC4814.

HSC4814 Public Health Practical Experi (1-9 Credits)

Must be completed in the last academic semester of enrollment.

Minor Required

Health Education minor is required for the Public Health

concentration (15 credits).

Must be completed with a grade of "C" or higher

- HSC4102 Physical Activity and Public Health (3 credits)
- HSC4133 Sexuality Education (3 credits)
- HSC4134 Mental and Emotional Health Ed (3 credits)
- HSC4150 Substance Abuse and Violence Prevention (3 credits)
- HSC4234 Health Education for Healthy Eating Guidelines (3 credits)

Major Electives (3 credits)

Must be completed with a grade of "C" or higher.

SELECT 1 course with HSC Prefix

Electives must be 3000/4000 level courses.

Free Electives (9 credits)

Must be completed with a grade of "C" or higher. Free electives can be with any prefix and at any level (1000-4000).

Hours previously used to meet any program requirements can not be applied to this elective area. Students must have a minimum of 120 total credits to graduate.

ELECTIVES Select 9 hrs (1000-4000) level

Major: Nursing

Concentration: Freshman Admit Nursing (FAN)

Degree: BS in Nursing

Prerequisites (27 credits)

Attention Regular & Accelerated Prelicensure BSN applicants
ONLY: In progress enrollment does not constitute completion/meeting your prerequisite requirements. You must successfully complete all required coursework to remain a viable School of Nursing applicant. You must maintain a 3.20 or higher prerequisite GPA for consideration at the time of the application deadline in addition to the minimum cumulative GPA required (3.00 for Regular Prelicensure; 3.20 for Accelerated Prelicensure). At least 5 of the 8 nursing-specific prerequisite courses, including no less than 3 of the 4 required science courses (MCB, A&P I w/lab, A&P II w/lab, & Additional Science), must be completed by the application deadline. Proof of enrollment in all remaining courses must be supplied to the School of Nursing Admissions Office by the deadline.

Non-UNF courses do not appear on degree evaluations until UNF receives and processes official transcripts with final grades in your file.

SELECT One social science course

Any PSYXXXX, SOPXXXX, or SYGXXXX is acceptable.
**PSY2012 is a required prerequisite to DEP3054 at UNF.

DEP3054 Lifespan Developmental Psych (3 Credits)

DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.

Prerequisite: PSY2012

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.

HUN2201 Basic Prin Human Nutrition (3 Credits)

HUNX201, NURX192 or any Human Nutrition course may be substituted for HUN 2201.

MCB2010C Microbiology (4 Credits)

MCBX010C, MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.

Prerequisites: BSC1010c and CHM1025/1025L or CHM2045/2045L

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

Prerequisite: BSC1010c

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

Prerequisite: BSC2085c

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

Freshman Year Fall Semester (16 credits)

Freshman year/Fall semester

NUR3825 Concepts of Prof Nursing (3 Credits)

ENC1101 (GW) Audience and Purpose (3 Credits)

BSC1010C General Biology I (4 Credits)

MAC1105 (GM) College Algebra (3 Credits)

HUN2201 Basic Prin Human Nutrition (3 Credits)

Freshman Year Spring Semester (15 credits)

Freshman year/Spring semester

NUR4826 Ethical-Legal Conc in Nsg Hlth (2 Credits)

BSC2085C Human Anatomy and Physiology I (4 Credits)

CHEMISTRY Intro to Chemistry with lab

CHM1025/1025L Intro to Chemistry with lab OR

CHM2045/2045L General Chemistry I with lab

ENC1143 (GW) Evidence and Style (3 Credits)

PSY2012 Introduction to Psychology (3 Credits)

Freshman Year Summer Semester (10 credits)

Freshman year/Summer semester

FAN students may take MCB2010c Microbiology with lab during freshman/summer term and take BSC2086c A&P II with lab during sophomore/fall term instead.

GENERAL ED 3rd English

BSC2086C Human Anatomy & Physiology II (4 Credits)

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

Sophomore Year Fall Semester (16 credits)

Sophomore year/Fall semester

All BSN program prerequisites must be completed by the end of Sophomore year/Fall semester.

BSN-FAN students must attain college cumulative GPA and BSN prerequisite GPA of 3.0 or higher at the end of Sophomore year/Fall semester in order to remain in the program.

NUR3619 Family/Community Assessment (3-4 Credits)

MCB2010C Microbiology (4 Credits)

DEP3054 Lifespan Developmental Psych (3 Credits)

PHI2010 (GW)Introduction To Philosophy (3 Credits)

Or another FL state common Humanities course in consultation with an advisor

GENERAL ED Diversity and Difference

Sophomore Year Spring Semester (15 credits)

Sophomore year/Spring semester

NUR3028L Fund Nursing Concepts Practice (4-5 Credits)

NUR3128 Pharm Concepts for Nurse Prac (2 Credits)

NUR3065L Health Assessment (3 Credits)

HSC2100 Personal and Public Health (3 Credits)

Or another General Ed Critical Thinking class in consultation with an advisor.

ELECTIVE Any course at 1000-4000 level

Sophomore Year Summer Semester

Sophomore year/Summer semester

Take any remaining General Education and/or free electives that have not been completed yet.

00001

Junior Year Fall Semester (13 credits)

Junior year/Fall semester

NUR3531C Psych Mental Hlt Nsg Con Prac (3 Credits)

NUR3219C Chronic Rehab Nsg Conc Prac (4-5 Credits)

NUR3166 Introduction to Nursing Sci (2-3 Credits)

ELECTIVE Any course at 1000-4000 level

Junior Year Spring Semester (12 credits)

Junior year/Spring semester

NUR3255C Med Surg Nsg Conc Prac (5-6 Credits)

NUR4491C Women's Hlth Nsg Conc and Prac (3 Credits)

NUR4168 Research Translation (1 Credit)

ELECTIVE Any course at 1000-4000 level

Need 2-3 credits, depends on which Chemistry course you take in freshman year.

Junior Year Summer Semester

Junior year/Summer semester

Complete any remaining General Education and/or free electives.

00001

Senior Year Fall Semester (13 credits)

Senior year/Fall semester

NUR4256C Complex Nursing Concept/Prac (5-6 Credits)

NUR4351C Pediatric Nsg Conc and Prac (3 Credits)

NUR4827 Ldrshp Mgmt Concepts Nursing (3 Credits)

ELECTIVE Any course at 1000-4000 level

Need 2 credits

Senior Year Spring Semester (10 credits)

Senior year/Spring semester

NUR4636C Comm Partnerships/Nur Practice (4-5 Credits)

NUR4945C Profession Nursing Integration (3-7 Credits)

Minor: Health Education

Minor: Health Education (15 credits)

Must be completed with a grade of "C" or higher.

- Health Education Minor is required for Public Health concentration and is available to students pursuing Public Health concentration only.

HSC4102 Phys Activity and Publ Health (3 Credits)

HSC4133 Sexuality Education (3 Credits)

HSC4134 Mental/Emotional Health Ed (3 Credits)

HSC4150 Subst Abuse/Violence Prevent (3 Credits)

HSC4234 Hlth Educ Hlthy Eating (3 Credits)

Minor: Food Systems & Sustainability

Minor: Food Systems & Sustainability (15 credits)

This minor is available to all majors if allowable by the college.

FSS1202 Food Fundamentals (3 Credits)

HUN2201 Basic Prin Human Nutrition (3 Credits)

HSC3578 Food, Health and Society (3 Credits)

FSS3800 Seminar Food Sys & Sustain (3 Credits)

SELECT One course from below:

- DIE4940 Nutrition and Dietetic Field Experience
- Approved Study Abroad course

Major: Accounting

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Prerequisite(s) required: MAC 1105.

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Prerequisite(s) required: ACG 2021 and MAC 1105.

Acceptable substitute: ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX100C, CGSX518, CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Prerequisite(s) required: MAC 1105.

Acceptable substitute: MACX233 or MACX231

STA2023 (GM) Elem Statistics-Business (3 Credits)

Prerequisite(s) required: MAC 1105.

Acceptable substitute: STAX023, or STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is

required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (24 credits)

24 semester hours are required. Grade of "C" or better is required in all major courses. The department's one repeat rule applies to all of the major courses in accounting.

ACG3103 Intermediate Accounting I (3 Credits)

Prerequisite(s) required: ACG 2021. Co-requisite: CGS 1100

ACG3113 Intermediate Accounting II (3 Credits)

Prerequisite(s) required: ACG 3103

ACG3123 Intermediate Accounting III (3 Credits)

Prerequisite(s) required: ACG 3113

ACG4361 Cost Accounting (3 Credits)

Prerequisite(s) required: ACG 2071 and CGS 1100

ACG4401 Accounting Information Systems (3 Credits)

Prerequisite(s) required: ACG 3103

TAX3001 Federal Income Tax (3 Credits)

Prerequisite(s) required: ACG 2071

ACG4651 Auditing (3 Credits)

Prerequisite(s) required: ACG 3113 and ACG 4401

SELECT one elective course @ 3 credit

ACG or TAX (3000 - 4000 level) excluding TAX3721.

Consult the UNF Catalog for course prerequisites.

Business Electives (6 credits)

6 semester hours required. A grade of "C" or better is required in all courses in this area.

SELECT 1 course from:

(3000-4000) BUL, ECO, FIN, MAN, MAR, RMI, TRA.

Consult the UNF Catalog for course prerequisites.

SELECT one elective with 3 credits

ACG4251 International Accounting, FIN4604

International Finance, ECO3704 International Trade,

MAN4600 International Management, or MAR4156

International Marketing

Consult the UNF Catalog for course prerequisites.

Required Business (6 credits)

6 semester hours are required. A grade of "C" or better is required for all courses in this area.

ECO3203 Intermediate Macroeconomics (3 Credits)

Prerequisite(s) required: ECO 2013; Co-requisite: ECO 3411

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023 or approved equivalent

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the list on the Coggin Advising website

Major: International Business

Concentration: KEDGE to UNF

Degree: Bachelor of Business Admin.

Informational Text

The KEDGE/UNF double degree is an exciting opportunity to spend two years at KEDGE and two years at UNF, including a four to six month internship in the United States. Students who complete both the UNF and KEDGE requirements earn two degrees: a Bachelor of Business Administration from UNF and a Bachelor of International Business from KEDGE Business School.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the KEDGE Business School degree, additional requirements must be met. These are listed on your Osprey Map and on the KEDGE/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at KEDGE (France)
- completing a bachelor's thesis
- fulfilling internship experience in the United States

All courses must be completed with a 'C' or better

Visit the university catalog for a list of General Education requirements. Up to 27 credits of General Education requirements can be fulfilled by qualifying French Baccalaureate scores. Any General Education requirement not fulfilled by French Baccalaureate test scores will need to be completed at UNF, which may result in additional time spent at UNF. Select the Curriculum tab to see the French Baccalaureate Table on the KEDGE program website.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or
(ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN4720 is taken during the final semester of on-campus coursework, the semester prior to beginning the internship FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

Major Requirements (12 credits)

12 semester hours are required. All International Business Majors are required to participate in an approved international educational experience. Students are also required to complete the S.T.A.R Certification program with the Coggin Career Management Center prior to starting their mandatory internship.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

(ECO3701 & GEO3553 are specifically excluded) A grade of "C" or better is required in all courses in this area.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Students must complete the S.T.A.R Certification program prior to beginning their internship. The internship takes place in the United States during the student's final semester(s) at UNF. International students are responsible for procuring appropriate immigration documents within the necessary time frame.

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language. A grade of "C" or better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/JPN2200/GER2200/CHI2200/POR2200/RUS2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:

SPN2201/FRE2241/JPN2201/GER2201/CHI2201/POR2201/RUS2201

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area.

ISM4011 Intro Management Info Systems (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Non-Business Requirements (6 credits)

Select two courses (six hours) from one of the seven regional studies areas. One of the courses must satisfy the Coggin College of Business cultural diversity requirement.

http://www.unf.edu/coggin/advising/regional_studies.aspx

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the KEDGE concentration will satisfy this upon completion of their additional KEDGE requirements.

Major: Business Intelligence

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable Substitutes: ACGX021, ACGX022 or (ACGX001 & ACGX011). Prerequisite(s) required: MAC 1105

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable Substitute: (2-3 credit hours) ACGX071 or ACGX301 Prerequisite(s) required: ACG 2021 and MAC 1105.

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX518, CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C, or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable Substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX231 Prerequisite(s) required: MAC 1105

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122, or QMBX100. Prerequisite(s) required: MAC 1105.

Core Requirements (18 credits)

* 18 semester hours are required. * A grade of C or better is required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (30 credits)

30 semester hours are required. Grade of "C" or better required in all major courses.

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023 or approved equivalent

ISM4011 Intro Management Info Systems (3 Credits)

Prerequisite(s) required: MAN 3025 and CGS 1100

ISM4400 Enterprise App Intergration (3 Credits)

Prerequisite(s) required: ISM4011

ISM4220 Business Data Communications (3 Credits)

Prerequisite(s) required: ISM4011

ISM4210 Data and Information Mgt (3 Credits)

Prerequisite(s) required: ISM4011

ISM4113 Analysis and Design of Bus Sys (3 Credits)

Prerequisite(s) required: ISM4011

ISM4410 Business Intelligence (3 Credits)

SELECT Three (3) Major Electives

- ACG4401 Accounting Info Systems (prerequisite ACG3103)
- GIS3043 Intro to Graphic Info Systems
- HSA3191 Health Info Systems I
- MAN4082 E-Business Strategy (prerequisites MAN3025 and ISM4011)
- MAN4583 Project Management (prerequisites MAN3504 and ISM4011)
- Other 3/4000 level course with permission of the department chair

Business Electives (6 credits)

6 semester hours are required. A grade of "C" or better is required in all courses in this area.

SELECT one non-ISM business course

3000 or 4000 level course in:

ACG/BUL/ECO/ECP/ECS/FIN/GEB/GEO/GIS/MAN/MAR/REE/RMI/TAX/
TRA.

Consult the UNF Catalog for course prerequisites.

SELECT* another nonISM business course

3000 or 4000 level courses in:

ACG/BUL/ECO/ECP/ECS/FIN/GEB/GEO/GIS/MAN/MAR/REE/RMI/TAX/
TRA.

Consult the UNF Catalog for course prerequisites.

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or Summer 2019 will fulfill this course requirement.

AND one upper level elective

Choose a 3/4000 level course from outside the College of Business OR a Coggin upper level study abroad course

Major: International Business

Concentration: UNF to Alicante

Degree: Bachelor of Business Admin.

Informational Text

The UA/UNF double degree is an exciting opportunity to spend two years at the University of Alicante and two years at UNF, including a three month internship in Spain. Students who complete both UNF and UA requirements earn two degrees: a Bachelor of Business Administration from UNF and The Degree in Business Administration and Management ("Grado en Administracion y Direccion de Empresas") from the University of Alicante.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the University of Alicante degree, additional requirements must be met. These are listed on your Osprey Map and on the UA/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at UA (Spain)
- maintaining a minimum UNF GPA of 2.7 prior to studying at UA
- completing a bachelor's thesis
- fulfilling internship experience in Spain

All courses must be completed with a 'C' or better.

IB majors must apply for a passport in 1st semester

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites. Students are required to complete the Coggin Career Readiness Certificate with the Coggin Career Management Center by the end of their second year at UNF, prior to taking classes at the University of Alicante. Students must maintain a minimum of 2.7 GPA in order to study abroad at the University of Alicante in Spain.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or

(ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN 4720 is taken in a student's last semester, following completion of the internship in Spain. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720. For the suggested course sequence, visit your Osprey Map.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

Major Requirements (12 credits)

12 semester hours are required. All International Business Majors are required to participate in an approved international educational experience. FIN4604, MAN4600 and MAR4156 will be taken at University of Alicante. For the suggested course sequence, visit your Osprey Map.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

These courses are taken at the University of Alicante. A grade of "C" or better is required in all courses in this area.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Internship in Spain must be completed before final semester.

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. SPN 2200 and SPN 2201 must be taken for the Alicante double degree program. A grade of "C" or better is required for all courses in this area.

SPN2200 Intermediate Spanish I (3 Credits)

SPN2201 Intermediate Spanish II (3 Credits)

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. ECO 3411 will be taken at the University of Alicante. For the suggested course sequence, visit your Osprey Map.

ISM4011 Intro Management Info Systems (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Non-Business Requirements (6 credits)

Regional Studies courses will be taken at University of Alicante. For the suggested course sequence, visit your Osprey Map.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the UA concentration will satisfy this upon completion of their additional UA requirements.

EXPERIENCE International

Major: Business Management

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable Substitutes: ACGX021, ACGX022 or (ACGX001 & ACGX011). Prerequisite(s) required: MAC 1105

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable Substitute: (2-3 credit hours) ACGX071 or ACGX301 Prerequisite(s) required: ACG 2021 and MAC 1105.

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX518, CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C, or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable Substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: MACX233 or MACX231
Prerequisite(s) required: MAC 1105

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122, or QMBX100. Prerequisite(s) required: MAC 1105.

Core Requirements (18 credits)

* 18 semester hours are required. * A grade of C or better is required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (30 credits)

30 semester hours are required. Grade of "C" or better required in all major courses.

ISM4011 Intro Management Info Systems (3 Credits)

Prerequisite(s) required: MAN 3025 and CGS 1100

MAN4240 Organizational Behavior (3 Credits)

Prerequisite(s) required: MAN 3025

MAN4301 Human Resource Management (3 Credits)

Prerequisite(s) required: MAN 3025

MAN4550 Introduction to Mngmt Science (3 Credits)

Prerequisite(s) required: STA 2023 and MAC 2233

MAN4600 International Management (3 Credits)

Prerequisite(s) required: MAN 3025

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023 or approved equivalent

SELECT Four 3/4000 level MAN courses

Includes MAN/GEB/ISM/BUL Consult the UNF Catalog for course prerequisites

Business Electives (6 credits)

6 semester hours are required. A grade of "C" or better is required in all courses in this area.

SELECT one non-MAN business course

3000 or 4000 level course in:

ACG/BUL/ECO/ECP/ECS/FIN/GEB/GEO/MAR/REE/RMI/TAX/TRA/GIS (GEB4113 is specifically excluded).

Consult the UNF Catalog for course prerequisites.

SELECT* another nonMAN business course

3000 or 4000 level courses in:

ACG/BUL/ECO/ECP/ECS/FIN/GEB/GEO/MAR/REE/RMI/TAX/TRA/GIS (GEB4113 is specifically excluded).

Consult the UNF Catalog for course prerequisites.

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the list on the Coggin Advising website

Major: International Business

Concentration: UNF to Bremen

Degree: Bachelor of Business Admin.

Informational Text

The HSB/UNF double degree is an exciting opportunity to spend two years at Hochschule Bremen and two years at UNF, including a 15 week internship in Germany. Students who complete both UNF and HSB requirements earn two degrees: a Bachelor of Business Administration from UNF and The Bachelor Degree in Business Administration/International Management (BIM) from HSB.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the Hochschule Bremen degree, additional requirements must be met. These are listed on your Osprey Map and on the HSB/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at HSB (Bremen, Germany)
- maintaining a minimum UNF GPA of 2.7 prior to studying at HSB
- completing a bachelor's thesis
- fulfilling internship experience in the Germany

All courses must be completed with a 'C' or better.

IB majors must apply for a passport in 1st semester.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites. Students are required to complete the Coggin Career Readiness Certificate (former S.T.A.R. Certificate Program) with The Coggin Career Management Center by the end of their second year at UNF, prior to taking classes Hochschule Bremen.

Students must maintain a minimum 2.7 UNF GPA in order to study abroad at Hochschule Bremen.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or
(ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or
ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100,
CGSX530, CGSX570, CGSX060, CGSX531, CGSX000,
CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or
MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023,
STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN4720 is taken during the final semester, following completion of the internship in Germany. MAN3025, MAR3023 and FIN3403 must be completed prior to taking MAN4720. FIN304 is taken at Hochschule Bremen. For the suggested course sequence, visit your Osprey Map.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

Major Requirements (12 credits)

12 semester hours are required. All International Business Majors are required to participate in an approved international educational experience. ECO3704, MAN4600 and MAR 4156 will be taken at Hochschule Bremen. For the suggested course sequence visit your Osprey Map.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

A grade of "C" or better is required in all courses in this area. Major Electives will be taken at Hochschule Bremen.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956, ECS3013, ECS3403, ECS3303, FIN4956, FRE3430, GEB4956, GEO3502, MAN4064, MAN4654, MAN4956, MAR4956, SPN3013, TAX4901, TRA4721 OR TRA4956

Internships (3 credits)

Internship in Germany must be completed before final semester.

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. GER2200 and GER2201 must be taken for the Bremen double degree program. A grade of "C" or better is required for all courses in this area.

GER2200 Intermediate German I (3 Credits)

GER2201 Intermediate German II (3 Credits)

Non-Business Requirements (6 credits)

Regional Studies courses will be taken at Hochschule Bremen.
For the suggested sequence, visit your Osprey Map.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area.

ISM4011 Intro Management Info Systems (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the HSB concentration will satisfy this upon completion of their additional HSB requirements.

EXPERIENCE International

Major: Economics

Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

ECO2013 Principles of Macroeconomics (3 Credits)

ECO2023 Principles of Microeconomics (3 Credits)

or 2 courses with the ECO prefix

Major Requirements (15 credits)

ECO3421 Econometrics (3 Credits)

Prereq: ECO3411

ECO3101 Intermediate Microeconomics (3 Credits)

Prereq: ECO 2023

ECO3203 Intermediate Macroeconomics (3 Credits)

Prereq: ECO 2013 Coreq: ECO 3411

ECO3411 Business/Economic Statistics (3 Credits)

SELECT 1 INTERNATIONAL COURSE

- ECO 3704 International Trade
Prereq: ECO 2023
- ECO 4713 International Monetary System
Prereq: ECO 3203

Major Electives (9 credits)

A grade of C or better is required in all economics courses.

SELECT 2 FROM: (3000/4000)

- ECO ECP ECS
or GEO 3502 Economic Geography (3 credits) ECO 3701 /
ECP 3703 may not be used in the major

SELECT 1 FROM THE FOLLOWING

- UNF study abroad courses approved by the department chair
- Economics course (3000/4000) taken abroad
- This requirement may be replaced with another 3 credit economics course (3000/4000 level) upon approval by the department chair in the case of extenuating circumstances.

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being

determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (13 credits)

SELECT 13 HRS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: International Business

Concentration: UNF to KEDGE

Degree: Bachelor of Business Admin.

Informational Text

The KEDGE/UNF double degree is an exciting opportunity to spend two years at KEDGE and two years at UNF, including a four to six month internship in France. Students who complete both the UNF and the KEDGE requirements earn two degrees: a Bachelor of Business Administration from UNF and a Bachelor of International Business from KEDGE Business School.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the KEDGE Business School degree, additional requirements must be met. These listed on your Osprey Map and on the KEDGE/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at KEDGE (Marseille, France)
- maintaining a minimum UNF GPA of 2.7 prior to studying at KEDGE
- completing a bachelor's thesis
- fulfilling internship experience in France

All courses must be completed with 'C' or better.

IB majors must apply for a passport in 1st semester.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites.

Students are required to complete the S.T.A.R Certification program with the Coggin Career Management Center by the end of their second year at UNF, prior to taking classes at KEDGE Business School.

Students must maintain a minimum 2.7 UNF GPA in order to study abroad at KEDGE Business School in France.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN 4720 is taken in a student's last semester, following completion of the internship in France. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720. As of Fall 2021, BUL3130, MAN3025 will be taken at KEDGE Business School; MAR3023, FIN3403, MAN3504 and MAN4720 will be taken at UNF. For the suggested course sequence, visit your Osprey Map.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

Major Requirements (12 credits)

12 semester hours are required. All International Business Majors are required to participate in an approved international educational experience. MAN4600 and MAR4156 will be taken at KEDGE Business School. For the suggested course sequence, visit your Osprey Map.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

(ECO3701 & GEO3553 are specifically excluded) A grade of "C" or better is required in all courses in this area. Major Electives will be taken at KEDGE Business School. For the suggested course sequence, visit your Osprey Map.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Internship in France must be completed before final semester

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language. A grade of "C" or better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/JPN2200/GER2200/CHI2200/POR2200/RUS2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:

SPN2201/FRE2241/JPN2201/GER2201/CHI2201/POR2201/RUS2201

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. ISM 4011 will be taken at KEDGE Business School. For the suggested course sequence, visit your Osprey Map.

ISM4011 Intro Management Info Systems (3 Credits)

SELECT Select one course

ECO3411 or MAN4550 (Formerly QMB4900)

Non-Business Requirements (3 credits)

ENC3202 will be taken at UNF as part of the gen ed. For the suggested course sequence, visit your Osprey Map.

ENC3202 Prof. Comm. Business (3 Credits)

Non-Business Requirements (6 credits)

Regional Studies courses will be taken at KEDGE Business School. For the suggested course sequence, visit your Osprey Map.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the KEDGE concentration will satisfy this upon completion of their additional KEDGE requirements.

EXPERIENCE International

Major: Economics

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. A grade "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Prerequisite(s) required: MAC 1105. Acceptable substitute: ACGX021

ACG2071 Prin Managerial Accounting (3 Credits)

Prerequisite(s) required: MAC 1105 and ACG 2021. Acceptable substitute: ACGX071

CGS1100 Computer Applications for Busi (3 Credits)

acceptable substitute: CGSXXXX

ECO2013 Principles of Macroeconomics (3 Credits)

acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Prerequisite(s) required: MAC 1105. Acceptable substitute: MACX233 or MACX231

STA2023 (GM) Elem Statistics-Business (3 Credits)

Prerequisite(s) required: MAC 1105. acceptable substitute: STAX023

Core Requirements (18 credits)

18 semester hours are required A grade of "C" or better is required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits.

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (24 credits)

24 semester hours are required. Grade of C or better is required in all major courses. All economics majors are required to have an approved international educational experience. Examples of approved experiences include the following * Successful completion of an internship abroad * Successful participation in a Coggin-sponsored study abroad program * Successful participation in a student exchange program abroad * Studying another language abroad (must apply for passport in 1st semester of program)

ECO3203 Intermediate Macroeconomics (3 Credits)

Prerequisite(s) required: ECO 2013; Co-requisite: ECO 3411

ECO3101 Intermediate Microeconomics (3 Credits)

Prerequisite(s) required: ECO 2023

ECO3421 Econometrics (3 Credits)

Prerequisite(s) required: ECO 2013, ECO 2023 and ECO 3411

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023 or approved equivalent

SELECT One Course

ECO 3704 International Trade (Prerequisite required: ECO 2023) OR ECO 4713 International Monetary System (Prerequisite required: ECO 3203)

SELECT 3 Courses

(3000-4000) LEVEL ECO/ECP/ECS or GEO 3502
(Excluding ECO3701, ECP3703)

Consult the UNF Catalog for course prerequisites.

Required Business (3 credits)

3 semester hours are required. A grade of "C" or better is required for all courses in this area.

ISM4011 Intro Management Info Systems (3 Credits)

Prerequisite(s) required: MAN 3025 and CGS 1100

Business Electives (3 credits)

a grade of "C" or better is required in all courses in this area.

SELECT One course

3000 - 4000 level with prefix:
ACG/BUL/FIN/GEB/ISM/MAN/MAR/QMB/REE/RMI/TAX/TRA
Consult the UNF Catalog for course prerequisites

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the list on the Coggin Advising website

Free Electives (6 credits)

Select 6 hours from any 3000-4000 level courses.

SELECT Six hours

International Educational Experience

An international experience is required for all economics majors beginning Fall 2007 catalog year.

EXPERIENCE International

Major: International Business

Concentration: UNF to UV

Degree: Bachelor of Business Admin.

Informational Text

The UV/UNF double degree is an exciting opportunity to spend two years at the UNF and two years at the Univ of Valencia, including a four month internship in Spain. Students who complete both the UNF and the UV requirements earn two degrees: a Bachelor of Business Administration from UNF and a Bachelor of International Business from the University of Valencia.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the University of Valencia degree, additional requirements must be met. These are listed on your Osprey Map and on the UV/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at UV (Valencia, Spain)
- maintaining a minimum UNF GPA of 2.7 prior to studying at UV
- completing a bachelor's thesis
- fulfilling the internship experience in Spain

All courses must be completed with 'C' or better.

IB majors must apply for a passport in 1st semester.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites.

Students are required to complete the S.T.A.R Certification program with the Coggin Career Management Center by the end of their second year at UNF, prior to taking classes at the University of Valencia.

Students must maintain a minimum 2.7 UNF GPA in order to study abroad at University of Valencia in Spain.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or
(ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN 4720 is taken in a student's last semester, following completion of the internship in Spain. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720. MAR3023 will be taken at the University of Valencia. For the suggested course sequence, visit your Osprey Map.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for

MAN4720.

Major Requirements (12 credits)

12 semester hours are required. All International Business Majors are required to participate in an approved international educational experience. All four of these courses will be taken at University of Valencia. For the suggested course sequence, visit your Osprey Map.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

A grade of "C" or better is required in all courses in this area. Major Electives will be taken at the University of Valencia For the suggested course sequence, visit your Osprey Map.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Internship in Spain must be completed before final semester

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. SPN 2200 and SPN 2201 must be taken for the Valencia double degree program. A grade of "C" of better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/JPN2200/GER2200/CHI2200/POR2200/RUS2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:

SPN2201/FRE2241/JPN2201/GER2201/CHI2201/POR2201/RUS2201

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. ECO 3411 will be taken at the University of Valencia. For the suggested course sequence, visit your Osprey Map.

ISM4011 Intro Management Info Systems (3 Credits)

SELECT Select one course

ECO3411 or MAN4550 (Formerly QMB4900)

Non-Business Requirements (3 credits)

ENC3202 will be taken at UNF as part of the gen ed. For the suggested course sequence, visit your Osprey Map.

ENC3202 Prof. Comm. Business (3 Credits)

Non-Business Requirements (6 credits)

Regional Studies courses will be taken at University of Valencia. For the suggested course sequence, visit your Osprey Map.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Experimental Courses

All International Business majors are required to have an

international experience prior to graduation. Students with the UV concentration will satisfy this upon completion of their additional UV requirements.

EXPERIENCE International

Major: Finance

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 and ACGX011).

Prerequisite(s) required: MAC 1105

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitute: ACGX071 or ACGX301.

Prerequisite(s) required: ACG 2021 and MAC 1105.

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C.

CGSX518 or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: MACX233 or MACX231

Prerequisite(s) required: MAC 1105

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: STAX023, STAX122, or QMBX100

Prerequisite(s) required: MAC 1105

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" of better is

required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023, and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (12 credits)

12 semester hours required. Grade of "C" or better required for all courses in this area

FIN3303 Financial Institutions (3 Credits)

(formerly FIN3233)

Prerequisite(s) required: ECO 2013 and FIN 3403

FIN4504 Investments (3 Credits)

Prerequisite(s) required: FIN 3403

FIN4604 International Finance (3 Credits)

Prerequisite(s) required: FIN 3403

ISM4011 Intro Management Info Systems (3 Credits)

Prerequisite(s) required: MAN 3025 and CGS 1100

Electives (18 credits)

18 semester hours required. At least 6 credits must have the FIN prefix

SELECT Finance Electives

Take any combination of the following prefixes totaling 18 credit hours: (at least 6 credits must be FIN)

- FIN (3000 to 4000 level) FIN 3140 is excluded
- REE (3000 to 4000 level)
- RMI (3000 to 4000 level)
- ACG3103 Intermediate Accounting I
- ACG4361 Cost Accounting

Consult the UNF Catalog for course prerequisites.

Students can consider focusing their electives into one of the below areas of interest:

Corporate

- FIN4414 Financial Management II
- ACG 3103 Intermediate Accounting I
- ACG 4361 Cost Accounting
- FIN4461 Financial Statement Analysis
- RMI4135 Employee Benefit Plans
- Plus one additional FIN, REE or RMI elective

Investment

- FIN4514 Security Analysis/Portfolio Mgmt
- FIN4556 Behavioral Finance
- FIN4461 Financial Statement Analysis
- REE4043 Real Estate Analysis
- FIN4533 Derivatives
- Plus one additional FIN, REE or RMI elective

Real Estate

- REE4043 Real Estate Analysis
- REE4303 Real Estate Finance/Investment
- Plus two FIN electives
- Plus two FIN, REE or RMI electives

Required Business (6 credits)

6 semester hours are required. A grade of "C" or better is required for all courses in this area.

ECO3203 Intermediate Macroeconomics (3 Credits)

Prerequisite(s) required: ECO 2013. Co-requisite: ECO 3411

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023 or approved equivalency

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the list on the Coggin Advising website

Major: International Business

Concentration: UV to UNF

Degree: Bachelor of Business Admin.

Informational Text

The UV/UNF double degree is an exciting opportunity to spend two years at the Univ of Valencia and two years at UNF, including a four month internship in the United States. Students who complete both UNF and UV requirements earn two degrees: a Bachelor of Business Administration from UNF and a Bachelor of International Business from the University of Valencia.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the University of Valencia degree, additional requirements must be met. These are listed on your Osprey Map and on the UV/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at UV (Spain)
- completing a bachelor's thesis
- fulfilling internship experience in the United States

All courses must be completed with a 'C' or better.

Visit the university catalog for a list of General Education requirements.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites. All prerequisites, excluding MAC2233, are taken at the University of Valencia.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or
(ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or
ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN4720 is taken during the final semester of on-campus coursework, the semester prior to beginning the internship. FIN3403, MAN3025, & MAR3023 are taken at the University of Valencia and must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

(12 credits)

12 semester hours are required. ECO 3704 is taken at the University of Valencia. All International Business Majors are required to participate in an approved international educational experience. Students are also required to complete the S.T.A.R Certification program with the Coggin Career Management Center prior to starting their mandatory internship.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

These courses are taken at the University of Valencia. A grade of "C" or better is required in all courses in this area.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Students must complete the S.T.A.R Certification program prior to beginning their internship. The internship takes place in the United States during the student's final semester(s) at UNF. International students are responsible for procuring appropriate immigration documents within the necessary time frame.

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language. A grade of "C" or better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/JPN2200/GER2200/CHI2200/POR2200/RUS2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:

SPN2201/FRE2241/JPN2201/GER2201/CHI2201/POR2201/RUS2201

Non-Business Requirements (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. One of the courses must satisfy the Coggin College of Business cultural diversity requirement.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. ECO 3411 is taken at the University of Valencia.

ISM4011 Intro Management Info Systems (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the UV concentration will satisfy this upon completion of their additional UV requirements.

EXPERIENCE International

Major: Financial Planning

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required for all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable substitute: ACGX021, ACGX022 or (ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Prerequisite(s) required: ACG 2021 and MAC 1105 Acceptable substitute: ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX100C, CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable substitute: MACX233 or MACX231

STA2023 (GM) Elem Statistics-Business (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable substitute: STAX023, STAX122, or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (30 credits)

This program requires 30 hours in the major. A grade of "C" or better is required in all major courses. (There are no substitutions allowed for FIN4504, FIN4514, FIN4132, FIN4128, RMI3011, & RMI4135.) (TAX3001 may be substituted for TAX3721) It is important to follow your Osprey Map for course sequencing of your Financial Planning major courses. FIN4556 Behavioral Finance should not be planned to take in the same semester as FIN4132 or FIN4128 as there will likely be a time conflict.

FIN3124 Financial Planning (3 Credits)

Co-requisite required: FIN 3403

FIN4504 Investments (3 Credits)

Prerequisite(s) required: FIN 3403

MAR4400 Professional Selling (3 Credits)

Prerequisite required: MAR3023

TAX3721 Tax Plan in Financial Decision (3 Credits)

Prerequisite(s) required: ACG 2021; Co-requisite required: FIN 3124

FIN4514 Securities Analysis/Portf Mgmt (3 Credits)

Prerequisite(s) required: FIN 4504

RMI4135 Employee Benefit Plans (3 Credits)

Prerequisite(s) required: MAN 3025; Co-requisite: FIN 3124

RMI3011 Risk Management and Insurance (3 Credits)

Co-requisite required: FIN 3124

FIN4132 Estate Planning (3 Credits)

Prerequisite(s) required: TAX 3721

FIN4128 Financial Plan Development (3 Credits)

Prerequisite(s) required: FIN 4504, RMI 3011, RMI 4135, and TAX 3721; Co-requisite required: FIN 4132

SELECT ONE Course

Take either: FIN 4556 Behavioral Finance (prereq: FIN 4504) OR FIN 4940 Financial Planning Internship

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area.

ECO3203 Intermediate Macroeconomics (3 Credits)

Prerequisite(s) required: ECO 2013; Co-requisite: ECO 3411

ECO3411 Business/Economic Statistics (3 Credits)

Prerequisite(s) required: STA 2023 or approved equivalency

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the list on the Coggin Advising website

Major: International Business

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable
substitute: ACGX021, ACGX022 or (ACGX001 and
ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Prerequisite(s) required: ACG 2021 and MAC 1105
Acceptable substitution: (2-3 credit hours) ACGX071 or
ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100,
CGSX530, CGSX570, CGSX060, CGSX531, CGSX000,
CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable
substitute: (3-4 credit hours) MACX233 or MACX231

STA2023 (GM) Elem Statistics-Business (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable
substitute: (3-4 credit hours) STAX023, STAX122 or
QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN4720 is taken in a student's last semester.

- A Mandatory Workshop for IB majors is required. See your academic advisor for more information

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (12 credits)

12 semester hours are required **All International Business Majors are required to an approved international educational experience. Examples of approved experiences include the following:

- Successful completion of an internship abroad
- Successful participation in a Coggin-Sponsored semester abroad or "Coggin In..." summer program. (minimum of 4 weeks)
- Successful participation in a student exchange program

abroad.

- studying another language abroad.

IB majors must apply for a passport in 1st semester. - Fulfill 6 or more credits of these requirements by studying abroad! (visit website for available programs: www.unf.edu/coggin/abroad.)

** All International Business students are also required to complete the Star Certification program with the Coggin Career Management Center prior to starting the search for their mandatory internship.

ECO3704 International Trade (3 Credits)

Prerequisite(s) required: ECO 2023

FIN4604 International Finance (3 Credits)

Prerequisite(s) required: FIN 3403

MAN4600 International Management (3 Credits)

Prerequisite(s) required: MAN 3025

MAR4156 International Marketing (3 Credits)

Prerequisite(s) required: MAR 3023

Major Electives (6 credits)

(ECO3701 & GEO3553 are specifically excluded) A grade of "C" or better is required in all courses in this area. - Fulfill 3-6 credits of this requirement by studying abroad ! Consider a semester abroad or our 4-week "Coggin In ... " summer programs (visit website for available programs www.unf.edu/coggin/abroad.)

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Consult the UNF Catalog for course prerequisites.

Internships (3 credits)

Internship must be completed before final semester.

GEB3361 International Business Interns (1-20 Credits)

Must be approved by Career Management Center prior to registration.

Refer to the IB Internship Application or your academic advisor for prerequisites.

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language. A grade of "C" or better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/GER2200/CHI2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:

SPN2201/FRE2241/GER2201/CHI2201

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area.

ISM 4011 Intro Mgmt Info Systems

Prerequisite(s) required: MAN 3025 and CGS 1100

SELECT Select one course

ECO3411 (prerequisite: STA 2023) OR or MAN4550
(prerequisites MAC 2233 and STA 2023)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Non-Business Requirements (6 credits)

Select two courses (six hours) from one of the seven regional studies areas. One of the courses must satisfy the Coggin College of Business cultural diversity requirement.

http://www.unf.edu/coggin/advising/regional_studies.aspx - Fulfill 3-6 credits of this requirement by studying abroad ! Consider a semester abroad or our 4-week "Coggin In " summer programs

(visit website for available programs:
www.unf.edu/coggin/abroad.)

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

International Educational Experience

All International Business majors are required to have an international experience prior to graduation. Beginning in Fall 2013 IB majors must complete a minimum of 4 weeks abroad.

EXPERIENCE International

Major: International Business

Concentration: Alicante to UNF

Degree: Bachelor of Business Admin.

Informational Text

The UA/UNF double degree is an exciting opportunity to spend two years at the University of Alicante and two years at UNF, including a three month internship in the United States. Students who complete both UNF and UA requirements earn two degrees: a Bachelor of Business Administration from UNF and The Degree in Business Administration and Management ("Grado en Administracion y Direccion de Empresas") from the University of Alicante.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the University of Alicante degree, additional requirements must be met. These are listed on your Osprey Map and on the UA/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at UA (Spain)
- completing a bachelor's thesis
- fulfilling internship experience in the United States

All courses must be completed with a 'C' or better.

Visit the university catalog for a list of General Education requirements.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites. All prerequisites, excluding ACG2071 and CGS1100, are taken at the University of Alicante.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or

ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN4720 is taken during the final semester of on-campus coursework, the semester prior to beginning the internship. MAN3025, MAR3023 and FIN3403 must be completed prior to taking MAN4720. MAN3025, MAN3504 and MAR3023 are taken at the University of Alicante.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

Major Requirements (12 credits)

12 semester hours are required. Students are also required to complete the Coggin Career Readiness Certificate program with the Coggin Career Management Center prior to starting their mandatory internship.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

A grade of "C" or better is required in all courses in this area.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Students must complete the Coggin Career Readiness Certification program prior to beginning their internship. The internship takes place in the United States during the student's final semester(s) at UNF. International students are responsible for procuring appropriate immigration documents within the necessary time frame.

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language. A grade of "C" or better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/JPN2200/GER2200/CHI2200/POR2200/RUS2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:

SPN2201/FRE2241/JPN2201/GER2201/CHI2201/POR2201/RUS2201

Non-Business Requirements (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. One of the courses must satisfy the Coggin College of Business cultural diversity requirement.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area. ECO 3411 is taken at the University of Alicante.

ISM4011 Intro Management Info Systems (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the UA concentration will satisfy this upon completion of their additional UA requirements.

EXPERIENCE International

Major: Marketing

Degree: Bachelor of Business Admin.

Prerequisites (21 credits)

21 semester hours are required. Grade of "C" or better is required in all prerequisites.

ACG2021 Prin of Financial Accounting (3 Credits)

Prerequisite(s) required: MAC 1105 Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Prerequisite(s) required: ACG 2021 and MAC 1105 Acceptable substitute: (2-3 credit hours) ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX518, CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Prerequisite(s) required: MAC 1105. Acceptable substitute: (3-4 credit hours) MACX233 or MACX231

STA2023 (GM) Elem Statistics-Business (3 Credits)

Prerequisite(s) required: MAC 1105. Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses.

BUL3130 Legal Environment of Business (3 Credits)

Prerequisite(s) required: 20 or more earned credits

FIN3403 Financial Management (3 Credits)

Prerequisite(s) required: ACG 2071, ECO 2023 and STA 2023

MAN3025 Principles of Management (3 Credits)

Prerequisite(s) required: 36 or more earned credits

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

Prerequisite(s) required: STA 2023

MAN4720 Strategic Mgmt Business Policy (3 Credits)

Prerequisite(s) required: FIN 3403, MAN 3025 and MAR 3023; must be taken in final semester.

Students must submit an online MAN 4720 application before registration.

- Fall policy applications available June 1-30
- Spring policy applications available October 1-31
- Summer policy applications available March 1-31

Major Requirements (24 credits)

24 semester hours are required. A grade of "C" or better is required in all major courses.

MAR4503 Consumer Behavior (3 Credits)

Prerequisite(s) required: MAR 3023

MAR4613 Marketing Research Information (3 Credits)

Prerequisite(s) required: MAR 3023

MAR4803 Strategic Marketing (3 Credits)

Prerequisite(s) required: MAR 4503 and MAR 4613

SELECT One of these Marketing courses

MAR4721 Digital Marketing Strategy (Prerequisite required: MAR 3023)

MAR4325 Social Media Marketing (Prerequisite required: MAR 3023)

MAR4615 Introduction to Marketing Analytics (Prerequisite required: MAR 3023 and STA 2023)

SELECT Four 3000-4000 level Marketing

Includes courses with a MAR prefix. Consult the UNF Catalog for course prerequisites.

Required Business (12 credits)

A grade of "C" or better is required for all courses in this area.

SELECT ONE course

Either ECO 3411 (Prerequisite required: STA 2023) OR
MAN 4550 (Prerequisites required: STA 2023 or MAC 2233)

SELECT ONE International Bus. Course

ACG4251 International Accounting, MAN4600
International Mgmt , MAR4156 International Marketing,
TRA4721 International Logistics, FIN4604 International
Finance, ECO3704 International Trade
Consult the UNF Catalog for course prerequisites.

SELECT TWO Courses (6 Credits)

(3000-4000) LEVEL ACG BUL ECO ECP ECS FIN GEB
GEO ISM MAN MAR QMB REE RMI TAX TRA
Consult the UNF Catalog for course prerequisites.

Non-Business Requirements (6 credits)

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

ENC3202 Prof. Comm. Business (3 Credits)

ENC 3250 Business Communication taken Spring or
Summer 2019 will fulfill this course requirement.

AND one cultural diversity course

The Cultural Diversity course should be chosen from the list on the Coggin Advising website

Major: International Business

Concentration: Bremen to UNF

Degree: Bachelor of Business Admin.

Informational Text

The HSB/UNF double degree is an exciting opportunity to spend two years at Hochschule Bremen and two years at UNF, including a 15 week internship in the United States. Students who complete both UNF and HSB requirements earn two degrees: a Bachelor of Business Administration from UNF and The Bachelor Degree in Business Administration/International Management (BIM) from HSB.

The degree evaluation below reflects only the requirements to earn the UNF degree. In order to earn the Hochschule Bremen degree, additional requirements must be met. These are listed on your Osprey Map and on the HSB/UNF program website under the Curriculum tab; they include the following:

- completing additional coursework at Bremen
- completing a bachelor's thesis
- fulfilling internship experience in the United States

All courses must be completed with a 'C' or better.

Visit the university catalog for a list of General Education requirements.

Prerequisites (21 credits)

21 semester hours are required. A grade of "C" or better is required in all prerequisites. All prerequisites, excluding MAC2233 and CGS1100 are taken at Hochschule Bremen.

ACG2021 Prin of Financial Accounting (3 Credits)

Acceptable substitute: ACGX021, ACGX022 or
(ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitution: (2-3 credit hours) ACGX071 or
ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 credit hours) CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 Principles of Macroeconomics (3 Credits)

Acceptable substitute: ECOX013

ECO2023 Principles of Microeconomics (3 Credits)

Acceptable substitute: ECOX023

MAC2233 (GM)Calculus for Business (3 Credits)

Acceptable substitute: (3-4 credit hours) MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: (3-4 credit hours) STAX023, STAX122 or QMBX100

Core Requirements (18 credits)

18 semester hours are required. A grade of "C" or better is required in all core courses. MAN4720 is taken during the final semester of on-campus coursework, the semester prior to beginning the internship. MAN3025, MAR3023 and FIN3403 must be completed prior to MAN4720. BUL3130, MAN3025, & MAR3023 are taken at Hochschule Bremen.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must pre-apply at www.unf.edu/coggin for MAN4720.

Major Requirements (12 credits)

12 semester hours are required. Students are also required to complete the Career Readiness Certificate program with the Coggin Career Management Center prior to starting their mandatory internship.

ECO3704 International Trade (3 Credits)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (3 Credits)

MAR4156 International Marketing (3 Credits)

Major Electives (6 credits)

A grade of "C" or better is required in all courses in this area.

SELECT 2 from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4956,
ECS3013, ECS3403, ECS3303, FIN4956, FRE3430,
GEB4956, GEO3502, MAN4064, MAN4654, MAN4956.
MAR4956, SPN3013, TAX4901, TRA4721 OR
TRA4956

Internships (3 credits)

Students must complete the Coggin Career Readiness Certificate program prior to beginning their internship. The internship takes place in the United States during the student's final semester(s) at UNF. International students are responsible for procuring appropriate immigration documents within the necessary time frame.

GEB3361 International Business Interns (1-20 Credits)

Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language. A grade of "C" or better is required for all courses in this area.

SELECT* Intermediate I Foreign Lang.

Take three credit hours:

SPN2200/FRE2240/JPN2200/GER2200/CHI2200/POR2200/RUS2200

SELECT** Intermediate II Foreign Lang.

Take additional three credit hours of same Language:
SPN2201/FRE2241/JPN2201/GER2201/CHI2201/POR2201/RUS2201

Non-Business Requirements (6 credits)

Select two courses (six hours) from one of the seven regional studies areas. A grade of "C" or better is required for all courses in this area. One of the courses must satisfy the Coggin College of Business cultural diversity requirement.

ASIAN Studies option

EUROPEAN Studies

LATIN AMER Studies Option

MID EAST & African Studies option

INTER REL International Relations Option

FRENCH LAN French Language Option

SPANISH Language Option

Required Business (6 credits)

Six semester hours are required. A grade of "C" or better is required for all courses in this area.

ISM4011 Intro Management Info Systems (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

Non-Business Requirements (3 credits)

ENC3202 Prof. Comm. Business (3 Credits)

Experimental Courses

All International Business majors are required to have an international experience prior to graduation. Students with the HSB concentration will satisfy this upon completion of their additional HSB requirements.

EXPERIENCE International

Minor: Business Administration

Minor: Business Administration (30 credits)

This minor is available for all majors where allowed, except business majors. A grade of "C" or better is required for all minor courses. A minimum of 12 credits of upper-level course work must be taken at UNF as part of the minor.

- Transient/concurrent enrollment at other institutions is not permitted.
- MAC1105 College Algebra is a prereq to ACG2021
- Prerequisites are strictly enforced.

PREREQS Business Administration

- ACG 2021 Prin of Financial Accounting
- ACG 2071 Prin of Managerial Accounting
- CGS 1100 Computer Applications for Bus
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics
- STA 2023 G(M) Elem Statistics-Business

FIN3403 Financial Management (3 Credits)

MAN3025 Principles of Management (3 Credits)

SELECT 2 courses from list:

- BUL 3130 Legal Environment of Business
- MAN 3504 Production/Operations and Logistics
- MAR 3023 Principles of Marketing

Minor: Finance

Minor: Finance (36 credits)

This minor is available to all majors where allowed. In addition to the prerequisites, 15 semester hours are required, 9 of which must be taken at UNF. A grade of "C" or better is required.

- Transient/concurrent enrollment at other institutions is not permitted.

PREREQS Finance

- ACG 2021 Prin of Financial Accounting
- ACG 2071 Prin of Managerial Accounting
- CGS 1100 Computer Applications for Bus
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics
- STA 2023 G(M) Elem Statistics-Business
- MAC 2233 Calculus for Business

MINOR Requirements

- FIN 3303 Financial Markets & Institutions (formerly FIN3233)
- FIN 3403 Financial Management
- FIN 4504 Investments

ELECTIVES Finance

Accounting Majors may not use TAX 3721.

Financial Services Majors may not use FIN 3140.

A student must choose any 2 courses from the following: (Any combination will work)

- RMI 4135 Employee Benefits Plans
- RMI 3011 Risk Management and Insurance
- ACG 4944 Small Business Counseling
- ECO 4223 Monetary Economics
- TAX 3721 Tax Planning and Financial Decisions
- FIN 3000-4000 Level
- REE 3000-4000 Level

Minor: Business Management

Minor: Business Management (12 credits)

This minor is available only to students majoring outside Business. The minor requires 12 semester hours which must be taken at UNF. A grade of C or better is required in all courses. Transient/concurrent enrollment at another institution is not permitted.

MAN3025 Principles of Management (3 Credits)

SELECT 3 Management courses (9)

Select three (3) additional 3000-4000 level courses from GEB 4113, GEB 3132 or any MAN, ISM, or BUL prefix for a total of 9.0 credit hours.

Minor: GIS and Economic Geography

Minor: GIS and Economic Geography (15 credits)

* Student must take a minimum of 12 hours of course work in Geography at UNF. * A grade of "C" or better is required in all minor courses, including any pre-requisites. * This minor is available to any UNF major (Where allowable - see your academic advisor)

GEO3502 Economic Geography (3 Credits)

(Prerequisite required: Principles of Economics or permission of instructor)

GIS3043 Introduction to GIS (3 Credits)

or equivalent course, by permission of Chair

GIS4048 Intermediate GIS (3 Credits)

or equivalent course, by permission of Chair
(prerequisite required GIS3043)

SELECT two courses

- GEO 2200 Physical Geography (3 credits)
- GEO 2420 CD Cultural Geography (3 credits)
- GEO 3372 Conservation of Natural Resources (3 credits)
- GEA 3405 Geography of Latin America and the Caribbean (3 credits)
- GEO 3553 Cultural Dimensions of Economic Geography (3 credits)
- GEO 4905 Directed Independent Study (3 credits)
(Prerequisite required: permission of Department Chair)
- GEO 4930 Special Topics in Geography (3 credits)
(Prerequisite required: permission of instructor)
- GEO 4956 Study Abroad in Geography (3 credits) or equivalent course, by permission of Chair

Minor: Digital Marketing

Minor: Digital Marketing (12 credits)

This minor is available only to students majoring outside the College of Business. The minor requires 12 semester hours which must be taken at UNF. A grade of C or better is required in all courses. Transient/Concurrent enrollment at another institution is not permitted.

MAR3023 Principles of Marketing (3 Credits)

MAR3702 Principles of Digital Transfor (3 Credits)

SELECT One Course (3)

Select One of the following: MAR4721 Digital Marketing Strategy (prereq MAR3023), MAR4325 Social Media Marketing Strategy (prereq MAR3023), OR MAR4615 Introduction to Marketing Analytics (prereq MAR 3023 & STA 2023)

SELECT One MAR elective (3)

Choose one 3/4000 level Marketing elective

Minor: Human Resource Management

Minor: Human Resource Management (15 credits)

This minor is available only to students majoring in Business. The minor requires 15 semester hours which must be taken at UNF. A grade of C or better is required in all courses.

- Transient/concurrent enrollment at another institution is not permitted.

MAN4301 Human Resource Management (3 Credits)

MAN4361 Organizational Staffing (3 Credits)

MAN4334 Reward Systems Management (3 Credits)

MAN4312 Employee Relations Management (3 Credits)

SELECT 1 HR elective

Select one (1) course from the following:

- MAN 4390 Current Issues Human Resource Mngt (3 credits)
- MAN 4940 Internship in Human Resource Mngt (3 credits)
- MAN 4956 Study Abroad in Mngt (3 credits)

Minor: Human Resource Management (18 credits)

This minor is available only to students majoring outside of Business. The minor requires 18 semester hours which must be taken at UNF. A grade of C or better is required in all courses.

- Transient/concurrent enrollment at another institution is not permitted.

MAN3025 Principles of Management (3 Credits)

MAN4301 Human Resource Management (3 Credits)

MAN4361 Organizational Staffing (3 Credits)

MAN4334 Reward Systems Management (3 Credits)

MAN4312 Employee Relations Management (3 Credits)

SELECT 1 HR elective

Select one (1) course from the following:

- MAN 4390 Current Issues Human Resource Mngt (3 credits)
- MAN 4940 Internship in Human Resource Mngt (3 credits)
- MAN 4956 Study Abroad in Mngt (3 credits)

Minor: Digital Mkting & Analytics

Minor: Digital Mkting & Analytics (12 credits)

This minor is only available to students majoring in Business. The minor requires 12 semester hours which must be taken at UNF. MAR3023 is a prerequisite to the minor. A grade of C or better is required in all courses. Transient/concurrent enrollment at another institution is not permitted.

MAR4721 Digital Marketing Strategy (3 Credits)

MAR4615 Intro to Marketing Analytics (3 Credits)

MAR4325 Social Media Marketing (3 Credits)

SELECT Marketing elective (3)

Choose one 3/4000 level Marketing elective

Minor: International Business

Minor: International Business (15 credits)

This minor is available only to students majoring in Business. The minor requires 15 semester hours of which 9 must be taken at UNF. A grade of C or better is required in all courses. IB minors are permitted to take up to 12 minor hours abroad IF they are taking the courses at a Coggin College exchange partner institution.

- Transient/concurrent enrollment at another institution is not permitted.

MINOR Requirements

A student must take:

- ECO 3704 International Trade
- FIN 4604 International Finance
- MAN 4600 International Management

SELECT 1 course from list:

- MAR 4156 International Marketing
- TRA 4721 International Logistics

SELECT 1 course from list:

- HIS 3000-4000 level
- GEO 3000-4000 level
- ASH 3000-4000 level
- EUH 3000-4000 level
- LAH 3000-4000 level
- Any 3000-4000 level Coggin study abroad course

Minor: International Business (12 credits)

This minor is available only to students majoring in programs outside of the Coggin College of Business. The minor requires 12 semester hours. A grade of 'C' or better is required in all courses. IB minors are permitted to take up to 9 minor hours abroad IF they are taking courses at a Coggin College of Business or UNF exchange partner institution. A minimum of 6 credits must be upper level business courses.

- Transient/concurrent enrollment at another institution is not permitted.

ECO3701 CD-Contemporary Intl Eco (3 Credits)

SELECT Choose 3 courses (9 cr)

Choose 3 additional courses from the following categories A, B, C and D, at least 1 of which should be an upper-level business course.

- A. SEMESTER ABROAD Select up to 3 courses at a Coggin or UNF exchange partner institution.
- B. BUSINESS Select up to 3 courses from the following: ACG 4956, ECO 4956, GEO 4956, FIN 4956, MAR 4956, MAN 4956, TRA 4956, BUL 3130, MAN 3025, MAN 4143, MAN 4064, MAN 4600, GEB 4941, MAR 3023, MAR 4156, TRA 4721, ECS 3013, ECS 3403, GEO 3502, GEO 3553, GIS 3043, FIN 3403, FIN 4604, other elective course approved by IB Director.
- C. SELECT up to 1 course (3000 to 4000 level) from the following prefixes: HIS, GEO, ASH, EUH, LAH.
- D. LANGUAGES Select up to 1 course (2000 to 4000 level) from the following prefixes: SPN, FRE, GER, CHI.

Minor: Economics

Minor: Economics (18 credits)

18 semester hours are required. Of the 12 hours required at the upper level at least 6 must be taken at UNF. Grade of "C" or better is required in all minor courses. This minor is available to all majors where allowed.

- Transient/concurrent enrollment at other institutions is not permitted.

PREREQS Economics

- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

ECO3101 Intermediate Microeconomics (3 Credits)

ECO3203 Intermediate Macroeconomics (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

SELECT 1 course from list

- ECO 3000-4000 level excluding ECO 3701
- ECP 3000-4000 level excluding ECP 3703
- ECS 3000-4000 level
- GIS 3000-4000 level

Minor: Marketing

Minor: Marketing (12 credits)

This minor is available only to students majoring outside of Business. The minor requires 12 semester hours which must be taken at UNF. A grade of C or better is required in all courses.

- Transient/concurrent enrollment at another institution is not permitted.

MAR3023 Principles of Marketing (3 Credits)

MAR4503 Consumer Behavior (3 Credits)

SELECT 2 Marketing courses

Select two (2) additional 3000-4000 level courses from the MAR prefix for a total of 6.0 credit hours.

Minor: Marketing (12 credits)

This minor is available only to students majoring in Business. The minor requires 12 semester hours which must be taken at UNF. MAR 3023 is a prerequisite to the minor. A grade of C or better is required in all courses.

- Transient/concurrent enrollment at another institution is not permitted.

MAR4503 Consumer Behavior (3 Credits)

MAR4613 Marketing Research Information (3 Credits)

SELECT 2 Marketing courses

Select two (2) additional 3000-4000 level courses from the MAR prefix for a total of 6.0 credit hours. Excluding MAR 3023.

Minor: Entrepreneurship

Minor: Entrepreneurship (12 credits)

This minor is available to all majors if allowed by college.

Conditions for Minor:

- Students must take a minimum of 12 hours of upper-level course work in Entrepreneurship at UNF.
- A grade of "C" or better is required for all minor courses, including prerequisites.
- Transient/concurrent enrollment at other institutions is not permitted.

GEB4113 Entrepreneurship (3 Credits)

MAN4294 Creativity and Innovation (3 Credits)

GEB3132 Family Business Management (3 Credits)

SELECT 1 course from list:(3)

- GEB3105 Small Business Money Management
- GEB3154 Entrepreneurial Marketing
- GEB4942 Entrepreneurial Internship
- GEB4104 Small Business Consulting

Major: Financial Analytics Cert. Degree: Undergraduate Certificate

Certificate Requirements (12 credits)

Students are able to obtain the Financial Analytics Certificate only if they are admitted to the courses that require an interview.

Admission to FIN 4560, FIN 4561, FIN 4540 & FIN 4453 is subject to interview with instructor. Students must also obtain a GPA of 4.0 in the four required courses to earn the certificate.

FIN4453 Financial Modeling (3 Credits)

FIN4540 Fixed Income Analysis (3 Credits)

FIN4560 Student Managed Fund Invest I (3 Credits)

FIN4561 Student Managed Invest Fund II (3 Credits)

Major: Anthropology

Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of "C" or above.

TAKE 2 INTRO ANTHRO. (1000/2000)

- ANT

Major Requirements (21 credits)

- The courses in this area are usually offered Fall & Spring.
Grades of "C" or higher required in all courses.

ANT3933 Seminar in Anthropology (3 Credits)

Fall semester of junior year

ANT3610 Linguistic Anthropology (3 Credits)

Fall semester of junior year

ANT3514 Princ of Physical Anthropology (3 Credits)

Spring semester of senior year

ANT3101 Fundamentals of Archaeology (3 Credits)

ANT3414 Princ Socio Cult Anthro (3 Credits)

SELECT ONE FROM THE FOLLOWING

ANT 4034 Survey Anthropological Theories (3 Credits)

ANT 4115 Archaeological Research Strategies (3
Credits)

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 Credits)
- ANT 4497 Ethnographic Methods(previous course # ANT4801)
(3 Credits)

Major Electives (15 credits)

Only Two courses may be Foreign Culture (FC) Designated courses.

SELECT 5 FROM THE FOLLOWING:

- ANT 4821 Archaeological Field Methods (3-6 Credits)
- ANT 4180 Archeological Lab Methods (3 Credits)
- ANT 4620 Language, Culture, and Society (3 Credits)
- ANT 4497 Ethnographic Methods (3 Credits)
- ANT 4905 Directed Independent Study in Anthropology (3 Credits)
- ANT 4931 Selected Topics in Cultural Anthropology (3 Credits)
- ANT 4083 Quantitative Methods in Anthropology (3 Credits)
- ANT 4274 Political Anthropology (3 Credits)
- ANT 4444 Cities & Globalization (3 Credits)
- ANT 4158 Florida Archeology (3 Credits)
- ANT 3243 Comparative Muslim Cultures (3 Credits)
- ANT 4241 Anthropology of Religion (3 Credits)
- ANT 3355 The African Diaspora (3 Credits)
- ANT 4451 Anthropology of Race (3 Credits)
- ANT 3311 (FC) Indians of the Southeast U.S. (3 Credits)
- ANT 3212 CD-(FC) People & Cultures of the World (3 Credits)
- ANT 3312 CD-(FC) North American Indians (3 Credits)
- ANT 4352 (FC) People & Cultures of Africa (3 Credits)
- ANT 4362 (FC) People & Cultures of South East Asia (3 Credits)
- ANT 4025 Anthropology of Death (3 Credits)
- ANT 3462 Health, Illness and Culture (3 Credits)
- ANT 4970 Honors Thesis in Anthropology (3 Credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required

to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (1 credits)

ELECTIVES 1 HR @ 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed

to graduate).

Major: Music Performance
Concentration: Music Technology & Production
Degree: Bachelor of Music

Freshman Year Fall Semester (11 credits)

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MVK1111 Class Piano I (1 Credit)

- Students may take a piano proficiency test to waive the class piano sequence.

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS3340 Computer MIDI Score (2 Credits)

MUM1630 Introduction to Digital Audio (1 Credit)

SELECT 1 1000-Level

Applied Music Course (2 credits)

SELECT 1 2000-level

Large Ensemble (1 credit)

Freshman Year Spring Semester (12 credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MVK1112 Class Piano II (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUM1622 Intro to Sound Reinforcement (1 Credit)

MUM2634 Digital Audio Production (3 Credits)

SELECT 1 2000-level Large Ensemble

(1 credit)

SELECT 1 1000-level Applied

Music Course (2 Credits)

Sophomore Year Fall Semester (11 credits)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MVK2121 Class Piano III (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUM2677 Sound Reinf and Music Prod (3 Credits)

MUM2942 Music Technology Practicum (0 Credits)

SELECT 1 2000-level Large Ensemble

(1 Credit)

SELECT 1 2000-level

Applied Music Course (2 Credits)

Sophomore Year Spring Semester (11 credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2122 Class Piano IV (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUM1620 Audio and Acoustics (3 Credits)

MUM2942 Music Technology Practicum (0 Credits)

SELECT 1 2000-level Large Ensemble

(1 Credit)

SELECT 1 2000-level

Applied Music Course (2 Credits)

Sophomore Year Summer Semester (3 credits)

MUM3701 The Music Business (3 Credits)

Junior Year Fall Semester (9 credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUH3215 West Mus His & Pop Cultures I (3 Credits)

- Students in the BM Performance degree in Music Technology and Production may substitute MUH3211 Music History I for MUH3215 Western Music History and Popular Cultures I with the permission of the instructor.

MUM4729 Elec Music Prod Techniques (3 Credits)

MUM2942 Music Technology Practicum (0 Credits)

MUM3631 Max MSP

Junior Year Spring Semester (11 credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUH2501 CD- World Music (3 Credits)

MUH3216 West Mus His & Pop Cultures II (3 Credits)

- Students in the BM Performance degree in Music Technology and Production may substitute MUH 3212 Music History II for MUH3216 Western Music History and Popular Cultures II with the permission of the instructor.

MUM4636 Audio for Media Applications (3 Credits)

MUM2942 Music Technology Practicum (0 Credits)

TAKE 2 HOURS OF FREE ELECTIVES

- 3000/4000 Level

Junior Year Summer Semester (6 credits)

MUM4943 Internship in Music Technology (6 Credits)

Senior Year Fall Semester (8 credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUG3104 Basic Conducting (2 Credits)

MUM4014 Seminar in Music Technology (2 Credits)

SELECT 3 credits of Music Electives

3000/4000 level

TAKE 1 HOUR OF FREE ELECTIVES

- 3000/4000 Level

Senior Year Spring Semester (8 credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MUT4626 20th Century Music Theory (3 Credits)

(Students may substitute MUT4311 Orchestration for
MUT4626 20th-Century Music Theory with the
permission of the Area Coordinator for Music
Technology and Production.)

MUM4014 Seminar in Music Technology (2 Credits)

TAKE One 3 credit free elective

3000-4000 level

Major: Art History

Degree: Bachelor of Arts

Prerequisites (23 credits)

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

DRAWING Select one beginning course

- ART 1300C Drawing I
- ART 2301C Drawing II Acceptable substitute: ART X310

DESIGN Select one beginning course

- ART 1201C Two-Dimensional Design
- ART 2203C Three-Dimensional Design Acceptable substitute: ART X202, X205

LANGUAGE Select one language series

- The Completion of the beginning and intermediate sequences of a language or demonstration of competency through testing is required.

Art History Foreign Language (3 credits)

SELECT ONE

Intermediate II Foreign Language course (3 credits)
prefixes include: CHI, FRE, GER, POR, , RUS and SPN

Major Requirements (21 credits)

Students select four courses (one each) from the Ancient and Medieval, Renaissance and Baroque, American and Modern sequences. All art history majors are required to take the Art History Junior Methods (ARH 3811) and the Art History Senior Research (ARH 4910) course.

ARH3811 Junior Methods Seminar (3 Credits)

ARH4910 Senior Research Seminar (3 Credits)

SELECT 1 Ancient & Medieval course

- ARH 3130 Ancient Greek Art and Architecture (3 credits)
- ARH 3150 The Art and Architecture of Ancient Rome (3 credits)
- ARH 3250 Romanesque Art and Architecture (3 credits)
- ARH 3202 Medieval Art and Architecture (3 credits)

SELECT 1 Renaissance or Baroque course

- ARH 3302 Italian Renaissance Art (3 credits)
- ARH 3319 The Art and Architecture of Michelangelo (3 credits)
- ARH 3331 Northern Renaissance Art (3 credits)
- ARH 3350 Baroque Art (3 credits)
- ARH 3354 Rubens to Rembrandt: Netherlandish Baroque Art (3 credits)

SELECT 1 American course

- ARH 3631 African American Art History (3 credits)
- ARH 3621 American Art I: 1492 - 1876 (3 credits)
- ARH 3623 American Art II: 1876 - 1940 (3 credits)

SELECT 1 Modern course

- ARH 3410 Modern European Art I (3 credits)
- ARH 3434 Modern European Art II (3 credits)
- ARH 3404 British Art: Hogarth to Hirst (3 credits)
- ARH 3453 Postwar Art: 1940 - 1980 (3 credits)
- ARH 3475 Contemporary Art: 1980 to Present (3 credits)

SELECT_1 Non Western course (3 credits)

- ARH 3583 Tribal Arts (3 credits)
- ARH 3930 Special Topics in Non Western Art (3 credits)
- ARH 3574 Early Islamic Art (3 credits)
- ARH 3571 Islamic Architecture (3 credits)

Major Electives (9 credits)

SELECT 3 ARH ELECTIVES (3000/4000)

fulfill major requirements may be applied to major electives Additional options include:

- ARH 3843 Studies in Irish Art and Architecture (3 credits)
- ARH 3883 The Apocalypse in Medieval and Early Modern Art (3 credits)
- ARH 4801 Art Criticism (3 credits)

- ARH 4712 Photohistory 1839 - 1916 (3 credits)
- ARH 4713 Photohistory 1916 - to Present (3 credits)
- ARH 3955 Art History on Site (3 credits)
- ARH 4941 Internship in Art History (Museum, Gallery Internship) (3 credits) Prerequisites: ARH 2050, ARH 2051 and 3 upper-level ARH courses. Any ARH 3000 level course that has not been used to
- ARH 4905 Directed Individual Study (3 credits) Prerequisites: ARH 2050, ARH 2051 and 3 upper-level ARH courses

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Free Electives (21 credits)

ELECTIVES 21 HOURS (3000-4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Music Performance
Concentration: Music-Classical Piano
Degree: Bachelor of Music

Freshman Year Fall Semester (7 credits)

MUN2310 UNF Chorale (Lower) (0-1 Credits)
MUS1010 Performance Laboratory (0 Credits)
MUS1011 Concert Attendance (0 Credits)
MUT1111 Theory I (3 Credits)
MUT1241 Theory I, Aural (1 Credit)
MVK1311 Applied Piano (2 Credits)

Freshman Year Spring Semester (7 credits)

MUN2310 UNF Chorale (Lower) (0-1 Credits)
MUS1010 Performance Laboratory (0 Credits)
MUS1011 Concert Attendance (0 Credits)
MUT1112 Theory II (3 Credits)
MUT1242 Theory II, Aural (1 Credit)
MVK1311 Applied Piano (2 Credits)

Sophomore Year Fall Semester (11 credits)

MUN2310 UNF Chorale (Lower) (0-1 Credits)
MUS1010 Performance Laboratory (0 Credits)
MUS1011 Concert Attendance (0 Credits)
MUT2116 Theory III (3 Credits)
MUT2246 Advanced Aural Theory (1 Credit)
MVK2321 Applied Piano (2 Credits)
TAKE 1 Beginning Foreign Language

Sophomore Year Spring Semester (7 credits)

MUN2310 UNF Chorale (Lower) (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2321 Applied Piano (2 Credits)

Junior Year Fall Semester (18 credits)

CHOOSE 1 Advanced Music Theory

- MUT 4626 20th Century Music Theory
- MUT 4311 Orchestration
- MUT 4421 18th Century Counterpoint
- MUT 4564 19th-Century Chromatic Harmony

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUL4400 Piano Literature I (2 Credits)

MUN2510 Collaborative Piano I (1 Credit)

MUN3313 UNF Chorale (Upper) (0-1 Credits)

MUN3453 Piano Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MVK3331 Applied Piano (2 Credits)

SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Junior Year Spring Semester (16 credits)

CHOOSE 1 Advanced Music Theory

- Select one not previously taken

- MUT 4626 20th Century Music Theory
- MUT 4311 Orchestration
- MUT 4421 18th Century Counterpoint
- MUT 4564 19th-Century Chromatic Harmony

MUH3212 Music History II (3 Credits)

MUL4401 Piano Literature II (2 Credits)

MUN3313 UNF Chorale (Upper) (0-1 Credits)

MUN3453 Piano Ensemble (0-1 Credits)

MUN3513 Collaborative Piano II (1 Credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MVK3331 Applied Piano (2 Credits)

SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Senior Year Fall Semester (15 credits)

MUN3313 UNF Chorale (Upper) (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS3340 Computer MIDI Score (2 Credits)

MUT3611 Form and Analysis (3 Credits)

MVK3631 Elementary Piano Pedagogy (3 Credits)

MVK4341 Applied Piano (2 Credits)

SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Senior Year Spring Semester (13 credits)

CHOOSE 3 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUH2501 CD- World Music (3 Credits)

MUN3313 UNF Chorale (Upper) (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MUT4650 Composition and Improvisation (2 Credits)

MVK3632 Intermediate Piano Pedagogy (3 Credits)

MVK4341 Applied Piano (2 Credits)

Major: Behavioral Neuroscience

Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

PSY2012 Introduction to Psychology (3 Credits)

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: PCB x011C, BSC x040/L,
x010/L

BSC1011C General Biology II (4 Credits)

Acceptable substitutes: ZOO x010, BOT x010/L, BSC
x041, BOT x013/L, BSC x011/L

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHM x040 & x041 or CHMX045C

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitute: CHM x046C

ORGANIC 1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

Acceptable substitutes: CHM x210C

ORGANIC 2 REQUIREMENT

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Acceptable substitutes: CHM x211C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MAC x233, x253, x281, x241

Core Requirements (11 credits)

Must complete PSY3213 and PSY3213L with grades of B or better. All other courses require a grade of C or better.

BSC2012C General Biology III (4 Credits)

- Prereq: BSC1010C, BSC1011C

PSY3213 Research Methods in Psychology (3 Credits)

- Prereq: STA2014 or STA2023

PSY3213L Research Methods Lab (1 Credit)

- Prereq: STA2014 or STA2023

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

- Prereq: MAC1105 or MAC1147

Major Requirements (20 credits)

Requires grades of C or better. Courses must be taken in prerequisite order. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together.

PSB3002 Behavioral Neuroscience (3 Credits)

- Prereq: BSC1010C

EXP3104 Human Sensory Perception (3 Credits)

- Prereq: PSY2012

PSB4930 Spec Top Behav Neuroscience (3 Credits)

Prereq: PSB3002

PCB3023C Molecular and Cell Biology (4 Credits)

- Prereq: BSC2012C, CHM2045/L, CHM2046/L, CHM2210/L

BCH4024 Mol Biol Biochem (3 Credits)

- Prereq: PCB3023C

BCH4024L Mol Biol Biochem Lab (1 Credit)

- Prereq: PCB3023C

PCB4843 Cellular and Molec Neurosci (3 Credits)

- Prereq: PCB3023C

Experimental Courses (8 credits)

PSY3213 and PSY3213L must be completed with a grade of B or better before attempting the experimental courses. Additional lab courses taken may count toward the elective requirement.

CHOOSE Select Two Courses:

- EAB3013C Foundations of Experimental Analysis of Behavior Lab (4 Credits)
 - Prereq: EXP3412
- EXP3680C Experimental Cognitive Psychology (4 Credits)
 - Prereq: EXP3604
- EXP4252C Human Factors and Ergonomics (4 Credits)
 - Prereq: EXP3604
- EXP3461C Human Learning and Performance (4 Credits)
 - Prereq: EXP412
- SOP3214C Experimental Social Psychology (4 Credits)
 - Prereq: SOP3004
- PSY4302C Psychological Testing (4 Credits)
 - Prereq: CLP4143 or DEP3054 or PPE4003
- MCB4021C Molecular Biology Techniques (4 Credits)
 - Prereq: PCB3023C
- PCB4713C Physiology (4 Credits)
 - Prereq: PCB3023C, MAC1147 or MAC1105 and MAC1114, PHY2053/L, PHY2054/L

Major Electives (12 credits)

Major electives require a grade of C or better. Select courses in at least two of the following three disciplines. No more than one Philosophy course will count toward this degree unless taken as free electives.

PSYCHOLOGY Select from below:

- CBH3004 Comparative Psychology (3 Credits)
 - Prereq: PSY2012
- CLP4143 Psychology of Abnormal Behavior (3 Credits)
 - Prereq: PSY2012
- CLP4134 Childhood Psychopathology (3 Credits)
 - Prereq: PSY2012, CLP4143
- CLP4313 Health Psychology (3 Credits)
 - Prereq: PSY2012
- DEP3054 Lifespan Developmental Psychology (3 Credits)
 - Prereq: PSY2012
- EAB4703 Behavior Modification (3 Credits)
 - Prereq: PSY2012, EXP3412
- EXP3412 Learning Theory (3 Credits)
 - Prereq: PSY2012
- EXP3604 Cognitive Psychology (3 Credits)
 - Prereq: PSY2012
- PSB4113 Principles of Biofeedback (3 Credits)
- PSB4434 Neuropharmacology (3 Credits)
 - Prereq: PSB3002
- PPE4003 Theories of Personality (3 Credits)
 - Prereq: PSY2012
- PSY3810 Evolutionary Psychology (3 Credits)
- SOP3004 Social Psychology (3 Credits)
- PSY3911 Supervised Research (Variable Credits)
- PSY4904 Honors Research (Variable Credits)
- PSY4906 Directed Individual Study (Variable Credits)
- PSY4945 Practicum in Applied Psychology (Variable Credits)

BIOLOGY Select from below:

- PCB3063C Genetics (4 Credits)
 - Prereq: BSC1010C, BSC1011C, BSC1012C, CHM2045, CHM2045L, CHM2046, CHM2046L, CHM2210

- PCB4233 Immunology (3 Credits)
 - Prereq: BSC1010C, BSC1011C, BSC1012C, CHM2045, CHM2045L, CHM2046, CHM2046L, CHM2210, CHM2210L, PCB3023C
- PCB4805 Endocrinology (3 Credits)
 - Prereq: BSC1010C, BSC1011C, BSC1012C, CHM2045, CHM2045L, CHM2046, CHM2046L, CHM2210, CHM2210L, PCB3023C
- ZOO4513 Animal Behavior (3 Credits)
 - Prereq: BSC1010C, BSC1011C, BSC1012C

PHILOSOPHY Select from below:

- PHI3320 Philosophy of Mind (3 Credits)
 - Prereq: one course in Philosophy other than Foreign Culture
- PHI3400 The Philosophy of Science (3 Credits)
 - Prereq: one course in Philosophy other than Foreign Culture
-
- PHI3500 Introduction to Metaphysics (3 Credits)
- PHI3633 Bioethics (3 Credits)

Free Electives (9 credits)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

SELECT 9 HRS Free Elect 3000/4000

Major: Music Performance
Concentration: Music-Classical Voice
Degree: Bachelor of Music

Informational Text

Each semester, Classical Voice students are assigned to a choral ensemble by the School of Music faculty. Enrollment in that ensemble fulfills the choral ensemble requirement for that semester. If additional ensembles are taken in any given semester, the 0 credit option should be used, or students must use the additional ensemble to fulfill elective credits. These additional ensembles will not count toward semesterly choral ensemble requirement.

Freshman Year Fall Semester (8 credits)

CHOOSE one MUN2000-3000 level

choral ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MVK1111 Class Piano I (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVV1311 Applied Voice (2 Credits)

Freshman Year Spring Semester (8 credits)

CHOOSE one 2000-3000 level

choral ensemble

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MVK1112 Class Piano II (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVV1311 Applied Voice (2 Credits)

Sophomore Year Fall Semester (13 credits)

CHOOSE one MUN 2000-3000 level

choral ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS2241 Italian Diction (1 Credit)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MVK2121 Class Piano III (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVV2321 Applied Voice (2 Credits)

SELECT Beginning Foreign Language

- Select a Beginning I Foreign Language course

Sophomore Year Spring Semester (8 credits)

CHOOSE one MUN 2000-3000 level

choral ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2122 Class Piano IV (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVV2321 Applied Voice (2 Credits)

Junior Year Fall Semester (14 credits)

CHOOSE Beginning Foreign Language

- Select a Beginning II Foreign Language course

CHOOSE. one MUN 3000 level

choral ensemble (1 credit)

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS2221 French Diction (1 Credit)

MVV3331 Applied Voice (2 Credits)

SELECT 1 HOUR OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Junior Year Spring Semester (14 credits)

CHOOSE 1 Advanced Music Theory

- MUT 4626 20th Century Music Theory (3 credits)
- MUT 4311 Orchestration (3 credits)
- MUT 4421 18th Century Counterpoint (3 credits)
- MUT 4564 19th-Century Chromatic Harmony (3 credits)

CHOOSE. one MUN 3000 level

choral ensemble (1 credit)

MUH3212 Music History II (3 Credits)

MUL4602 Vocal Literature (2 Credits)

MUO3503 Opera Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS2231 German Diction (1 Credit)

MVV3331 Applied Voice (2 Credits)

SELECT 1 HOUR OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Senior Year Fall Semester (12 credits)

CHOOSE 1 Advanced Music Theory

- MUT 4626 20th Century Music Theory (3 credits)
- MUT 4311 Orchestration (3 credits)
- MUT 4421 18th Century Counterpoint (3 credits)
- MUT 4564 19th-Century Chromatic Harmony (3 credits)

CHOOSE. one MUN 3000 level

choral ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS3340 Computer MIDI Score (2 Credits)

MUT3611 Form and Analysis (3 Credits)

MVV4341 Applied Voice (2 Credits)

SELECT 1 HOUR OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Senior Year Spring Semester (13 credits)

CHOOSE one MUN 3000 level

MUH2501 CD- World Music (3 Credits)

choral ensemble (1 credit)

MUO3503 Opera Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT4650 Composition and Improvisation (2 Credits)

MVV4341 Applied Voice (2 Credits)

MVV4640 Vocal Pedagogy (2 Credits)

MVV4971 Senior Voice Recital (0 Credits)

SELECT 2 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

Major: Biology
Concentration: Coastal and Marine Biology
Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: PCB x011C, BSC x040/L,
x010/L

BSC1011C General Biology II (4 Credits)

Acceptable substitutes: ZOO x010, BOT x010/L, BSC
x041, BOT x013/L, BSC x011/L

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHM x040 & x041 or CHMX045C

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitute: CHM x046C

ORGANIC 1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

Acceptable substitutes: PHY 2053/L, 2048C, CHM x210C

ORGANIC 2 REQUIREMENT

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Acceptable substitutes: PHY x054/L, x049/L, CHM x211C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: STA X014, STA x023, x024, x321, MAC x234, x282

Core Requirements (12 credits)

**The Department of Biology has specific requirements that must be completed as preparation for major courses. The following courses must be taken in addition to the prerequisites indicated above. Requires a grade of C or above

BSC2012C General Biology III (4 Credits)

- Prereqs: BSC 1010C & BSC 1011C

SELECT ONE SEQUENCE FROM:

Any Organic I & II or Physics I & II not completed as part of the prerequisites must be taken as core courses.

- PHY 2048C Calculus Physics I
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

Or

- PHY 2053 Algebra Physics I
- PHY 2053L Algebra Physics I Lab
- PHY 2054 Algebra Physics II
- PHY 2054L Algebra Physics II Lab

Or

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Students may take either CHM 2211 Organic Chemistry II & CHM 2211L Organic Chemistry II lab or CHM 3120 Quantitative Analytical Chemistry & CHM3120L Quantitative Analytical Chemistry Lab

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120/3120L Quantitative Analytical Chemistry and Lab

Major Requirements (18 credits)

Requires grades of C or above. Courses must be taken in

prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

PCB3043C Principles of Ecology (4 Credits)

Prereq: BSC 2012C

PCB3063 Genetics (3 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3063L Genetics Lab (1 Credit)

Co-req: PCB3063

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

BSC3842 Writing Skills in Biology (1 Credit)

Co-req BSC2012C General Biology III

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC3842

SELECT One from the following:

- BSC4801C Animal Physiology (4 credits) Prereq: PCB3023C
OR
- BOT 4503C Plant Anatomy and Physiology (4 credits) Prereqs:
BSC2012C

Major Electives (12 credits)

Major electives require a grade of C or above.

- One Biology elective must have a lab to complete this requirement.
- Students are encouraged to take BSC 4921 Biology Lecture Series as part of their major elective coursework. No more than 2 credits of BSC 4921 may be used in the Major Elective area.

SELECT 1 BOTANY COURSE:

- BOT 4404C Marine Botany (4 credits)
- BOT 4503C Plant Anatomy & Physiology (4 credits)
- BSC 4930 Special Topics in Biology (3 credits)

SELECT 1 ZOOLOGY COURSE:

- ZOO 4208C Coastal Invertebrate Biology (4 credits)
- ZOO 4454C Ichthyology (4 credits)
- ZOO 4462C Herpetology (4 credits)
- ZOO 4485 Biology of Marine Mammals (3 credits) credit)
- BSC 4930 Special Topics in Biology (3 credits)
- FAS 4354 Coastal Fisheries Management (3 credits)
- ZOO 4513 Animal Behavior (3 credits)
- ZOO 4513L Animal Behavior Lab (1 credit)
- ZOO 4407 Biology of Sharks and Rays (3 credits)
- ZOO 4559L Shark Ecology (3 credits)
- ZOO 4551C Dolphin Behavioral Ecology (4 credits)

SELECT 1 AQUATIC COURSE:

- PCB 4301C Limnology (4 credits)
- OCE 3008 Oceanography (3 credits)
- BSC 3263 Marine Biology (3 credits)
- BSC 4930 Special Topics in Biology (3 credits)
- OCB 3108L Field Studies in Marine Science (1 credit)

Free Electives (18 credits)

ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Music Performance

Concentration: Music-Harp

Degree: Bachelor of Music

Freshman Year Fall Semester (8 credits)

MUN3413 Orchestra (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MVK1111 Class Piano I (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVS1315 Applied Harp I (2 Credits)

Freshman Year Spring Semester (8 credits)

MUN3413 Orchestra (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MVK1112 Class Piano II (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVS1315 Applied Harp I (2 Credits)

Sophomore Year Fall Semester (8 credits)

MUN3413 Orchestra (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MVK2121 Class Piano III (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVS2325 Applied Harp II (2 Credits)

TAKE 1 Beginning Foreign Language

Sophomore Year Spring Semester (8 credits)

MUN3413 Orchestra (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2122 Class Piano IV (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MVS2325 Applied Harp II (2 Credits)

Junior Year Fall Semester (15 credits)

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUN3411 String Chamber Ensemble (0-1 Credits)

MUN3498 Harp Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT3611 Form and Analysis (3 Credits)

MVS3335 Applied Harp III (2 Credits)

MVS3601 Harp Pedagogy (3 Credits)

Junior Year Spring Semester (15 credits)

CHOOSE 3 HRS OF FREE ELECTIVES

- 3000/4000 Level
 - MUH3212 Music History II (3 Credits)
 - MUL4434 Harp Literature (3 Credits)
 - MUN3411 String Chamber Ensemble (0-1 Credits)
 - MUN3498 Harp Ensemble (0-1 Credits)
 - MUS1010 Performance Laboratory (0 Credits)
 - MUS1011 Concert Attendance (0 Credits)
 - MUT4650 Composition and Improvisation (2 Credits)
 - MVS3335 Applied Harp III (2 Credits)

Senior Year Fall Semester (15 credits)

CHOOSE 3 HRS OF FREE ELECTIVES

- 3000/4000 Level
 - MUH2501 CD- World Music (3 Credits)
 - MUN3411 String Chamber Ensemble (0-1 Credits)
 - MUN3498 Harp Ensemble (0-1 Credits)
 - MUS1010 Performance Laboratory (0 Credits)
 - MUS1011 Concert Attendance (0 Credits)
 - MVS3530 Violin and Viola Repertory I (2 Credits)
 - MVS4345 Applied Harp IV (2 Credits)

SELECT 1 ADVANCED MUSIC THEORY

- MUC 3231 Music Composition III
- MUC 4241 Music Composition V
- MUT 4311 Orchestration
- MUT 4421 18th Century Counterpoint

- MUT 4626 20th Century Music Theory

Senior Year Spring Semester (15 credits)

CHOOSE 6 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUN3411 String Chamber Ensemble (0-1 Credits)

MUN3413 Orchestra (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MVS3531 Violin and Viola Repertory II (2 Credits)

MVS4345 Applied Harp IV (2 Credits)

SELECT 1 ADVANCED MUSIC THEORY

(Must be different from above selection)

- MUC 3231 Music Composition III
- MUC 4241 Music Composition V
- MUT 4311 Orchestration
- MUT 4421 18th Century Counterpoint
- MUT 4626 20th Century Music Theory

Major: Biology
Concentration: Coastal Environmental Science
Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: PCB x011C, BSC x040/L,
x010/L

BSC1011C General Biology II (4 Credits)

Acceptable substitutes: ZOO x010, BOT x010/L, BSC
x041, BOT x013/L, BSC x011/L

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHM x040 & x041 or CHMX045C

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitute: CHM x046C

ORGANIC 1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

Acceptable substitutes: PHY 2053/L, 2048/L, CHM x210C

ORGANIC 2 REQUIREMENT

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Acceptable substitutes: PHY x054/L, x049/L, CHM x211C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: STA X014, STA x023, x024,
x321, MAC x234, x282

Core Requirements (12 credits)

**The Department of Biology has specific requirements that must be completed as preparation for major courses. The following courses must be taken in addition to the prerequisites indicated above. Requires a grade of C or above.

BSC2012C General Biology III (4 Credits)

- Prereqs: BSC 1010C & BSC 1011C

STA3163 (GM) Statistical Methods I (4 Credits)

PCB3023C Molecular and Cell Biology (4 Credits)

Major Requirements (24 credits)

Courses must be taken in prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

PCB3043C Principles of Ecology (4 Credits)

Prereq: BSC 2012C

PCB3063 Genetics (3 Credits)

Prereq: BSC 2012C and CHM 2210/2210L

PCB3063L Genetics Lab (1 Credit)

Co-req: PCB 3063

OCE3008 Oceanography (3 Credits)

PCB4301C Limnology (4 Credits)

Prereqs: PCB 3043C and CHM 2046/2046L

BSC3052 Conservation Biology (3 Credits)

Prereq: BSC 2012C

BSC3842 Writing Skills in Biology (1 Credit)

Co-Req: BSC 2012C General Biology III

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC 3842

CHOOSE ONE OF THE FOLLOWING:

- BSC 4801C Animal Physiology (4 credits) Prereq: PCB3023C
OR
- BOT 4503C Plant Anatomy and Physiology (4 credits) Prereq:
BSC2012C

Major Electives (21 credits)

Major electives require a grade of C or above.

Always check the catalog course descriptions section to confirm approved biology electives.

SELECT 12 HRS FROM THE FOLLOWING:

- BSC 3263 Marine Biology
- BOT 4404C Marine Botany
- BSC 4054 Environmental Toxicology
- BSC 4905 Directed Independent Study
- MCB 3020C Microbial Biology
- ZOO 4485 Biology of Marine Mammals
- BSC 4930 Special Topics in Biology
- BSC 4921 Biology Lecture Series
- FAS 4354 Coastal Fisheries Management
- OCB 3108L Field Studies in Marine Science
- ZOO 4407 Biology of Sharks and Rays (3 credits)
- ZOO 4559L Shark Ecology (3 credits)
- ZOO 4551C Dolphin Behavioral Ecology (4 credits)

SELECT 9 HRS FROM THE FOLLOWING:

- GIS 3043 Intro to Geographic Information Systems (3 credits)
- SPC 4064 Public Speaking for Professionals (3 credits)
- PHI 3640 Environmental Ethics (3 credits)
- GEO 3372 Conservation of Natural Resources (3 credits)
- STA 3164 Statistical Methods II (3 credits)

- GIS 4048 Intermediate Geographic Information Systems (3 credits)
- PHI 2630 Critical Thinking: Ethical Issues (3 credits)
- SYD 4510 Environment and Society (3 Credits)

Major: Music Performance

Concentration: Music-Strings

Degree: Bachelor of Music

Freshman Year Fall Semester (8 credits)

ENSEMBLE MUN2000-LEVEL ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MVK1111 Class Piano I (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED (1000 LEVEL)

- MVS 1411 Applied Violin I
- MVS 1412 Applied Viola I
- MVS 1413 Applied Violoncello I
- MVS 1314 Applied String Bass I
- MVS 1315 Applied Harp I

Freshman Year Spring Semester (8 credits)

ENSEMBLE MUN2000-LEVEL ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MVK1112 Class Piano II (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED (1000 LEVEL)

- MVS 1411 Applied Violin I
- MVS 1412 Applied Viola I
- MVS 1413 Applied Violoncello I
- MVS 1314 Applied String Bass I
- MVS 1315 Applied Harp I

Sophomore Year Fall Semester (8 credits)

ENSEMBLE MUN2000-LEVEL ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MVK2121 Class Piano III (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED (2000 LEVEL)

- MVS 2421 Applied Violin II
- MVS 2422 Applied Viola II
- MVS 2423 Applied Violoncello II
- MVS 2324 Applied String Bass II
- MVS 2325 Applied Harp II

Sophomore Year Spring Semester (8 credits)

ENSEMBLE MUN2000-LEVEL ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2122 Class Piano IV (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED (2000 LEVEL)

- MVS 2421 Applied Violin II
- MVS 2422 Applied Viola II
- MVS 2423 Applied Violoncello II
- MVS 2324 Applied String Bass II
- MVS 2325 Applied Harp II

Junior Year Fall Semester (14 credits)

SELECT 1 APPLIED (3000 LEVEL)

- MVS 3431 Applied Violin III
- MVS 3432 Applied Viola III
- MVS 3433 Applied Violoncello III
- MVS 3334 Applied String Bass III
- MVS 3335 Applied Harp III

ENSEMBLE MUN3000-LEVEL ENSEMBLE

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUN3411 String Chamber Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

SELECT 1 ADVANCED MUSIC THEORY

- MUT 4626 20th Century Music Theory
- MUT 4421 18th Century Counterpoint
- MUT 4311 Orchestration
- MUT 4564 19th-Century Chromatic Harmony

SELECT 1 String Pedagogy

- MVS 3640 Violin & Viola Pedagogy
- MVS 3630 Cello & Bass Pedagogy

Junior Year Spring Semester (13 credits)

SELECT 1 APPLIED (3000 LEVEL)

- MVS 3431 Applied Violin III
- MVS 3432 Applied Viola III
- MVS 3433 Applied Violoncello III
- MVS 3334 Applied String Bass III

- MVS 3335 Applied Harp III

ENSEMBLE MUN3000-LEVEL ENSEMBLE

MUH3212 Music History II (3 Credits)

MUL4420 String Chamber Music Literatur (3 Credits)

MUN3411 String Chamber Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

SELECT 1 ADVANCED MUSIC THEORY

(Must be different from above selection)

- MUT 4311 Orchestration
- MUT 4421 18th Century Counterpoint
- MUT 4626 20th Century Music Theory
- MUT 4564 19th-Century Chromatic Harmony

Senior Year Fall Semester (15 credits)

SELECT 1 APPLIED (4000 LEVEL)

- MVS 4441 Applied Violin IV
- MVS 4442 Applied Viola IV
- MVS 4443 Applied Violoncello IV
- MVS 4344 Applied String Bass IV
- MVS 4345 Applied Harp IV

CHOOSE 6 HRS OF FREE ELECTIVES

- 3000/4000 Level

*Note: The Music Department recommends taking a String Repertory course as a free elective.

ENSEMBLE MUN3000-LEVEL ENSEMBLE

MUN3411 String Chamber Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS3340 Computer MIDI Score (2 Credits)

MUT3611 Form and Analysis (3 Credits)

Senior Year Spring Semester (14 credits)

SELECT 1 APPLIED (4000 LEVEL)

- MVS 4441 Applied Violin IV
- MVS 4442 Applied Viola IV
- MVS 4443 Applied Violoncello IV
- MVS 4344 Applied String Bass IV
- MVS 4345 Applied Harp IV

CHOOSE 5 HRS OF MUSIC ELECTIVES

- Select 5 hours of Music Electives 3000/4000 Level MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

ENSEMBLE MUN3000-LEVEL ENSEMBLE

MUH2501 CD- World Music (3 Credits)

MUN3411 String Chamber Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MUT4650 Composition and Improvisation (2 Credits)

Major: Biology
Concentration: Ecology and Evolution Biology
Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: PCB x011C, BSC x040/L,
x010/L

BSC1011C General Biology II (4 Credits)

Acceptable substitutes: ZOO x010, BOT x010/L, BSC
x041, BOT x013/L, BSC x011/L

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHM x040 & x041 or CHMX045C

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitute: CHM x046C

ORGANIC 1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

Acceptable substitutes: PHY 2053/L, 2048C, CHM x210C

ORGANIC 2 REQUIREMENT

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Acceptable substitutes: PHY x054/L, x049/L, CHM x211C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: STA X014, STA x023, x024, x321, MAC x234, x282

Core Requirements (12 credits)

**The Department of Biology has specific requirements that must be completed as preparation for major courses. The following courses must be taken in addition to the prerequisites indicated above. Requires a grade of C or above

BSC2012C General Biology III (4 Credits)

- Prereqs: BSC 1010C & BSC 1011C

SELECT ONE SEQUENCE FROM:

Any Organic I & II or Physics I & II not completed as part of the prerequisites must be taken as core courses.

- PHY 2048C Calculus Physics I
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

Or

- PHY 2053 Algebra Physics I
- PHY 2053L Algebra Physics I Lab
- PHY 2054 Algebra Physics II
- PHY 2054L Algebra Physics II Lab

Or

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Students may take either CHM 2211 Organic Chemistry II & CHM 2211L Organic Chemistry II lab or CHM 3120 Quantitative Analytical Chemistry & CHM3120L Quantitative Analytical Chemistry Lab

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120/3120L Quantitative Analytical Chemistry and Lab

Major Requirements (18 credits)

Requires grades of C or above. Courses must be taken in

prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

PCB3043C Principles of Ecology (4 Credits)

Prereq: BSC 2012C

PCB3063 Genetics (3 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3063L Genetics Lab (1 Credit)

Co-req: PCB3063

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

BSC3842 Writing Skills in Biology (1 Credit)

Co-req BSC2012C General Biology III

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC3842

SELECT One from the following:

- BSC4801C Animal Physiology (4 credits) Prereq: PCB3023C
OR
- BOT 4503C Plant Anatomy and Physiology (4 credits) Prereqs:
BSC2012C

Major Electives (11 credits)

Major electives require a grade of C or above. Students are encouraged to take BSC 4921 Biology Lecture Series as part of their major elective coursework. No more than 2 credits of BSC 4921 may be used in the Major Elective area.

PCB4674 Evolution (3 Credits)

SELECT 1 ADVANCED ECOLOGY COURSE:

- PCB 4301C Limnology
- ZOO 4208C Coastal Invertebrate Biology (4 Credits)
- ZOO 4485 Biology of Marine Mammals (3 Credits)

SELECT 1 SURVEY COURSE:

- ZOO 3713C Comparative Vertebrate Anatomy (4 credits)
- ZOO 4208C Coastal Invertebrate Biology (4 credits)
- ZOO 4234C Parasitology (4 credits)
- ZOO 4454C Ichthyology (4 credits)
- ZOO 4462C Herpetology (4 credits)
- ZOO 4823C General Entomology (4 credits)
- MCB 3020C Microbial Biology (4 credits)
- BOT 4404C Marine Botany (4 credits)
- PCB 4253C Developmental Biology (4 credits)
- ZOO 4485 Biology of Marine Mammals (3 credits)
- ZOO 4485L Biology of Marine Mammals Laboratory (1 credits)
- BSC 4930 Special Topics in Biology (3 credits)
- FAS 4354 Coastal Fisheries Management (3 credits)
- BSC 4022 Biology of Aging (3 credits)
- ZOO 4513 Animal Behavior (3 credits)
- ZOO 4513L Animal Behavior Lab (1 credits)
- OCB 3108L Field Studies in Marine Science (4 credits)
- ZOO 4407 Biology of Sharks and Rays (3 credits)
- ZOO 4559L Shark Ecology (3 credits)
- ZOO 4551C Dolphin Behavioral Ecology (4 credits)

Free Electives (19 credits)

ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Music Performance

Concentration: Music-Woodwinds, Brass, Percus

Degree: Bachelor of Music

Freshman Year Fall Semester (8 credits)

ENSEMBLE MUN2000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MVK1111 Class Piano I (1 Credit)

*Students may take a piano proficiency test to waive
class piano

SELECT 1 APPLIED MUSIC (1000 LEVEL)

- MVB MVJ MVP (2 credits)

Freshman Year Spring Semester (8 credits)

ENSEMBLE MUN2000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MVK1112 Class Piano II (1 Credit)

SELECT 1 APPLIED MUSIC (1000 LEVEL)

- MVB MVJ MVP (2 credits)

Sophomore Year Fall Semester (8 credits)

ENSEMBLE MUN2000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MVK2121 Class Piano III (1 Credit)

SELECT 1 APPLIED MUSIC (2000 LEVEL)

- MVB MVJ MVP (2 credits)
- For the 2-credit Applied Music requirement each semester, students (with permission of their applied instructor) may take two approved 1-credits applied courses instead of the one 2-credit applied course.

Sophomore Year Spring Semester (8 credits)

ENSEMBLE MUN2000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2122 Class Piano IV (1 Credit)

SELECT 1 APPLIED MUSIC (2000 LEVEL)

- MVB MVJ MVP (2 credits)
- For the 2-credit Applied Music requirement each semester, students (with permission of their applied instructor) may take two approved 1-credits applied courses instead of the one 2-credit applied course.

Junior Year Fall Semester (16 credits)

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

ENSEMBLE MUN3000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT3611 Form and Analysis (3 Credits)

SELECT 1 PEDAGOGY (3 credits)

- MVW 4640 Woodwind Pedagogy (3 credits)
- MVB 4640 Brass Pedagogy (3 credits)
- MVP 4640 Percussion Pedagogy (3 credits)

SELECT 1 APPLIED MUSIC (3000)

- MVB MVJ MVP (2 credits)
- For the 2-credit Applied Music requirement each semester, students (with permission of their applied instructor) may take two approved 1-credits applied courses instead of the one 2-credit applied course.

TAKE 2 HOURS OF FREE ELECTIVES

- 3000/4000 Level (2 credits)

Junior Year Spring Semester (17 credits)

MUH2501 CD- World Music (3 Credits)

MUH3212 Music History II (3 Credits)

ENSEMBLE MUN3000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS3340 Computer MIDI Score (2 Credits)

SELECT 1 APPLIED MUSIC (3000 LEVEL)

- MVB MVJ MVP (2 credits)
- For the 2-credit Applied Music requirement each semester, students (with permission of their applied instructor) may take two approved 1-credits applied courses instead of the one 2-credit applied course.

SELECT 1 LITERATURE (3 credits)

- MUL 4441 Woodwind (3 credits)
- MUL 4442 Brass (3 credits)
- MUL 4460 Percussion (3 credits)

TAKE 3 HOURS OF FREE ELECTIVES

- 3000/4000 Level (3 credits)

Senior Year Fall Semester (11 credits)

SELECT 3 HRS OF ADVANCED MUSIC THEORY

- MUT 4421 18th Century Counterpoint (3 credits)
- MUT 4626 20th Century Music Theory (3 credits)
- MUT 4311 Orchestration (3 credits)
- MUT 4564 19th-Century Chromatic Harmony (3 credits)

TAKE 3 HOURS OF FREE ELECTIVES

- 3000/4000 Level (3 credits)

ENSEMBLE MUN3000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT4650 Composition and Improvisation (2 Credits)

SELECT 1 APPLIED MUSIC (4000 LEVEL)

- MVB MVJ MVP (2 credits)
- For the 2-credit Applied Music requirement each semester, students (with permission of their applied instructor) may take two approved 1-credits applied courses instead of the one 2-credit applied course.

Senior Year Spring Semester (14 credits)

SELECT 3 HRS OF ADVANCED MUSIC THEORY

- MUT 4421 18th Century Counterpoint (3 credits)
- MUT 4626 20th Century Music Theory (3 credits)
- MUT 4311 Orchestration (3 credits)
- MUT 4564 19th-Century Chromatic Harmony (3 credits)

TAKE 5 HOURS OF FREE ELECTIVES

- 3000/4000 Level (5 credits)

CHOOSE 3cr 3000/4000 Music Electives

ENSEMBLE MUN3000-LEVEL LARGE ENSEMBLE

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

SELECT 1 APPLIED MUSIC (4000 LEVEL)

- MVB MVJ MVP (2 credits)
- For the 2-credit Applied Music requirement each semester, students (with permission of their applied instructor) may take two approved 1-credits applied courses instead of the one 2-credit applied course.

Major: Biology

Concentration: Molecular/Cell Bio. & Biotech

Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: PCB x011C, BSC x040/L, x010/L

BSC1011C General Biology II (4 Credits)

Acceptable substitutes: ZOO x010, BOT x010/L, BSC x041, BOT x013/L, BSC x011/L

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHM x040 & x041 or CHMX045C

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitute: CHM x046C

ORGANIC 1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

Acceptable substitutes: PHY 2053/L, 2048C, CHM x210C

ORGANIC 2 REQUIREMENT

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Acceptable substitutes: PHY x054/L, x049/L, CHM x211C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: STA X014, STA x023, x024, x321, MAC x234, x282

Core Requirements (12 credits)

**The Department of Biology has specific requirements that must be completed as preparation for major courses. The following courses must be taken in addition to the prerequisites indicated above. Requires a grade of C or above

BSC2012C General Biology III (4 Credits)

- Prereqs: BSC 1010C & BSC 1011C

SELECT ONE SEQUENCE FROM:

Any Organic I & II or Physics I & II not completed as part of the prerequisites must be taken as core courses.

- PHY 2048C Calculus Physics I
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

Or

- PHY 2053 Algebra Physics I
- PHY 2053L Algebra Physics I Lab
- PHY 2054 Algebra Physics II
- PHY 2054L Algebra Physics II Lab

Or

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Students may take either CHM 2211 Organic Chemistry II & CHM 2211L Organic Chemistry II lab or CHM 3120 Quantitative Analytical Chemistry & CHM3120L Quantitative Analytical Chemistry Lab

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120/3120L Quantitative Analytical Chemistry and Lab

Major Requirements (18 credits)

Requires grades of C or above. Courses must be taken in

prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

PCB3043C Principles of Ecology (4 Credits)

Prereq: BSC 2012C

PCB3063 Genetics (3 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3063L Genetics Lab (1 Credit)

Co-req: PCB3063

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

BSC3842 Writing Skills in Biology (1 Credit)

Co-req BSC2012C General Biology III

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC3842

SELECT One from the following:

- BSC4801C Animal Physiology (4 credits) Prereq: PCB3023C
OR
- BOT 4503C Plant Anatomy and Physiology (4 credits) Prereqs:
BSC2012C

Major Electives (11 credits)

Major electives require a grade of C or above.

- One Biology elective must have a lab to complete this requirement. Students are encouraged to take BSC 4921 Biology Lecture Series as part of their major elective coursework. No more than 2 credits of BSC 4921 may be used in the Major Elective area.

BCH4024 Mol Biol Biochem (3 Credits)

BCH4024L Mol Biol Biochem Lab (1 Credit)

SELECT 1 BIOTECHNIQUES COURSE:

- MCB 4021C Molecular Biology Techniques (4 Credits)
- MCB 3020C Microbial Biology (4 Credits)

SELECT 1 ADV. MOLECULAR/CELL COURSE:

- PCB 4067C Molecular Basis of Inheritance (4 credits)
- PCB 4234 Biology of Cancer (3 Credits)
- PCB 4233 Immunology (3 Credits)
- PCB 4805 Endocrinology (3 Credits)
- PCB 4843 Cellular & Molecular Neuroscience (3 Credits)
- MCB 3020C Microbial Biology (4 Credits)
- MCB 4503 Virology (3 Credits)
- BSC 4930 Special Topics in Biology (3 Credits)
- BSC 4022 Biology of Aging (3 Credits)
- MCB 4203 Pathogenic Bacteriology (3 Credits)
- ZOO 4753 Histology (3 Credits)
- ZOO 4234C Parasitology (4 Credits)
- PCB 4674 Evolution (3 Credits)
- PCB 4253C Developmental Biology (4 Credits)
- BSC 4941 Mayo Clinic Research Internship I (1-6 Credits)
- PCB 4540 Genomics (3 Credits)

Free Electives (19 credits)

ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Music Performance
Concentration: Piano Performance and Pedagogy
Degree: Bachelor of Music

Freshman Year Fall Semester (7 credits)

MUN2XXX Large Ensemble
MUS1010 Performance Laboratory (0 Credits)
MUS1011 Concert Attendance (0 Credits)
MUT1111 Theory I (3 Credits)
MUT1241 Theory I, Aural (1 Credit)
MVK1311 Applied Piano (2 Credits)

Freshman Year Spring Semester (7 credits)

MUN2XXX Large Ensemble
MUS1010 Performance Laboratory (0 Credits)
MUS1011 Concert Attendance (0 Credits)
MUT1112 Theory II (3 Credits)
MUT1242 Theory II, Aural (1 Credit)
MVK1311 Applied Piano (2 Credits)

Sophomore Year Fall Semester (10 credits)

MUH2501 CD- World Music (3 Credits)
MUN2XXX Large Ensemble
MUS1010 Performance Laboratory (0 Credits)
MUS1011 Concert Attendance (0 Credits)
MUT2116 Theory III (3 Credits)
MUT2246 Advanced Aural Theory (1 Credit)
MVK2321 Applied Piano (2 Credits)

Sophomore Year Spring Semester (7 credits)

MUN2XXX Large Ensemble

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2321 Applied Piano (2 Credits)

Junior Year Fall Semester (16 credits)

CHOOSE 1 Advanced Music Theory

- MUT 4626 20th Century Music Theory (3 Credits)
- MUT 4311 Orchestration (3 Credits)
- MUT 4421 18th Century Counterpoint (3 Credits)
- MUT 4564 19th-Century Chromatic Harmony (3 Credits)

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUN2510 Collaborative Piano I (1 Credit)

MUN3453 Piano Ensemble (0-1 Credits)

MUN3XXX Large Ensemble

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MVK3331 Applied Piano (2 Credits)

MVK3631 Elementary Piano Pedagogy (3 Credits)

Junior Year Spring Semester (15 credits)

MUH3212 Music History II (3 Credits)

MUN3XXX Large Ensemble

MUN3453 Piano Ensemble (0-1 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS3340 Computer MIDI Score (2 Credits)

CHOOSE 1 ADVANCED MUSIC THEORY COURSE

(Select one not previously taken) (3 Credits)

- MUT 4626 20th Century Music Theory (3 Credits)
- MUT 4311 Orchestration (3 Credits)
- MUT 4421 18th Century Counterpoint (3 Credits)
- MUT 4564 19th Century Chromatic Harmony (3 Credits)

MVK3331 Applied Piano (2 Credits)

MVK3632 Intermediate Piano Pedagogy (3 Credits)

Senior Year Fall Semester (16 credits)

CHOOSE 3 credits 3000/4000 electives

- select any 3000/4000 level free elective course

MUL4400 Piano Literature I (2 Credits)

MUN3XXX Large Ensemble

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT3611 Form and Analysis (3 Credits)

MVK4341 Applied Piano (2 Credits)

MVK4603 Pedagogy of Group Piano (1-3 Credits)

MVK4941 Internship in Piano Pedagogy I (2 Credits)

Senior Year Spring Semester (12 credits)

MUL4401 Piano Literature II (2 Credits)

MUN3XXX Large Ensemble

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MUT4650 Composition and Improvisation (2 Credits)

MVK4341 Applied Piano (2 Credits)

MVK4641 Advanced Piano Pedagogy (3 Credits)

MVK4942 Internship in Piano Ped II (2 Credits)

Major: Biomedical Sciences

Degree: Bachelor of Science

Prerequisites (40 credits)

Requires grades of C or above.

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: BSC x010/L

BSC1011C General Biology II (4 Credits)

Acceptable substitutes: BSC X011/L

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
 - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: CHM X045C

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
 - CHM 2046L General Chemistry II Lab
- Acceptable substitute: CHM x046C

ORGANIC 1 REQUIREMENT

- CHM 2210 Organic Chemistry I
 - CHM 2210L Organic Chemistry I Lab
- Acceptable substitutes: CHM x210C

ORGANIC 2 REQUIREMENT

- CHM 2211 Organic Chemistry II
 - CHM 2211L Organic Chemistry II Lab
- Acceptable substitutes: CHM x211C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MAC x233, x281, x241

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: STA x023, x014, MAC x282, X242

PHYSICS 1 REQUIREMENT

- PHY 2053 Algebra Physics I (3 credits)
- PHY 2053L Algebra Physics I Lab (1 credits) Acceptable substitutes: PHY2048/2048L, BSC2085C

PHYSICS 2 REQUIREMENT

- PHY 2054 Algebra Physics II (3 credits)
- PHY 2054L Algebra Physics II Lab (1 credit) Acceptable substitutes: PHY2049/2049L, BSC2086C

Contextual Courses (3 credits)

Requires grades of C or above.

SELECT ONE OF THE FOLLOWING

- HSC 3537 Medical Terminology (3 credits)
- SPC 4064 Public Speaking Professionals (3 credits)

Major Requirements (25 credits)

Requires grades of C or above. Courses must be taken in prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

BSC2012C General Biology III (4 Credits)

- Prereqs: BSC1011C

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

MCB3020C Microbial Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2046/2046L

PCB3063 Genetics (3 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3063L Genetics Lab (1 Credit)

Co-req: PCB3063

BCH4024 Mol Biol Biochem (3 Credits)

Prereq: PCB 3023C

BSC3842 Writing Skills in Biology (1 Credit)

Co-req BSC2012C General Biology III

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC3842

CHOOSE ONE OF THE FOLLOWING

- PCB 4713C Human Physiology (4 credits) Prereqs: PCB3023C and either ZOO3733C or BSC2085C and BSC2086C
- BSC 4801C Animal Physiology (4 Credits) Prereqs: MCB3023C

NOTE: Students who have completed either ZOO3733C or BSC2085C AND BSC2086C Must enroll in PCB4713C.

Major Electives (18 credits)

All major electives require a grade of C or above. Select a total of at least 25 credits. One Course must be from Category 1 and the remainder from Category 2. At least one course from Category 2 must have a lab

SELECT_ one course from category 1

CATEGORY 1:

- PCB 3043 C Principles of Ecology (4 credits) Prereq: BSC 2012C
- Or
- PCB 4674 Evolution (3 credits) Prereq: PCB3043C or PCB3063/L

SELECT at least 14-15 cr. from Cat. 2

One Biology elective must have a lab to complete this requirement. Students are encouraged to take BSC4921 Biology Lecture Series as part of their major elective

coursework. No more than 2 credits of BSC4921 may be used in the Major Elective area.

- BSC 4870 Biological Basis of Pharmacology (3 credits)
- BSC 4921 Biology Lecture Series (1 credits)
- BSC 4930 Special Topics in Biology (3 credits)
- PCB 4234 Biology of Cancer (3 credits)
- PCB 4233 Immunology (3 credits)
- PCB 4805 Endocrinology (3 credits)
- MCB 4203 Pathogenic Bacteriology (3 credits)
- MCB 4503 Virology (3 credits)
- ZOO 3713C Comparative Vertebrate Anatomy (4 credits)
- ZOO 4234C Parasitology (4 credits)
- ZOO 4715C Introduction to Canine Anatomy (4 credits)
- ZOO 4752 Histology (3 credits)
- ZOO 4485 Biology of Marine Mammals (3 credits)
- ZOO 4485L Biology of Marine Mammals Laboratory (1 credits)
- BSC 4022 Biology of Aging (3 credits)
- ZOO 4513 Animal Behavior (3 credits)
- ZOO 4513L Animal Behavior Lab (1 credits) (3 credits)
- PET 3324 Gross Anatomy for Health Care Professionals (3 credits)
- PCB 4843 Cell and Molecular Neuroscience (3 credits)
- MCB 4021C Molecular Biology Techniques (4 credits)
- PCB 4253C Developmental Biology (4 credits)
- BSC3943 Internship in Applied Biology (variable credits)
- BSC 4941 Mayo Clinic Research Internship (1-4 credits)
- PCB 4067 Molecular Basis of Inheritance (3 credits)
- PCB 4540 Genomics (3 credits)
- BCH 4024L Molecular Biology and Biochemistry Lab (1 credit)
- BSC 4905 Directed Independent Study in Biology (variable credits)
- PCB 4067 Molecular Basis of Inheritance (3 credits)
- ZOO 3733C Human Structure and Function (4 credits)

Free Electives (2 credits)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours.

ELECTIVES 3000/4000 LEVEL

Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour

requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Philosophy
Concentration: General Philosophical Studies
Degree: Bachelor of Arts

Major Requirements (24 credits)

Requires grades of C or higher

PHI2101 (GM) Introduction to Logic (3 Credits)

PHI3084 Philosophical Methods (3 Credits)

HISTORY (6 credits)

Select two courses, each from a different history category

Ancient Western History

- PHH 3100 Ancient Greek Philosophy (3 credits)
- PHH 3104 Socrates and the Sophists (3 credits)
- PHI 3935 Ancient Greek Philosophy: Special Topics (3 credits)

Modern Western History

- PHH 3400 Modern Philosophy (3 credits)
- PHH 3500 Kant to Nietzsche (3 credits)
- PHP 3786 Existentialism (3 credits)

Non-Western History

- PHH 3820 (FC) Chinese Philosophy (3 credits)
- PHH 3860 (FC) Japanese Philosophy (3 credits)
- PHI 3930 Philosophies of India (3 credits)

KNOWLEDGE AND REALITY (3 credits)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)
- PHI 3700 Philosophy of Religion (3 credits)
- PHP 3790 American Philosophy (3 credits)
- PHI 3400 Philosophy of Science (3 credits)
- PHI 3320 Philosophy of Mind (3 credits)
- PHI 3939 Selected Topics in Knowledge and Reality (3 credits)
-

VALUE THEORY (6 Credits)

- PHI 3601 Ethics (3 credits)
- PHM 3020 Philosophy of Love and Sex (3 credits)

- PHM 3050 Ethical Issues in Death and Dying (3 credits)
- PHM 4100 Social Philosophy (3 credits)
- PHM 3304 Political Philosophy (3 credits)
- PHM 3361 Philosophy of Democracy (3 credits)
- PHM 3400 Philosophy of Law (3 credits)
- PHI 3632 Ethics of Sex and Gender (3 credits)
- PHI 3664 Ethics East and West (3 credits)
- PHI 3633 Bioethics (3 credits)
- PHI 3637 Ethical Issues in Public Health (3 credits)
- PHI 3640 Environmental Ethics (3 credits)
- PHI 4641 Business Ethics (3 credits)
- PHI 3800 Aesthetics (3 credits)
- PHI 3880 Philosophy of Film (3 credits)
- PHI 3934 Selected Topics in Value Theory (3 credits)
- PHI 3881 Philosophy of Music (3 credits)
- PHI 2885 Philosophy through Fiction (3 credits)
- PHI 3670 Relativism and Disagreement (3 credits)
- PHI 3684 The Art of Living (3 credits)

DIVERSE METHODS & PERSPECTIVES

(3 CREDITS)

- PHM 3362 Global Justice (3 credits)
- PHH 3811 Philosophy of Zen Buddhism (3 credits)
- PHM 3128 Philosophy of Race and Racism (3 credits)
- PHI 3931 East and West: Special Topics (3 credits)
- PHI 3932 Special Topics in Asian Thought and Practice (3 credits)
- PHH 3810 Introduction to Buddhism (3 credits)
- Any 3000 or 4000 level REL course (3 credits)
- /

Major Electives (9 credits)

Students are free to select major 3 electives from any 3000 or 4000 level philosophy courses offered by the program; one elective must be from the 4000 level. PHI 3084 Philosophical Methods is a pre-requisite for some 4000 level courses.

No more than 15 hours of transfer credit may be used.

Only 3 hours of PHI 4905 may be used in the major.

Grades of C or higher required in courses used toward the major.

- PHI 3120 The Greek Experience, and PHI 3930 Germany Today or other foreign culture courses may not be used as

electives in the philosophy major.

SELECT 2 COURSES AT 3000 LEVEL

SELECT 1 COURSE AT 4000 LEVEL

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being

determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (4 credits)

ELECTIVES 4 HOURS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Chemistry
Concentration: Biochemistry
Degree: Bachelor of Science

Prerequisites (32 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHMX040 & X041, or CHMX045C

Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitutes: CHMX046C

ORGANIC REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II lab

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

PHYSICS REQUIREMENT

(Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)

- PHY 2048C Calc-Based Physics I (4 credits)
- PHY 2049 Calc-Based Physics II (3 credits)
- PHY 2049L Calc-Based Physics II lab (1 credit)

Contextual Courses (12 credits)

BSC1010C General Biology I (4 Credits)

BSC1011C General Biology II (4 Credits)

BSC2012C General Biology III (4 Credits)

Major Requirements (41 credits)

MCB3020C Microbial Biology (4 Credits)

Prereqs: BSC1010C, BSC1011C, BSC2012C,
CHM2045 & L, and CHM2046 & L

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC1010C, BSC1011C, BSC2012C and
CHM2210 & L

PCB3063C Genetics (4 Credits)

Prereqs: BSC1010C, BSC1011C, BSC2012C and
CHM2210 & L

CHM3120 Quantitative Analytical Chem (3 Credits)

(3 credits) and CHM3120L Quantitative Analytical Lab (1
credit)

- Prereq: CHM2045, CHM 2045L, CHM 2046, CHM 2046L

BCH4033 Biochemistry I (3 Credits)

- Prereqs: BSC1010C, CHM2211, CHM2211L

BCH4033L Biochemistry I Lab (1 Credit)

- Prereq: CHM 3120L Coreq: BCH4033

BCH4034 Biochemistry II (3 Credits)

Prereq: BCH 4033

BCH4034L Biochemistry II Laboratory (1 Credit)

prereq: BCH 4033L; Coreq: BCH 4034

CHM4410 Physical Chemistry I (3 Credits)

(3 credits) and CHM4411L Physical Chemistry I Lab (1

credit)

- Prereqs: CHM 2046, CHM 2046L, PHY 2049, PHY 2049L, MAC 2312

CHM4411 Physical Chemistry II (3 Credits)

(3 credits) and CHM4411L Physical Chemistry II Lab (1 credit)

- Prereq: CHM 4410, CHM 4410L

CHM3610 Inorganic Chemistry (3 Credits)

Prereqs: CHM 2211, CHM 3120, CHM 3120L

CHM3610L Inorganic Chemistry Laboratory (1 Credit)

Prereq: CHM 3610

CHM4130 Modern Analytical Chemistry (3 Credits)

- Prereq: CHM 2211, CHM3120

CHM4130L Modern Analytical Chem Lab (1 Credit)

Prereq: CHM4410L

CHM4931 Senior Seminar In Chemistry (1 Credit)

Prereq: CHM 4410 Offered Spring only

Major Electives (7 credits)

No more than 4 hours of CHM 4910: Chemical Research (2-4 credits) may be used towards the major electives.

SELECT FROM THE FOLLOWING:

- CHM 3260 Advanced Organic Chemistry (3 credits)
- CHM 4473 Intro Quantum Chemistry (3 credits)
- CHM 4620 Advanced Inorganic Chemistry (3 credits)
- CHM 4627 Solid State Chemistry (3 credits)
- CHM 4910 Chemical Research (2-4 credits)
- CHM 4930 ST: Chemistry (1-4 credits)
- CHM 4930 Colloids and Surfaces (3 credits)
- CHM 4930 Chemical Informatics (3 credits)
- CHS 4615 Environmental Chemistry (3 credits)
- CHS 4615 Environmental Chemistry Lab (1 credits)

MCB 4021C Molecular Biology Techniques (4 credits)

- PCB 4233 Immunology (3 credits)
- CHM 4930 Drug Discovery (3 credits)

Major: Philosophy
Concentration: Legal-Political-Social Studies
Degree: Bachelor of Arts

Major Requirements (18 credits)

Requires grades of C or higher

PHI2101 (GM) Introduction to Logic (3 Credits)

PHI3084 Philosophical Methods (3 Credits)

PHI3601 Ethics (3 Credits)

HISTORY (6 credits)

Select two courses, each from a different history category

Ancient Western History

- PHH 3100 Ancient Greek Philosophy (3 credits)
- PHH 3104 Socrates and the Sophists (3 credits)
- PHI 3935 Ancient Greek Philosophy: Special Topics (3 credits)

Modern Western History

- PHH 3400 Modern Philosophy (3 credits)
- PHH 3500 Kant to Nietzsche (3 credits)
- PHP 3786 Existentialism (3 credits)

Non-Western History

- PHH 3820 (FC) Chinese Philosophy (3 credits)
- PHH 3860 (FC) Japanese Philosophy (3 credits)
- PHI 3930 Philosophies of India (3 credits)

KNOWLEDGE AND REALITY (3 credits)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)
- PHI 3700 Philosophy of Religion (3 credits)
- PHP 3790 American Philosophy (3 credits)
- PHI 3400 Philosophy of Science (3 credits)
- PHI 3320 Philosophy of Mind (3 credits)
- PHI 3939 Selected Topics in Knowledge and Reality (3 credits)
-

Major Electives (15 credits)

Select at least 12 hours from the following track courses. The remaining 3 hours may be selected from the track or any other approved philosophy course except the foreign culture courses.

At least 3 hours of electives must be at the 4000 level.

No more than 15 hours of transfer credit may be used.

Only 3 hours of PHI 4905 may be used in the major.

Grades of C or higher required in courses used toward the major.

- PHI 3120 The Greek Experience and PHI 3930 Germany Today or other foreign culture courses may not be used as electives in the philosophy major.

SELECT 4 FROM THE FOLLOWING: (12 cr)

- PHI 3632 Ethics of Sex & Gender (3 credits)
- PHI 3670 Relativism and Disagreement (3 credits)
- PHI 3930 ST: Philosophy (3 credits)
- PHI 4420 Philosophy of Social Sciences (3 credits)
- PHI 4905 Directed Individual Study (3 credits)
- PHI 4930 Topics in Philosophy (3 credits)
- PHM 3050 Ethical Issues/Death & Dying (3 credits)
- PHM 4100 Social Philosophy (3 credits)
- PHM 3304 Political Philosophy (3 credits)
- PHM 3362 Global Justice (3 credits)
- PHM 3361 Philosophy of Democracy (3 credits)
- PHM 3400 Philosophy of Law (3 credits)
- PHM 4340 Contemporary Political Philosophy (3 credits)
- PHI 3934 Selected Topics in Value Theory (3 credits)

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (4 credits)

ELECTIVES 4 HOURS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required

prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Chemistry

Concentration: General

Degree: Bachelor of Science

Prerequisites (32 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHMX040 & X041, or CHMX045C

Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitutes: CHMX046C

ORGANIC REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II lab

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

PHYSICS REQUIREMENT

(Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)

- PHY 2048C Calc-Based Physics I (4 credits)
- PHY 2049 Calc-Based Physics II (3 credits)
- PHY 2049L Calc-Based Physics II lab (1 credit)

Contextual Courses (8 credits)

Please note that beginning Fall 2010, MAP 2302 Ordinary Differential Equations will no longer be a contextual requirement.

BSC1010C General Biology I (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

Major Requirements (24 credits)

CHM3120 Quantitative Analytical Chem (3 Credits)

(3 credits) and CHM3120L Quantitative Analytical Chemistry Lab (1 credit)

- Prereqs: CHM 2045, CHM 2045L, CHM 2046, CHM 2046L

BCH4033 Biochemistry I (3 Credits)

- Prereqs: CHM 2211, CHM 2211L

CHM4410 Physical Chemistry I (3 Credits)

(3 credits) and CHM4410L Physical Chemistry Lab (1 credit)

- Prereqs: CHM2046, CHM 2046L, PHY 2049, PHY 2049L, MAC 2312

CHM4411 Physical Chemistry II (3 Credits)

(3 credits) and CHM4411L Physical Chemistry II Lab (1 credit)

- Prereq: CHM 4410, CHM 4410L

CHM3610 Inorganic Chemistry (3 Credits)

(3 credits) and CHM3610L Inorganic Chemistry Lab (1 credit)

- Prereq: CHM 2211, CHM 3120, CHM 3120L

CHM4130 Modern Analytical Chemistry (3 Credits)

- Prereq: CHM2211, CHM3120

CHM4130L Modern Analytical Chem Lab (1 Credit)

- Prereq: CHM4410L

CHM4931 Senior Seminar In Chemistry (1 Credit)

Offered Spring semester only

Major Electives (15 credits)

No more than 4 hours of CHM 4910 may be used towards the major electives. CHM 4473 or PHY 4604 recommended for students preparing for graduate school in chemistry.

SELECT 1 FROM THE FOLLOWING:

- CHM 3260 Advanced Organic Chemistry (3 credits)
- CHS 4615 Environmental Chemistry (3 credits)
- CHS 4615L Environmental Chemistry Lab (Coreq: CHS 4615) (3 credits, Coreq: CHS 4615 Environmental Chemistry)
- BCH 4034 Biochemistry II (3 credits)
- CHM 4473 Intro Quantum Chemistry (3 credits)
- CHM 4612 Advanced Inorganic Chemistry (3 credits)
- CHM 4627 Solid State Chemistry (3 credits)

SELECT 12 HRS FROM THE FOLLOWING:

(Must not have been taken for above category)

- CHM 3260 Advanced Organic Chemistry (3 credits)
- BCH 4033L Biochemistry I Lab (1 credit)
- BCH 4034 Biochemistry II (3 credits)
- BCH 4034L Biochemistry II Lab (1 credit)
- CHS 4610 Environmental Chemistry (3 credits)
- CHS 4610L Environmental Chemistry Lab (1 credit)
- CHM 4910 Chemical Research (1-4 credits)
- CHM 4930 ST: Chemistry (1-4 credits)
- CHM 4930 Polymer Chemistry (3 credits)
- PHY 3101 Modern Physics (3 credits)
- PHY 3101L Modern Physics Lab (1 credit)
- PHY 3722C Electronics For Scientists (3 credits)
- CHM 4473 Intro Quantum Chemistry (3 credits)
- PHY 4604 Quantum Mechanics (3 credits)
- CHM 4612 Advanced Inorganic Chemistry (3 credits)
- CHM 4627 Solid State Chemistry (3 credits)

Free Electives (13 credits)

MAC 2313 Calculus 3 (4 credits) and MAS 3105 Linear Algebra (4 credits) are recommended as free electives.

SELECT 13 HRS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Philosophy
Concentration: Studies in Applied Ethics
Degree: Bachelor of Arts

Major Requirements (18 credits)

Requires grades of C or higher

PHI2101 (GM) Introduction to Logic (3 Credits)

PHI3084 Philosophical Methods (3 Credits)

PHI3601 Ethics (3 Credits)

HISTORY (6 credits)

Select two courses, each from a different history category

Ancient Western History

- PHH 3100 Ancient Greek Philosophy (3 credits)
- PHH 3104 Socrates and the Sophists (3 credits)
- PHI 3935 Ancient Greek Philosophy: Special Topics (3 credits)

Modern Western History

- PHH 3400 Modern Philosophy (3 credits)
- PHH 3500 Kant to Nietzsche (3 credits)
- PHP 3786 Existentialism (3 credits)

Non-Western History

- PHH 3820 (FC) Chinese Philosophy (3 credits)
- PHH 3860 (FC) Japanese Philosophy (3 credits)
- PHI 3930 Philosophies of India (3 credits)

KNOWLEDGE AND REALITY (3 credits)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)
- PHI 3700 Philosophy of Religion (3 credits)
- PHP 3790 American Philosophy (3 credits)
- PHI 3400 Philosophy of Science (3 credits)
- PHI 3320 Philosophy of Mind (3 credits)
- PHI 3939 Selected Topics in Knowledge and Reality (3 credits)
- /

Major Electives (15 credits)

Select 12 hours from the following track courses. The remaining 3 hours may be selected from the track or any other approved philosophy course except foreign culture courses.

At least 3 hours of electives must be at the 4000 level.

No more than 15 hours of transfer credit may be used.

Only 3 hours of PHI 4905 may be used in the major.

Grades of C or higher required in courses used toward the major.

- PHI 3120 The Greek Experience and PHI 3930 Germany Today or other foreign culture courses may not be used as electives in the philosophy major.

SELECT 4 FROM THE FOLLOWING:(12 cr)

- PHI 3633 Bioethics (3 credits)
- PHI 3640 Environmental Ethics (3 credits)
- PHI 4641 Business Ethics (3 credits)
- PHI 3670 Relativism and Disagreement (3 credits)
- PHI 3684 The Art of Living (3 credits)
- PHI 3930 ST: Philosophy (3 credits)
- PHI 3453 Philosophy of Psychology (3 credits)
- PHI 3674 Lies & Self Deception (3 credits)
- PHI 4905 Directed Individual Study (3 credits)
- PHI 4930 Topics in Philosophy (3 credits)
- PHI 3637 Ethical Issues in Public Health (3 credits)
- PHM 3050 Ethical Issues/Death & Dying (3 credits)
- PHM 4100 Social Philosophy (3 credits)
- PHM 3304 Political Philosophy (3 credits)
- PHM 3362 Global Justice (3 credits)
- PHM 3400 Philosophy of Law (3 credits)
- PHI 3934 Selected Topics in Value Theory (3 credits)
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SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a

minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (4 credits)

ELECTIVES 4 HOURS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Chemistry
Concentration: Materials Chemistry
Degree: Bachelor of Science

Prerequisites (32 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
 - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: CHMX040 & X041, or CHMX045C
Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
 - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

ORGANIC REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II lab

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

PHYSICS REQUIREMENT

(Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)

- PHY 2048C Calc-Based Physics I (4 credits)
- PHY 2049 Calc-Based Physics II (3 credits)
- PHY 2049L Calc-Based Physics II lab (1 credit)

Contextual Courses (14 credits)

BSC1010C General Biology I (4 Credits)

COP2220 Programming I (3 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Major Requirements (39 credits)

CHM3120 Quantitative Analytical Chem (3 Credits)

(3 credits) and CHM 3120L Quantitative Analytical
Chem Lab (1 credit)

- Prerequisites:: CHM 2045, CHM 2045L, CHM 2046, CHM 2046L

BCH4033 Biochemistry I (3 Credits)

Prerequisites: BSC1010C, CHM 2211, CHM 2211L

CHM4410 Physical Chemistry I (3 Credits)

(3 credits) and Physical Chemistry I Lab (1 credit)

-
- Prerequisites: CHM2046, CHM2046L, PHY2049, PHY2049L, MAC2312

CHM4411 Physical Chemistry II (3 Credits)

(3 credits) and CHM 4411L Physical Chemistry II Lab (1
credit)

- Prerequisites: CHM 4410 and CHM 4410L

CHM3610 Inorganic Chemistry (3 Credits)

(3 credits) and CHM 3610L Inorganic Chemistry Lab (1
credit)

- Prerequisites: CHM 2211, CHM 3120, CHM 3120L

CHM4130 Modern Analytical Chemistry (3 Credits)

- Prerequisites: CHM2211, CHM3120

CHM4130L Modern Analytical Chem Lab (1 Credit)

- Prerequisites: CHM4410L

CHM4931 Senior Seminar In Chemistry (1 Credit)

Offered Spring semester only

PHY3101 Modern Physics (3 Credits)

Prerequisites: PHY 2049

PHZ3113C Mathematical Physics (4 Credits)

Prerequisites: PHY 2049 & MAC 2313, Co-Req MAP 2302

PHY3424C Optics with Laboratory (4 Credits)

Prerequisites: PHY 2049 & MAC2313

PHY3722C Electronics for Scientists (4 Credits)

Prerequisites: PHY 2049, PHY 2049L & MAC2312

Major Electives (6 credits)

SELECT 6 HRS FROM THE FOLLOWING:

- CHM 3260 Advanced Organic Chemistry (3 credits) (3 credits)
(Prerequisites; CHM2211)
- CHM 4612 Advanced Inorganic Chemistry (3 credits)
(Prerequisites: CHM3610 and CHM4410)
- CHM 4627 Solid State Chemistry (3 credits) (Prerequisites:
CHM3610 and CHM4410)
- PHY 3404 Solid State Physics (3 credits) (Prerequisites:
PHY3101)
- EMA 3010 Introduction to Materials Science & Engineering (3
credits) (Prerequisites: CHM2045 and CHM2045L)
- PHY 3604 Quantum Mechanics (4 credits) (Prerequisites:
PHY3101, MAC2313, and MAP2302)
- BCH 4033L Biochemistry I Laboratory (1 credit) (Prerequisites:
CHM3120L; Co-requisite: BCH 4033)
- CHS 4610L Environmental Chemistry Laboratory (1 credit)
(Co-requisite: CHS 4610)
- CHM 4910 Chemical Research (2-4 credits)

Major: Chemistry
Concentration: Pre-Medical Professions
Degree: Bachelor of Science

Prerequisites (32 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

Acceptable substitutes: CHMX040 & X041, or CHMX045C

Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

Acceptable substitutes: CHMX046C

ORGANIC REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II lab

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

PHYSICS REQUIREMENT

(Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)

- PHY 2048C Calc-Based Physics I (4 credits)
- PHY 2049 Calc-Based Physics II (3 credits)
- PHY 2049L Calc-Based Physics II lab (1 credit)

Contextual Courses (12 credits)

BSC1010C General Biology I (4 Credits)

BSC1011C General Biology II (4 Credits)

BSC2012C General Biology III (4 Credits)

Major Requirements (25 credits)

CHM3120 Quantitative Analytical Chem (3 Credits)

and CHM 3120L Quantitative Analytical Chemistry Lab
(1 credit)

- Prereq: CHM 2045, CHM 2045L, CHM 2046, CHM 2046L

BCH4033 Biochemistry I (3 Credits)

- Prereq: BSC1010C, CHM2211 & CHM2211L

BCH4033L Biochemistry I Lab (1 Credit)

Prerequisite: CHM3120L; Co-requisite: BCH4033

CHM4410 Physical Chemistry I (3 Credits)

and CHM 4410L Physical Chemistry Lab (1 credit)

Prereq: CHM 2046, CHM 2046L, PHY 2049, PHY2049L,
MAC2312

CHM4411 Physical Chemistry II (3 Credits)

and CHM 4411L Physical Chemistry II Lab (1 credit)

Prereq: CHM 4410, CHM 4410L

CHM3610 Inorganic Chemistry (3 Credits)

and CHM 3610L Inorganic Chemistry Lab (1 credit)

Prereq: CHM 2211, CHM 3120, CHM 3120L

CHM4130 Modern Analytical Chemistry (3 Credits)

Prereq: CHM2211, CHM3120

CHM4130L Modern Analytical Chem Lab (1 Credit)

- Prereq: CHM4410L

CHM4931 Senior Seminar In Chemistry (1 Credit)

Offered Spring semester only Prereq: CHM 4410

Major Electives (23 credits)

No more than 4 hours of CHM 4910 may be used towards the major electives.

SELECT 1 FROM THE FOLLOWING:

- CHM 3260 Advanced Organic Chemistry (3 credits)
- CHM 4034 Biochemistry II (3 credits)
- CHM 4473 Intro Quantum Chemistry (3 credits)
- CHM 4620 Advanced Inorganic Chemistry (3 credits)
- CHM 4627 Solid State Chemistry (3 credits)
- CHS 4615 Environmental Chemistry (3 credits)

SELECT_ 1 HOUR FROM THE FOLLOWING:

- CHS 4615L Environmental Chemistry Lab (1 credits)
- CHM 4910 Chemical Research (1-4 credits)

SELECT 19 HRS FROM THE FOLLOWING:

(Must not have been taken for above categories)

- CHM 3260 Advanced Organic Chemistry (3 credits)
- BCH 4034 Biochemistry II (3 credits)
- BCH 4034L Biochemistry II Lab (1 credits)
- CHM 4473 Intro Quantum Chemistry (3 credits)
- CHM 4620 Advanced Inorganic Chemistry (3 credits)
- CHM 4627 Solid State Chemistry (3 credits)
- CHM 4910 Chemical Research (1-4 credits)
- CHM 4930 ST: Chemistry (1-4 credits)
- CHM 4930 Colloids and Surfaces (3 credits)
- CHM 4930 Chemical Informatics (3 credits)
- CHS 4615 Environmental Chemistry (3 credits)
- CHS 4615L Environmental Chemistry Lab (1 credits)
- PCB 3023C Molecular and Cell Biology (4 credits)
- PCB 3063C Genetics (4 credits)
- MCB 3020C Microbial Biology (4 credits)

Major: Physics
Concentration: Civil Engineering
Degree: Bachelor of Science

Prerequisites (28 credits)

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I (3 credits)
 - CHM 2045L General Chemistry I Lab (1 credit)
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C Students must complete Introduction to Chemistry, CHM1025/L with a "C" or higher to take Chemistry I)

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II (3 credits)
 - CHM 2046L General Chemistry II Lab (1 credit)
- Acceptable substitute: CHMX046C

MATHEMATICS REQUIREMENT

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitute: MACX281

Prereq: MAC 1147 (Students must complete MAC1105 and Trig or Pre Calc with a "C" or higher to take Calc I)

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitute: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitute: MACX283

Prereq: MAC 2312

PHYSICS REQUIREMENT:

- PHY 2048C Calculus-based Physics I (4 credits) Students must complete Introduction to Physics, PHY 1028 with a "C" or higher to take Physics I)
- PHY 2049 Calculus-based Physics II (3 credits)
- PHY 2049L Calculus-based Physics II Lab (1 credit)

Requisites (3 credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Major Requirements (47 credits)

Grades of C or higher required in all physics and engineering courses.

PHY1024 Exploring Majoring in Physics (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113C Mathematical Physics (4 Credits)

Prereqs: PHY 2049 and MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4320 Electricity and Magnetism (4 Credits)

Prereq: PHZ 3113C

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049/L and MAC 2313

PHY3604 Quantum Mechanics (4 Credits)

Prereq: PHZ 3113C

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: (PHY 3101 or CHM 4410C) and MAC 2313

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

PHY4911 Physics Research and Seminar 2 (1 Credit)

Prereq: PHY 4910

EGN3311 Statics (3 Credits)

CWR3561 Numerical Methods and Computing (3 Credits)

CES3100 Analysis of Structures (3 Credits)

CES3104C Mechanics of Materials (3 Credits)

CWR3201 Fluid Mechanics (3 Credits)

Major Electives (10 credits)

Grades of C or above required in all engineering courses.

SELECT 10 HRS (3000/4000)

- CGN, CEG, CWR, TTE, PHY, PHZ

Major: Communication
Concentration: Advertising
Degree: Bachelor of Science

Informational Text

Grades of C or higher are required in all Foundation and Major Courses

- B.S. in Communication majors must complete a minimum of 72 hours outside of journalism and mass communication.
- B.S. in Communication majors can take no more than 6 credit hours for internships.

Prerequisites (18 credits)

Course cannot include ENC or LIT prefix courses. 18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Foundation (12 credits)

SPC2608 Fundamentals of Speech (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

ENC3250 (GW)Professional Communication (3 Credits)

- Students should select the sections listed for Advertising majors - ENC3250 G(W)Prof. Comm:Advertising

SELECT 1 COURSE FROM BELOW:

- MAR 3023 Principles of Marketing (3 credits)
- ADV 3812 Integrated Marketing Communication (3 credits)

Major Requirements (19 credits)

MMC1004 Media Literacy (3 Credits)

Co-req: MMC3105 Advanced Writing For The Media (3 credits)

MMC3105 Advanced Writing For The Media (3 Credits)

Co-reqs: MMC 3614 Theories and Media Effects (3 credits), MMC 1004 Media Literacy (3 credits)

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004 Media Literacy (3 credits)

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004; Co-req: MMC3105

MMC4420 Mass Communications Research (3 Credits)

- Prereqs: MMC1004, MMC3105, MMC3614, and Statistics (STA2023 - Elementary Statistics for Business for the Advertising track or STA2014 Elementary Statistics-Health/SS for the PR track and the Multimedia and Journalism & Production track.)

- Advertising and Public Relations Concentrations select either MMC4422 Advertising and PR Research (3credits) or MMC4420 Mass Communication Research.

- Prereqs: MMC1004, MMC3105, and ADV3008 or PUR3000

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 Sophomore or higher standing as a Communication major; major GPA of 2.0 or higher. Coreq: Permission of Instructor

MMC4975 Internship Senior Project (3 Credits)

Prereqs: MMC1004, MMC 3200, MMC 3614, MMC 3105, MMC3942, MMC4420 and Senior standing (at least 90 credits), at least 3 courses required in the student's concentration, and both a UNF and Major GPA of 2.0 or higher.

Public Relations Concentration students must have taken PUR3000, PUR3100 and PUR4801 before taking MMC4975.

For Multimedia Journalism track students, JOU 3109, Jou 3332, are prerequisites before taking MMC 4975.

Major Electives (21 credits)

ADV3008 Principles of Advertising (3 Credits)

- Prereq: MMC1004, MMC3105 and MAR3023 or ADV 3812 Integrated Marketing Communication

ADV3101 Advertising Creative Strategy (3 Credits)

- Prereqs: ADV 3008, MMC1004 & MMC 3105

ADV3203 Advertising Media Graphics (3 Credits)

- Prereq: MMC1004 Media Literacy (3 Credits)

ADV3300 Media Planning (3 Credits)

- Prereqs: ADV3008, MMC1004, MMC3105, and either MMC4420 or ADV3500

ADV4800 Advertising Campaigns (3 Credits)

Prereqs: ADV3008, ADV3101, MMC1004, MMC3105, ADV3203 and MMC4420 or ADV3500

SELECT 2 FROM THE FOLLOWING:(6cr)

- ADV 3500 Advertising Research Methods (3 credits)
Prereqs: ADV 3008, MMC1004, MMC3105, and MMC3614
- ADV 3200C Advertising Design (3 credits)
Prereqs: MMC1004, MMC3105, ADV3008, ADV3101, ADV3203
- ADV4030 Strategic Branding (3 credits)
Prereqs: ADV3008 or PUR3000
- PUR3000 Principles of Public Relations (3 credits)
Prereqs: MMC1004 and MMC3105
- MMC 3402 Political Advertising (3 credits)
- MMC 4630 Understanding Emerging Media (3 credits)
Prereqs: MMC1004, MMC3105, and one of the following:
PUR3000 or ADV3008 or MMC4500
- MMC 3001 Social Media for Communication (3 credits)
MMC3105 or permission of instructor
- MMC4732 Social Media Management (3 credits)

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the

College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: Communication
Concentration: Digital Video Production
Degree: Bachelor of Science

Informational Text

Grades of C or higher are required in all Foundation and Major Courses

- B.S. in Communication majors must complete a minimum of 72 hours outside of journalism and mass communication.
- B.S. in Communication majors can take no more than 6 credit hours for internships.

Prerequisites (18 credits)

Course cannot include ENC or LIT prefix courses. 18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Foundation (6 credits)

SPC2608 Fundamentals of Speech (3 Credits)

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

Major Requirements (19 credits)

MMC1004 Media Literacy (3 Credits)

Co-req: MMC3105 Advanced Writing For The Media (3 credits)

MMC3105 Advanced Writing For The Media (3 Credits)

Co-reqs: MMC 3614 Theories and Media Effects (3 credits), MMC 1004 Media Literacy (3 credits)

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004 Media Literacy (3 credits)

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004; Co-req: MMC3105

MMC4420 Mass Communications Research (3 Credits)

- Prereqs: MMC1004, MMC3105, MMC3614, and Statistics (STA2023 - Elementary Statistics for Business for the Advertising track or STA2014 Elementary Statistics-Health/SS for the PR track and the Multimedia and Journalism & Production track.)
- Advertising and Public Relations Concentrations select either MMC4422 Advertising and PR Research (3credits) or MMC4420 Mass Communication Research.
- Prereqs: MMC1004, MMC3105, and ADV3008 or PUR3000

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 Sophomore or higher standing as a Communication major; major GPA of 2.0 or higher. Coreq: Permission of Instructor

MMC4975 Internship Senior Project (3 Credits)

Prereqs: MMC1004, MMC 3200, MMC 3614, MMC 3105, MMC3942, MMC4420 and Senior standing (at least 90 credits), at least 3 courses required in the student's concentration, and both a UNF and Major GPA of 2.0 or higher.

Public Relations Concentration students must have taken PUR3000, PUR3100 and PUR4801 before taking MMC4975.

For Multimedia Journalism track students, JOU 3109, Jou 3332, are prerequisites before taking MMC 4975.

Major Electives (21 credits)

RTV3260 Single Camera Video Production (3 Credits)

- Prereqs: MMC 1004

RTV3221 Digital Video Editing (3 Credits)

- Prereqs: MMC 1004 and MMC 3105

RTV3228 Multi Camera Video Production (3 Credits)

- Prereqs: MMC 1004, RTV 3260, and RTV 3221

RTV4221 Adv TV Production (3 Credits)

- Prereqs: MMC 1004, MMC 3105, RTV 3260, RTV 3221, and RTV 3228

SELECT_ 3 from the following:(9cr)

- RTV 4581 Lighting for Production (3 credits)
- MMC 4500 History of Mass Communication (3 credits)
Prereqs: MMC 1004 and MMC 3105
- COM 3346 Interviewing: Theories and Methods (3 credits)
Prereqs: SPC2608 or SPC4064
- MMC 3711 Multimedia Graphics (3 credits)
Prereqs: MMC3105
- RTV 3000 Principles of Broadcasting (3 credits)
- SPC 4064 Public Speaking for Professionals (3 credits)
- RTV 3601 Announcing & Performance (3 credits)
- PUR 3000 Principles of Public Relations (3 credits)
- ADV 3008 Principles of Advertising (3 credits)
- RTV 4330 Documentary Fundamentals (3 credits)
- JOU 3342 Multimedia Storytelling (3 credits)
- RTV 4612 Digital Video Effects (3 credits)
- RTV 4291 Narrative Production (3 credits)
- RTV 4225 Corporate Production (3 credits)
- COM 4930 Strategic Social Media (3 credits)
- MMC 3402 Political Advertising (3 credits)
- RTV 4930/4931 - Special Topics (3 credits)

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: Communication
Concentration: Multimedia Journalism
Degree: Bachelor of Science

Informational Text

Grades of C or higher are required in all Foundation and Major Courses

- B.S. in Communication majors must complete a minimum of 72 hours outside of journalism and mass communication.
- B.S. in Communication majors can take no more than 6 credit hours for internships.

Prerequisites (18 credits)

Course cannot include ENC or LIT prefix courses. 18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Foundation (6 credits)

SPC2608 Fundamentals of Speech (3 Credits)

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

Major Requirements (19 credits)

MMC1004 Media Literacy (3 Credits)

Co-req: MMC3105 Advanced Writing For The Media (3 credits)

MMC3105 Advanced Writing For The Media (3 Credits)

Co-reqs: MMC 3614 Theories and Media Effects (3 credits), MMC 1004 Media Literacy (3 credits)

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004 Media Literacy (3 credits)

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004; Co-req: MMC3105

MMC4420 Mass Communications Research (3 Credits)

- Prereqs: MMC1004, MMC3105, MMC3614, and Statistics (STA2023 - Elementary Statistics for Business for the Advertising track or STA2014 Elementary Statistics-Health/SS for the PR track and the Multimedia and Journalism & Production track.)
- Advertising and Public Relations Concentrations select either MMC4422 Advertising and PR Research (3credits) or MMC4420 Mass Communication Research.
- Prereqs: MMC1004, MMC3105, and ADV3008 or PUR3000

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 Sophomore or higher standing as a Communication major; major GPA of 2.0 or higher. Coreq: Permission of Instructor

MMC4975 Internship Senior Project (3 Credits)

Prereqs: MMC1004, MMC 3200, MMC 3614, MMC 3105, MMC3942, MMC4420 and Senior standing (at least 90 credits), at least 3 courses required in the student's concentration, and both a UNF and Major GPA of 2.0 or higher.

Public Relations Concentration students must have taken PUR3000, PUR3100 and PUR4801 before taking MMC4975.

For Multimedia Journalism track students, JOU 3109, Jou 3332, are prerequisites before taking MMC 4975.

Major Electives (21 credits)

MMC4500 History of Mass Communication (3 Credits)

- Prereqs: MMC 1004 & MMC 3105

JOU3109 Multimedia Reporting (3 Credits)

- Prereqs: MMC 1004 and MMC 3105

JOU3925 Applied Journalism (3 Credits)

- Prereqs: MMC 1004, MMC 3105, and JOU 3109

JOU3342 Multimedia Storytelling (3 Credits)

- Prereqs: MMC 1004, MMC 3105, and JOU 3109

JOU4348 Advanced Multimedia Storytelling (3 Credits)

- Prereqs: MMC 1004, MMC 3105, MMC 4500, JOU 3109, and JOU 3342

SELECT 2 from the following: (6 cr)

3000 or 4000 level courses with the JOU or MMC prefix

3000 or 4000 level courses with the RTV prefix (except

RTV 3260 Single-camera Video Production, RTV 3228

Multi-camera Video Production, and RTV 4221

Advanced Production)

COM 3346 Interviewing: Theories and Methods (3 credits)

- Prereqs: SPC2608 or SPC4064
COM 4430 International Communication (3 credits)
- Prereqs: SPC2608, SPC4064, MMC3614 or permission of instructor

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: Communication
Concentration: Public Relations
Degree: Bachelor of Science

Informational Text

Grades of C or higher are required in all Foundation and Major Courses

- B.S. in Communication majors must complete a minimum of 72 hours outside of journalism and mass communication.
- B.S. in Communication majors can take no more than 6 credit hours for internships.

Prerequisites (18 credits)

Course cannot include ENC or LIT prefix courses. 18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Foundation (6 credits)

SPC2608 Fundamentals of Speech (3 Credits)

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

Major Requirements (19 credits)

MMC1004 Media Literacy (3 Credits)

Co-req: MMC3105 Advanced Writing For The Media (3 credits)

MMC3105 Advanced Writing For The Media (3 Credits)

Co-reqs: MMC 3614 Theories and Media Effects (3 credits), MMC 1004 Media Literacy (3 credits)

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004 Media Literacy (3 credits)

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004; Co-req: MMC3105

MMC4420 Mass Communications Research (3 Credits)

- Prereqs: MMC1004, MMC3105, MMC3614, and Statistics (STA2023 - Elementary Statistics for Business for the Advertising track or STA2014 Elementary Statistics-Health/SS for the PR track and the Multimedia and Journalism & Production track.)
- Advertising and Public Relations Concentrations select either MMC4422 Advertising and PR Research (3credits) or MMC4420 Mass Communication Research.
- Prereqs: MMC1004, MMC3105, and ADV3008 or PUR3000

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 Sophomore or higher standing as a Communication major; major GPA of 2.0 or higher. Coreq: Permission of Instructor

MMC4975 Internship Senior Project (3 Credits)

Prereqs: MMC1004, MMC 3200, MMC 3614, MMC 3105, MMC3942, MMC4420 and Senior standing (at least 90 credits), at least 3 courses required in the student's concentration, and both a UNF and Major GPA of 2.0 or higher.

Public Relations Concentration students must have taken PUR3000, PUR3100 and PUR4801 before taking MMC4975.

For Multimedia Journalism track students, JOU 3109, Jou 3332, are prerequisites before taking MMC 4975.

Major Electives (21 credits)

PUR3000 Principles of Pub Relations (3 Credits)

Prereqs: MMC1004, MMC3105

PUR3100 Public Relations Writing (3 Credits)

Prereqs: MMC1004, MMC 3105, PUR3000

ADV3203 Advertising Media Graphics (3 Credits)

Prereqs: MMC1004

PUR4800 Public Relations Campaigns (3 Credits)

Prereqs: MMC 1004, MMC 3105, PUR 3000, PUR 3100,
PUR 4801, & MMC4420

PUR4801 Public Relations Cases (3 Credits)

Prereqs: MMC 1004, PUR 3000 & MMC 3105

SELECT 2 FROM THE FOLLOWING:(6cr)

- PUR4400 Crisis Communication (3 credits)
Prereqs: PUR3000 & MMC3105
- ADV3008 Principles of Advertising (3 credits)
Prereqs: MMC3105 & MMC1004
- ADV3101 Advertising Creative Strategy (3 credits)
Prereqs: ADV3008, MMC1004, & MMC3105
- ADV 3200C Advertising Design (3 credits)
Prereqs: ADV3008, ADV3101, ADV3203, MMC1004, &
MMC3105
- ADV4030 Strategic Branding (3 credits)
Prereqs: PUR3000
- MMC3402 Political Advertising (3 credits)
- MMC4251 Creating Health Messages for Mass Media (3
credits)
Prereqs: MMC3105 with a grade of C or higher
- SPC4064 Public Speaking for Professionals (3 credits)
- MMC4630 Understanding Emerging Media (3 credits)
Prereqs: MMC1004, MMC3105, and one of the following:
PUR3000, ADV3008 or MMC4500
- PUR4450 3 Public Relations and Event Planning (3 credits)
Prereqs: MMC1004, MMC3105, PUR3000, & PUR 3100
- RTV3234 Announcing & Performance (3 credits)
- MMC 3001 Social Media for Communication (3 credits)
Prereqs: MMC3105 or permission of instructor
- MMC4732 Social Media Management (3 credits)

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48

upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: Communication Studies

Degree: Bachelor of Arts

Prerequisites (3 credits)

Students intending to major in Communication Studies must complete the following with grades of C or above:

SPC2608 Fundamentals of Speech (3 Credits)

Foundation (3 credits)

Students intending to major in Communication Studies must complete the following with grades of C or above:

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

Major Requirements (18 credits)

Grades of C or higher are required in all Major Courses.

COM3003 Prin of Comm Studies (3 Credits)

COM3332 Mediated Communication (3 Credits)

- Prerequisite: SPC2608 or SPC4064 or COM 3003

COM3042 Interpersonal Communication (3 Credits)

- Prerequisite: SPC 2608 or SPC 4064

COM3120 Organizational Communication (3 Credits)

- Prerequisite: SPC 2608 or SPC 4064

COM3752 Listening (3 Credits)

TAKE one of the below options:

Students are required to complete either the internship or COM4301 Communication Theory and Research Methods

- MMC 4975 Internship Senior Project (3 Credits) Prerequisites: MMC3942, COM3003, COM3120, COM3042, COM3752, COM3332

Or complete Communication Theory and Research Methods

- COM 4301 Communication Theory and Research Methods (3 Credits) Prerequisites: STA 2014, COM3003, COM3120, COM3042, COM3752, COM3332

Major Electives (15 credits)

Students must take a minimum of 15 hours of course work in Communication Studies at UNF. A grade of "C" or better is required for all courses, including prerequisites. Transient/concurrent enrollment at other institutions is not permitted.

SELECT 15 CREDITS FROM BELOW COURSES:

- COM 3044 Lying & Deception (3credits)
- COM 3346 Interviewing: Theories and Methods (3credits)
-
- Prerequisites: SPC2608 or SPC4064
- COM 3440 Small Group Communication (3credits)
-
- Prerequisites: SPC2608 or SPC4064
- COM 4373 Consequences of Cyberculture (3credits)
- COM 4561 Strategic Social Media (3credits)
- COM 4022 Theory & Research Methods in Health Communication (3 credits)
-
- Prerequisites: COM3042
- COM 4301 Communication Theory & Research Methods (3 credits)
-
- Prerequisites: SPC2608 or SPC4064
- COM 4411 Communication and Popular Culture (3 credits)
-
- Prerequisites: SPC2608 or SPC4064
- COM 4430 International Communication (3credits)
-
- Prerequisites: COM 3003
- COM 4905 Independent Study in Communication Studies (3 credits)
-
- Prerequisites: Consent of Instructor And Department Chair
- COM 4930 Special Topics in Communication Studies (3 Credits)
-
- Prerequisites: COM 3003 or permission of instructor

- MMC2701 Communicating across Cultures (3credits)
Recommended Gen Ed.
- MMC3402 Political Advertising (3credits)
- SPC 3540 Theories of Persuasion (3credits)
-
- Prerequisites: SPC2608 or SPC4064
- SPC 4064 Public Speaking for Professionals (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on

their placement following the exam.

- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major: Criminal Justice

Degree: Bachelor of Arts

Major Requirements (24 credits)

CCJ3023 Intro to Criminal Justice (3 Credits)

CCJ3014 Criminological Theory (3 Credits)

CCJ3700 Res Meth Crimin & Crim Justice (3 Credits)

Prereq: STA 2014

CJJ3010 Juven Delin and Juven Justice (3 Credits)

CJL4310 Criminal Law and Procedures I (3 Credits)

CJE4017 Law Enforcement System/Process (3 Credits)

CJL4510 Court Systems And Processes (3 Credits)

CJC4015 Correctional Systems/Process (3 Credits)

Major Electives (6 credits)

In-service students select 3 courses; non-service select 2 courses.

SELECT 2 CRIMINAL JUSTICE ELECTIVES

- CCJ 3932 ST: Criminal Justice
- CCJ 4283 Philosophy of Law & Justice
- CCJ 4604 Crime & Mental Illness
- CCJ 4662 Minorities & Crime
- CJC 3410 Offender Treatment
- CCJ 4663 Women & Crime
- CCJ 4664 White Collar Crime
- CCJ 4681 Family Violence
- CJE 4144 Security & Society
- CCJ 4905 Directed Independent Study
- CCJ 4931 Controversial Legal Issues
- CCJ 4935 ST: Criminal Justice Administration
- CCJ 4938 ST: Criminology
- CJL 4315 Criminal Trials Seminar
- CCJ 4641 Organized Crime
- CJE 3281 Women in the Legal System

- CJE 4211 Hate Crimes
- CJC 4510 Punishment & Society
- CJE 3232 Drugs & Crime
- CJE 4270 Child Abuse
- CJL 4111 Criminal Law & Procedures II
- SYP 3570 Deviance & Social Control
- CCJ 3930 Criminal Justice Junior Seminar

Internships (6 credits)

Non-service Internship

Internship requires completion of all the following major requirements with a grade of C or above: CCJ 3700, CCJ 3023, CCJ 3014, CJL 4310, CJL 4510, CJE 4017, CJJ 3010 and CJC 4015.

Note: In-service students need departmental approval to waive the internship.

CCJ4939 Pre-Intern in Criminal Justice (3 Credits)

CCJ4940 Internship In Criminal Justice (3 Credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the

two-course sequences is typically offered in the spring.

- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (3 credits)

ELECTIVES 3 HRS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: English

Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

ENC1101 (GW) Audience and Purpose (3 Credits)

- Acceptable substitute: ENCXXXX

ENC1102 (GW) The Informed Writer (3 Credits)

- Acceptable substitute: ENCXXXX

Core Requirements (12 credits)

CHOOSE 1 Survey I (3 credits)

- AML 2010 American Literature I (3 credits)
- ENL 2012 British Literature I (3 credits)
- LIT 2110 World Literature I (3 credits)

CHOOSE_ 1 Survey II (3credits)

- AML 2020 American Literature II (3 credits)
- ENL 2022 British Literature II (3 credits)
- LIT 2120 World Literature II (3 credits)

LIT3213 Critical Reading/Writing I (3 Credits)

LIT3214 Critical Reading/Writing II (3 Credits)

Intermediate (9 credits)

CHOOSE 1 3000 LEVEL COURSE IN:

Communications, Performance, or Production: Creative Writing, Advanced Writing, Film, New Media, or Theater/Drama (3 credits 3000 level)

- Course Options: CRW, DIG, ENC, LIN, TPP, or FIL3363

CHOOSE_ 2 3000 LEVEL COURSES IN:

Reading, Contexts, Authors, and Methods: Historical, Literacy, or Cultural Studies (6 credits 3000 level):

- COURSE OPTIONS: AML, ENG, ENL, or FIL (excluding FIL3363)

Advanced (15 credits)

15 Credit Hours at the 4000-level

CHOOSE 3 4000 level courses in:

Advanced Studies in Authors, Cultures, Literary Theories or Topics (9 credits 4000 level)

- Course Options: AML, CLT, ENG, ENL, FIL (excluding FIL4379), LIT

CHOOSE_ 1 4000 LEVEL COURSE IN:

Communications, Performance, or Production: Creative Writing, Advanced Writing, Film, New Media, or Theater/Drama (3 credits 4000-level)

- COURSE OPTIONS: CRW, DIG, ENC, TPP, or FIL4379

REQUIRED Capstone

- Capstone Workshop, Internship, or another designated capstone experience. Students build on knowledge gained in previous courses, creating a culminating project or participating in a culminating experience that illustrates their creative or analytical skills. Qualifying study abroad and/or internships could be created as a capstone experience. Other courses that qualify for capstone include: independent studies, LIT4934, CRW4924, ENG4004, and FIL4379. While these courses may be taken multiple times for credit, they will only count towards the required capstone credit when taken within 30 credits of graduation. (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 HRS 3000/4000 FREE ELECTIVES

This degree requires a minimum of 120 total hours with

48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Political Science
Concentration: American Politics
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 Intro to American Government (3 Credits)

SELECT 1 INTRO POLI SCIENCE COURSE

Any 2 introductory political science courses with POS, CPO, or INR prefixes can be used

Core Requirements (15 credits)

Requires grades of C or above.

POS3733 Research Design for Poli Sci (3 Credits)

POS3734 Research Analysis for Poli Sci (3 Credits)

POT3003 Political Thought and Action (3 Credits)

PAD4003 Public Administration (3 Credits)

SELECT 1 COURSE (3000/4000 LEVEL):

- POS 3413 American Presidency (3 credits)
- POS 3424 Congress & the Legislative Process (3 credits)
- POS 3606 The U.S. Supreme Court (3 credits)

Major Electives (15 credits)

Select courses that have not been used in above areas.

SELECT 5 COURSES FROM BELOW:

- INR 3084 Terrorism Today (3 credits)
- INR 4334 American Defense in the Age of Mass Destruction (3 credits)
- POS 3114 Issues in State & Local Government (3 credits)
- POS 3142 Politics & Policy in Urban Government (3 credits)
- POS 3235 Government & Mass Media (3 credits)
- POS 3413 The American Presidency (3 credits)

- POS 3424 Congress & the Legislative Process (3 credits)
- POS 3444 Parties, Campaigns & Elections (3 credits)
- POS 3606 The U.S. Supreme Court (3 credits)
- POS 3679 Mock Trial (3 credits)
- POS 3691 The American Legal System (3 credits)
- POS 3931 ST: Politics (3 credits)
- POS 3653 Legal Research and Analysis (3 credits)
- POS 4033 Controversial Political Issues (3 credits)
- POS 4173 Southern Politics (3 credits)
- POS 4463 Interest Groups & American Democracy (3 credits)
- POS 4608 Constitutional Law I: Powers & Constraints (3 credits)
- POS 4624 Constitutional Law II: Civil Rights & Liberties (3 credits)
- POS 4750 Survey Research (3 credits)
- POS 4905 Directed Individual Study (3 credits)
- POS 4932 ST: Politics & Public Administration (3 credits)
- POS 4945 Internship/Field Experience (1-6 credits)
- POT 3075 American Politics & Popular Culture (3 credits)
- PUP 3053 American Political Economy (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the

two-course sequences is typically offered in the spring.

- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Fine Arts

Concentration: Ceramics

Degree: Bachelor of Fine Arts

Prerequisites (24 credits)

Requires grades of C or above.

Note: Students should continually take art history courses with other art courses to properly prepare for the major.

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

ART1201C Two-Dimensional Design (3 Credits)

Acceptable substitute: ART XXXX 2D

ART2203C Three-Dimensional Design (3 Credits)

Acceptable substitute: ART X202, ART XXXX Design II,
3D

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

- ART (1000/2000)

Major Requirements (39 credits)

Prerequisite policy: Courses must be taken in prerequisite order.

Electronic approval must be obtained for courses requiring prerequisites each semester. Please check the catalog course description section for prerequisites required for each course prior to registering. Prerequisites are strictly enforced by the department and registrar.

First day attendance rule: Any student who misses the first day without advanced notice to the department chairperson will be administratively withdrawn from that course.

Grades of C or above required in all major courses.

PGY2401C Introduction to Photography (3 Credits)

ART2605C Basic Computer Images (3 Credits)

ART2500C Painting I (3 Credits)

Prereq: ART 1300C and ART 2301C

ART2330C Figure Drawing I (3 Credits)

Prereq: ART 1300C & ART 2301C

ARH3453 Post War Art: 1940-1980 (3 Credits)

SELECT 2 ART HISTORY COURSES (6 cr)

- ARH (3000/4000)

ART3786C Ceramics (3 Credits)

ART3765C Intermediate Ceramics (3 Credits)

ART4768C Advanced Ceramics (3 Credits)

ART3707C Sculpture I (3 Credits)

Prereq: ART2203C

ART4929C Senior Project (3 Credits)

ART4965C Fine Arts Portfolio (3 Credits)

Major Electives (15 credits)

Please refer to the course description for repeatability information.

SELECT 5 CERAMIC ELECTIVES FROM:

- ART 3786C Ceramics
- ART 3765C Intermediate Ceramics
- ART 4768C Advanced Ceramics
- ART 4788C Ceramic Aesthetic

Free Electives (6 credits)

SELECT 6 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required

prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Political Science
Concentration: General Political Science
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 Intro to American Government (3 Credits)

SELECT 1 INTRO POLI SCIENCE COURSE

Any 2 introductory political science courses with POS, CPO, or INR prefixes can be used

Core Requirements (15 credits)

Requires grades of C or above.

POS3733 Research Design for Poli Sci (3 Credits)

POS3734 Research Analysis for Poli Sci (3 Credits)

POT3003 Political Thought and Action (3 Credits)

PAD4003 Public Administration (3 Credits)

SELECT 1 COURSE (3000/4000 LEVEL):

- POS 3413 American Presidency (3 credits)
- POS 3424 Congress & the Legislative Process (3 credits)
- POS 3606 The U.S. Supreme Court (3 credits)
- CPO 4014 Comparative Politics: Frameworks for Analysis (3 credits)
- INR 4603 International Relations: Frameworks for Analysis (3 credits)
- INR 4703 International Political Economy (3 credits)

Major Electives (15 credits)

SELECT any 5

3000/4000 level political science courses with CPO, INR, PAD, POS, POT, or PUP prefixes that have not been used in above areas.

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of

foreign culture courses instead of 8 hours of college level foreign language.

- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Fine Arts

Concentration: Painting, Drawing, Printmaking

Degree: Bachelor of Fine Arts

Prerequisites (24 credits)

Requires grades of C or above.

Note: Students should continually take art history courses with other art courses to properly prepare for the major.

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

ART1201C Two-Dimensional Design (3 Credits)

ART2203C Three-Dimensional Design (3 Credits)

Acceptable substitute: ART X202

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

1000/2000 Level

- ART
- Art Department Strongly Recommends:
ART 2400C Intro to Printmaking ART 1205C Color Theory

Major Requirements (39 credits)

Prerequisite policy: Courses must be taken in prerequisite order. Please check the catalog course descriptions for prerequisites required for each course prior to registering. If a course is a prerequisite for another, they may not be taken at the same time. Prerequisites are strictly enforced by the faculty and registrar.

First day attendance rule: Any student who misses the first day without advanced notice to the department chairperson will be administratively withdrawn from that course.

ART2330C Figure Drawing I (3 Credits)

Prereq: ART 1300C & ART 2301C

ART2500C Painting I (3 Credits)

Prereq: one drawing course

ART3420C Lithography Printmaking I (3 Credits)

Prereq: ART 2400C

ART3442C Intaglio Printmaking I (3 Credits)

Prereq: ART 2400C

ART3530C Painting II (3 Credits)

Prereq: ART2500C Painting I

ART3332C Figure Drawing II (3 Credits)

Prereq: ART 3504C

ART3504C Painting III (3 Credits)

Prereq: ART 3530C Painting II

ART3560C Figurative Painting (3 Credits)

Prereq: ART 2500C & ART 3332C

ART4805C Painting and Drawing Research (3 Credits)

Prereq: ART 3332C & ART 3504C

ART4965C Fine Arts Portfolio (3 Credits)

SELECT 3 ARH COURSES (3000/4000)

- ARH
- Art Department strongly recommends: ARH 3453 Post War Art 1940-1980 or ARH 3475 Contemporary Art 1980 to Today

Major Electives (18 credits)

SELECT 6 FROM: (3000/4000)

- ART

Free Electives (3 credits)

SELECT 3 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Political Science
Concentration: Int'l Rel/Comparative Politics
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 Intro to American Government (3 Credits)

SELECT 1 INTRO POLI SCIENCE COURSE

Any 2 introductory political science courses with POS, CPO, or INR prefixes can be used

Core Requirements (15 credits)

Requires grades of C or above.

POS3733 Research Design for Poli Sci (3 Credits)

POS3734 Research Analysis for Poli Sci (3 Credits)

POT3003 Political Thought and Action (3 Credits)

SELECT 2 COURSES (3000/4000 LEVEL):

- CPO 4014 Comparative Politics: Frameworks for Analysis (3 credits)
- INR 4603 International Relations: Frameworks for Analysis (3 credits)
- INR 4703 International Political Economy (3 credits)

Major Electives (15 credits)

Select courses that have not been used in above areas.

SELECT 5 FROM THE FOLLOWING:

- CPO 3123 (FC) Politics & Society in Britain/Ireland (3 credits)
- CPO 3151 (FC) Politics & Society in France (3 credits)
- CPO 3402 (FC) Politics of Pakistan and Afghanistan (3 credits)
- CPO 3643 (FC) Politics & Society in Russia (3 credits)
- CPO 3213 (FC) Politics & Society in Sub-Saharan Africa (3 credits)
- CPO 4014 Comparative Politics: Frameworks for Analysis (3 credits)

- credits)
- CPO 4034 Politics of Developing Countries (3 credits)
- CPO 4930 ST: Comparative Politics (3 credits)
- INR 3016 Global Issues in Contemporary Politics (3 credits)
- INR 3084 Terrorism Today (3 credits)
- INR 3153 American Foreign Policy in the Middle East (3 credits)
- INR 3443 International Law & Organization (3 credits)
- INR 4244 International Politics of Latin America (3 credits)
- INR 4334 American Defense in the Age of Mass Destruction(3 credits)
- INR 4603 International Relations: Frameworks for Analysis (3 credits)
- INR 4703 International Political Economy (3 credits)
- PAD 4832 Issues in Comparative Public Administration (3 credits)
- POS 3931 ST: Political Science (3 credits)
- INR 3102 Real World Policy (3 credits)
- POS 4033 Controversial Political Issues (3 credits)
- POS 4905 Directed Individual Study (3 credits)
- POS 4932 ST: Political Science/Public Administration (3 credits)
- POS 4945 Internship/Field Experience (1-6 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese,

German, Latin, or American Sign Language.

- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Fine Arts
Concentration: Photography
Degree: Bachelor of Fine Arts

Prerequisites (24 credits)

Requires grades of C or above.

Note: Students should continually take art history courses with other art courses to properly prepare for the major.

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

ART1201C Two-Dimensional Design (3 Credits)

Acceptable substitute: ART XXXX 2D

ART2203C Three-Dimensional Design (3 Credits)

Acceptable substitute: ART X202, ART XXXX Design II,
3D

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

- ART (1000/2000)

Major Requirements (42 credits)

Prerequisites policy: Courses must be taken in requisite order. Check the catalog course descriptions for required prerequisites before registering. Prerequisites are required and are enforced by the faculty and registrar.

First day attendance rule: Any student who misses the first day without advanced notice to the department chairperson will be administratively withdrawn from that course.

All major requirements and major electives must be completed with grades of C or above.

PGY2401C Introduction to Photography (3 Credits)

ARH4710 History of Photography (3 Credits)

PGY3276C Professional Practices (3 Credits)

Prereq: PGY3820 Introduction to Digital Imaging (3 credits)

PGY3410C Intermediate Photography (3 Credits)

Prereq: PGY 2401C Introduction to Photography (3 credits)

PGY3820C Intro to Digital Imaging (3 Credits)

Prereq: PGY 2401C Introduction to Photography (3 credits)

PGY3824C Color Photography (3 Credits)

Prereq: PGY2401C Introduction to Photography (3 credits), PGY3820C Introduction to Digital Imaging (3 credits)

PGY4944C Photo Practicum (3 Credits)

Prereqs: PGY3410C Intermediate Photography (3 credits), PGY 3820C Introduction to Digital Imaging (3 credits) (repeated four times under revolving content for 12 total credits)

PGY4205C Studio Fundamentals (3 Credits)

Prereqs: PGY2401C Introduction to Photography (3 credits) , PGY3410C Intermediate Photography (3 credits), PGY3850C Color Photography (3 credits)

PGY4443C Alternative Photo Processes (3 Credits)

Prereqs: PGY 3410C Intermediate Photography (3 credits), PGY 3820C Introduction to Digital Imaging (3 credits)

PGY4218C Advanced Studio Practice (3 Credits)

prereq: PGY4205C Studio Fundamentals (3 credits)

PGY4476C Photography Portfolio (3 Credits)

prereqs: PGY3276C Professional Practices (3 credits) or

instructor permission for non-photo BFA majors

Major Electives (12 credits)

SELECT 2 (3000/4000 level) ARH COURSES

SELECT 2 FROM THE FOLLOWING:

- ART 3707C Sculpture I
- ART 3786C Ceramics
- ART 2400C Introduction to Printmaking
- ART 3433 Screenprint I
- ART 2605C Basic Computer Images

Free Electives (6 credits)

SELECT 6 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Political Science
Concentration: Public Admin/Public Policy
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 Intro to American Government (3 Credits)

SELECT 1 INTRO POLI SCIENCE COURSE

Any 2 introductory political science courses with POS, CPO, or INR prefixes can be used

Core Requirements (15 credits)

Requires grades of C or above.

POS3733 Research Design for Poli Sci (3 Credits)

POS3734 Research Analysis for Poli Sci (3 Credits)

POT3003 Political Thought and Action (3 Credits)

PAD4003 Public Administration (3 Credits)

PUP4003 The Policy-Making Process (3 Credits)

Major Electives (15 credits)

A GRADE OF C OR HIGHER IS REQUIRED IN ALL COURSES

SELECT 5 COURSES FROM BELOW:

- PAD 4027 Issues in Public Management (3 credits)
- PAD 4144 Nonprofit Management (3 credits)
- PAD 4832 Issues in Comparative Public Administration (3 credits)
- POS 3114 Issues in State & Local Government (3 credits)
- POS 3142 Politics & Policy in Urban Government (3 credits)
- POS 3424 Congress & the Legislative Process (3 credits)
- POS 3606 The U.S. Supreme Court (3 credits)
- POS 4167 Urban Policy & Planning (3 credits)
- POS 4905 Directed Individual Study (3 credits)
- POS 4945 Internship/Field Experience (1-6 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of

foreign culture courses instead of 8 hours of college level foreign language.

- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Fine Arts

Concentration: Sculpture

Degree: Bachelor of Fine Arts

Prerequisites (24 credits)

Requires grades of C or above.

Note: Students should continually take art history courses with other art courses to properly prepare for the major.

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

ART1201C Two-Dimensional Design (3 Credits)

Acceptable substitute: ART XXXX 2D

ART2203C Three-Dimensional Design (3 Credits)

Acceptable substitute: ART X202, ART XXXX Design II,
3D

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

- ART (1000/2000)

Major Requirements (39 credits)

Prerequisite policy: Courses must be taken in prerequisite order.

Electronic approval must be obtained for courses requiring prerequisites each semester. Please check the catalog course description section for prerequisites required for each course prior to registering. Prerequisites are strictly enforced by the department and registrar.

First day attendance rule: Any student who misses the first day without advanced notice to the department chairperson will be administratively withdrawn from that course.

Grades of C or above required in all major courses.

PGY2401C Introduction to Photography (3 Credits)

ART2605C Basic Computer Images (3 Credits)

ART2500C Painting I (3 Credits)

Prereq: One drawing course

ART2330C Figure Drawing I (3 Credits)

Prereq: ART 1300C & ART 2301C

ARH4800 Aesthetics of Art (3 Credits)

SELECT 2 ART HIST COURSES (3000/4000)

- ARH

ART3786C Ceramics (3 Credits)

ART3707C Sculpture I (3 Credits)

ART3709C Sculpture II (3 Credits)

ART4710C Sculpture III (3 Credits)

ART4929C Senior Project (3 Credits)

ART4965C Fine Arts Portfolio (3 Credits)

Major Electives (15 credits)

Please refer to the course description for repeatability information.

SELECT 5 SCULPTURE ELECTIVES FROM:

- ART 4736C Enlivened Spaces
- ART 3714C Sculpture: Casting
- ART 4710C Sculpture III

Free Electives (6 credits)

SELECT 9 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed)

to graduate).

Major: Political Science

Concentration: Public Law

Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 Intro to American Government (3 Credits)

SELECT 1 INTRO POLI SCIENCE COURSE

Any 2 introductory political science courses with POS, CPO, or INR prefixes can be used

Core Requirements (15 credits)

Requires grades of C or above.

POS3733 Research Design for Poli Sci (3 Credits)

POS3734 Research Analysis for Poli Sci (3 Credits)

POT3003 Political Thought and Action (3 Credits)

PAD4003 Public Administration (3 Credits)

POS3606 The U.S. Supreme Court (3 Credits)

Major Electives (15 credits)

SELECT 5 COURSES FROM BELOW:

- INR 3443 International Law & Organization (3 credits)
- POS 3615 Judicial Politics (3 credits)
- POS 3641 Administrative Law (3 credits)
- POS 3642 Election Law (3 credits)
- POS 3679 Mock Trial (3 credits)
- POS 3691 American Legal System (3 credits)
- POS 3931 ST: Politics (3 credits)
- POS 3653 Legal Research and Analysis (3 credits)
- POS 3654 Legal Ethics, Standards, and Values (3 credits)
- POS 3683 Law and Cinema (3 credits)
- POS 4608 Constitutional Law I: Power & Restraint (3 credits)
- POS 4624 Constitutional Law II: Civil Rights & Liberties (3 credits)

- POS 4905 Directed Individual Study (3 credits)
- POS 4932 ST: Politics & Public Administration (3 credits)
- POS 4945 Internship/Field Experience (1-6 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: French and Francophone Studies

Degree: Bachelor of Arts

Prerequisites

Students must earn a grade of C or better in all prerequisite and major courses.

Note: Students may be placed into higher courses due to placement exam result or departmental recommendation.

FRE1120 Beginning French I (4 Credits)

FRE1121 Beginning French II (4 Credits)

FRE2240 Intermediate French I (3 Credits)

FRE2241 Intermediate French II (3 Credits)

Major Requirements (9 credits)

FRE3283 Fren Listening/Speaking Skills (3 Credits)

FRE3300 French Grammar and Composition (3 Credits)

FRE3350 Readings Fren Lit and Culture (3 Credits)

Major Electives (21 credits)

Students are encouraged to take more than the minimum 9 semester hours of courses taught in French.

Of the 12 hours allowed in English, no more than 6 hours may be in courses focusing on Europe so that students will be exposed to the cultural and ethnic diversity of the Francophone world.

SELECT 3 FROM THE FOLLOWING:(9cr)

(Taught in French)

- FOL 3930 ST: Foreign Languages (French only) (3 credits)
- FOL 3953 Advanced Foreign Language Study (3 credits)
- FRE 3430 French for the Professions (3 credits)
- FRE 3502 French and Francophone Cultures (3 credits)
- FRE 4501 France Today (3 credits)
- FRE 4402 Advanced French Conversation (3 credits)
- FRE 4905 Directed Independent Study in French (3 credits)
- FRE 4930 Special Topics in French Culture (3 credits)

- FRT 3800 French Translation Techniques (3 credits)
- FRW 4930 ST: French Literature (may be repeated) (3 credits)

SELECT 4 FROM THE FOLLOWING:(12cr)

(Focusing on France and the Francophone world, taught in English)

- FIL 4822 French Cinema (3 credits)
- FOT 3510 Love in the Middle Ages (3 credits)
- FOT 3931 Studies in Foreign Culture (French/Francophone culture only) (3 credits)
- FRT 3550 Faces of France (3 credits)
- EUH 3451 France Since 1789 (3 credits)
- EUH 4294 Seminar-Modern Europe (topic on France only) (3 credits)
- CPO 3151 Politics & Society in France (3 credits)
Focusing on Europe, taught in English) Select no more than 2 courses (6 credits)from the following:
 - EUH 3120 Medieval Europe (3 credits)
 - EUH 3142 Renaissance-Reformation (3 credits)
 - EUH 3202 Enlightenment & Power: Europe 1660-1789 (3 credits)
 - EUH 3205 19th Century Europe (3 credits)
 - EUH 3206 20th Century Europe (3 credits)
 - EUH 3932 Selected Topics: European History (topic on France only) (3 credits)
 - ARH 3410 Modern European Art I (3 credits)
 - ARH 3434 Modern European Art II (3 credits)
 - PHP 3786 Existentialism (3 credits)
 - ECS 3303 Current Issues in the Economics of the European Union (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (15 credits)

SELECT 15 HRS AT THE 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may

be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate). upper-division (3000/4000) level hours.

Major: Psychology
Concentration: Child Psychology
Degree: Bachelor of Arts

Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 Introduction to Psychology (3 Credits)

SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

BIOLOGY REQUIREMENT

- BSC1010C or BSC1005C
Acceptable substitutes: BSCX20X or ZOOX010

STATS REQUIREMENT

Select One Statistics Course

- STA

Foundation (5 credits)

All Bachelor of Arts students must have completed PSY 3214 and PSY 3213L with grades of C or better.

PSY3021 Prof Opportunities in PSYC (1 Credit)

Pre-Requisite: PSY2012- Introduction to Psychology

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology (3 credits)
- PSY 3213L Research Methods Lab (1 credit)

Experimental Courses (4 credits)

PSY3213-Research Methods & PSY3213L-Research Methods Lab, must be completed with a grade of C or better before attempting the experimental courses. Effective Fall 2015, the additional pre-requisites listed below will be required. Please see

your academic advisor for more information.

SELECT 1 EXPERIMENTAL COURSE FROM:

- EAB 3013C Experimental Analysis of Behavior/Lab
 - Pre-Requisite: EXP3412- Learning Theory
- EXP 3680C Experimental Cognitive Psychology
 - Pre-Requisite: EXP3604- Cognitive Psychology
- EXP 3703C Computer Applications in Psych Research
- EXP 3461C Human Learning and Performance
 - Pre-Requisite: EXP3412-Learning Theory
- PSY 4302C Psychological Testing
 - Pre-Requisite: one of the following: CLP4143-Abnormal Psychology, DEP3054-Lifespan Developmental Psychology or PPE4003-Theories of Personality
- SOP 3214C Experimental Social Psychology
 - Pre-Requisite: SOP3004-Social Psychology
- EXP 4252C Human Factors and Ergonomics
 - Pre-Requisite: EXP3604-Cognitive Psychology

Major Requirements (15 credits)

Requires grades of C or higher. Effective Fall 2015, the pre-requisites listed below will be required. Please see your academic advisor for more information.

CLP4143 Psychology of Abnormal Behav (3 Credits)

Pre-Requisite: PSY2012- Introduction to Psychology

DEP3054 Lifespan Developmental Psych (3 Credits)

Pre-Requisite: PSY2012- Introduction to Psychology

SELECT 3 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3412 Learning Theory (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

- EXP 3104 Human Sensory Perception (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PPE 4003 Theories of Personality (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PSB 3002 Behavioral Neuroscience (3 credits)
 - Pre-Requisite: Human Anatomy & Physiology, Zoology, or General Biology with laboratory.
- PSY 4604 History of Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology and either Junior or Senior status or permission of instructor.
- SOP 3004 Social Psychology (3 credits)

Major Electives (9 credits)

A maximum of 3 hours of honors research may count for both honors in the major and the major electives area. A total of 3 hours in any combination of Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. Additional hours of these courses may be taken and used in honors in the major and/or as free elective credits. See your advisor for details.

SELECT 1 OF THE FOLLOWING:

- DEP 4104 Advanced Child Psychology (3 credits)
 - Pre-Requisite: DEP3054- Lifespan Developmental Psychology
- DEP 4304 Advanced Adolescent Psychology (3 credits)
 - Pre-Requisite: DEP3054- Lifespan Developmental Psychology

SELECT 1 FROM THE FOLLOWING:

- CLP 4134 Childhood Psychopathology (3 credits)
 - Pre-Requisite: CLP4143- Abnormal Psychology
- DEP 4060 Applied Developmental Psychology (3 credits)
 - Pre-Requisite: DEP3054- Lifespan Developmental Psychology

SELECT 3 CREDITS FROM THE FOLLOWING:

(Focus of research or practicum must be child or

adolescent psychology)

- PSY 3911 Supervised Research
- PSY 4906 Directed Individual Study
- PSY 4904 Honors Research
- PSY 4945 Practicum in Applied Psychology

Minor Required

A minor is required for this major.*

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog.

Minors are generally completed during the last 60 hrs of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from the minor requirement).

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.

- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (4 credits)

SELECT 4 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: Graphic Design & Digital Media

Degree: Bachelor of Fine Arts

Prerequisites (21 credits)

Requires grades of C or above.

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

Acceptable substitutes: ARTX330, X205, X310, X305

ART1201C Two-Dimensional Design (3 Credits)

Acceptable substitute: ART XXXX 2D

ART1600C Digital Imaging Methods (3 Credits)

ARH2050 Art History Survey I (3 Credits)

GRA2190C Graphic Design: Principles (3 Credits)

GRA2208C Type Visualization (3 Credits)

Core Requirements (12 credits)

Must be completed with a grade of C or higher

ARH2051 Art History Survey II (3 Credits)

GRA2160C GD: Process and Methods (3 Credits)

GRA2110C GD: Creativity and Critique (3 Credits)

GRA2108 Graphic Design History (3 Credits)

Major Requirements (24 credits)

Grades of C or above required in all major requirements and major electives.

Students may not enroll in 3000/4000 level major requirements or major electives until after they have successfully completed the portfolio review and been selected for the major.

GRA3523C UI and Interaction Design (3 Credits)

GRA3155C Graphic Symbols and Semiotics (3 Credits)

GRA3192C Type Communication (3 Credits)

GRA3512C Visual Identity (3 Credits)

Prereqs: GRA 3155C

GRA3139C Time-Based Media (3 Credits)

GRA4886C Visual Systems (3 Credits)

Prereqs: GRA 3155C and GRA 3192

GRA4423 GDDM Professional Practices (3 Credits)

GRA4189C Graphic Design Portfolio (3 Credits)

Major Electives (18 credits)

Must be completed with a grade of C or higher.

SELECT 4 GRA 3000/4000 level courses

SELECT 2 COURSES (3000/4000) FROM:

- ART ARH PGY

Free Electives (6 credits)

SELECT 6 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Psychology
Concentration: Child Psychology
Degree: Bachelor of Science

Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 Introduction to Psychology (3 Credits)

SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

BIOLOGY REQUIREMENT

- BSC1010C or BSC1005C
Acceptable substitutes: BSCX20X or ZOOX010

STATS REQUIREMENT

Select One Statistics Course

- STA

Foundation (5 credits)

All Bachelor of Science students must complete PSY 3213 and PSY 3213L with grades of B or better.

PSY3021 Prof Opportunities in PSYC (1 Credit)

Pre-requisite: PSY2012- Introduction to psychology

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology (3 credits)
- PSY 3213L Research Methods Lab (1 credit)

Experimental Courses (12 credits)

PSY3213-Research Methods & PSY3213L- Research Methods lab, must be completed with a grade of B or better before attempting the experimental courses. Effective Fall 2015, the additional pre-requisites listed below will be required. Please see

your academic advisor for more information.

SELECT 3 FROM THE FOLLOWING:

- PSY4302C Psychological Testing (4 credits)
 - Pre-Requisite: one of the following: CLP4143- Abnormal Psychology, DEP3054-Lifespan Developmental Psychology or PPE4003-Theories of Personality
- EXP3703C Computer Applications in Psych Research (4 credits)
- EXP 3461C Human Learning and Performance (4 credits)
 - Pre-Requisite: EXP3412-Learning Theory
- EXP 3680C Experimental Cognitive Psychology (4 credits)
 - Pre-Requisite: EXP3604-Cognitive Psychology
- SOP 3214C Experimental Social Psychology (4 credits)
 - Pre-Requisite: SOP3004-Social Psychology
- EAB 3013C Experimental Analysis of Behavior/Lab (4 credits)
 - Pre-Requisite: EXP3412-Learning Theory
- EXP 4252C Human Factors and Ergonomics (4 credits)
 - Pre-Requisite: EXP3604-Cognitive Psychology

Major Requirements (18 credits)

Requires grades of C or higher. Effective Fall 2015, the additional pre-requisites listed below will be required. Please see your academic advisor for more information.

CLP4143 Psychology of Abnormal Behavr (3 Credits)

Pre-Requisite: PSY2012- Introduction to Psychology

DEP3054 Lifespan Developmental Psych (3 Credits)

Pre-Requisite: PSY2012- Introduction to Psychology

SELECT A 1 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3104 Human Sensory Perception (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

PSB 3002 Behavioral Neuroscience (3 credits)

- Pre-Requisite: Human Anatomy & Physiology, Zoology or General Biology with laboratory

SELECT B 1 FROM THE FOLLOWING:

- EXP 3412 Learning Theory (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

SELECT C 1 FROM THE FOLLOWING:

- SOP 3004 Social Psychology (3 credits)
- PSY 4604 History of Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology and either Junior or Senior status or permission of instructor.
- PPE 4003 Theories of Personality (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

SELECT D 1 FROM THE FOLLOWING

- CBH 3004 Comparative Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3412 Learning Theory (3 credits)
- EXP 3104 Human Sensory Perception (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PPE 4003 Theories of Personality (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PSY 4604 History of Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology and either Junior or Senior status or permission of instructor.
- SOP 3004 Social Psychology (3 credits)
- PSB 3002 Behavioral Neuroscience (3 credits)
 - Pre-Requisite: Human Anatomy & Physiology, Zoology or General Biology with Laboratory.
- EXP 3604 Cognitive Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

Major Electives (12 credits)

A maximum of 3 hours of honors research may count for both honors in the major and the major electives area. A total of 3 hours in any combination of Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. Additional hours of these courses may be taken and used in honors in the major and/or as free elective credits. See your Advisor for details.

SELECT A 1 FROM THE FOLLOWING:

- DEP 4104 Advanced Child Psychology (3 credits)
 - Pre-Requisite: DEP3054- Lifespan Developmental Psychology
- DEP 4304 Advanced Adolescent Psychology (3 credits)
 - Pre-Requisite: DEP3054- Lifespan Developmental Psychology

SELECT B 1 FROM THE FOLLOWING:

- CLP 4134 Childhood Psychopathology (3 credits)
 - Pre-Requisite: CLP4143- Abnormal Psychology
- DEP 4060 Applied Developmental Psychology (3 credits)
 - Pre-Requisite: DEP3054- Lifespan Developmental Psychology

SELECT C 3 HRS OF THE FOLLOWING:

(Focus of research or practicum must be child or adolescent psychology)

- PSY 3911 Supervised Research
- PSY 4906 Directed Individual Study
- PSY 4904 Honors Research
- PSY 4945 Practicum in Applied Psychology

SELECT D 3 HRS OF THE FOLLOWING

(3000/4000):

- CBH, CLP, DEP, EAB, EXP, INP, PCO, PSB, PPE, PSY, SOP

Free Electives (13 credits)

SELECT 13 HRS FREE ELECT 3000/4000

This degree requires a minimum of 120 total hours with

48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: History

Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or higher.

SELECT 2 FROM THE FOLLOWING

(may be 1000, 2000, or 3000-Level):

- AFH AMH ASH EUH HIS LAH WOH (6 credits)

Major Requirements (18 credits)

Required grades of C or higher. Student following the Honors in the Major and/or the Accelerated BA-MA Pathway must have a GPA of 3.33 in the major or A- or higher in HIS3051 or A- or higher in one 4000-level seminar.

SELECT 1 course from each

of the following: U.S., European, and Global Categories

- U.S.: AMH 3000 or 4000-Level (3 credits)
- European: EUH 3000 or 4000-Level (3 credits)
- Global: AFH/ASH/ASN/LAH 3000 or 4000-Level (3 credits)

HIS3051 (GW) Craft Of The Historian (3 Credits)

HIS3051 is ONLY offered in the fall and spring semesters

SELECT 2 Designated History Seminars

4000-level (6 credits)

HIS 3051 must be completed with at least a "C" before taking 4000-level courses.

Internships and independent study courses do not satisfy 4000-level requirement.

Important note: 4000-level seminar courses are offered only fall and spring semesters.

- AFH AMH EUH ASN ASH HIS LAH

Major Electives (12 credits)

Requires grades of C or higher

SELECT 4 from 3000 or 4000-level

(12 credits)

- AFH AMH ASH ASN EUH HIS LAH WOH

Students earning Honors in the Major and/or the Accelerated BA to MA pathway must:

- Take 9 credits 3000/4000 level major electives along with 3 credits of 5000/6000 level Graduate History electives (not Readings Seminar)
- Research Project Presentation: Students following this option will also publish or present a history project in a public academic forum during their graduating term, either fall or spring.

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take

a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.

- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (7 credits)

SELECT 7 CREDITS FREE ELECTIVES

3000 OR 4000-level

This degree requires a minimum of 120 total hours with 48 upper (3000 or 4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Psychology

Degree: Bachelor of Arts

Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 Introduction to Psychology (3 Credits)

SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

BIOLOGY REQUIREMENT

- BSC1010C or BSC1005C
Acceptable substitutes: BSCX20X or ZOOX010

STATS REQUIREMENT

Select One Statistics Course

- STA

Foundation (5 credits)

All Bachelor of Arts students must have completed PSY 3214 and PSY 3213L with grades of C or better.

PSY3021 Prof Opportunities in PSYC (1 Credit)

Pre-Requisite: PSY2012- Introduction to Psychology

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology (3 credits)
- PSY 3213L Research Methods Lab (1 credit)

Experimental Courses (4 credits)

PSY3213-Research Methods & PSY3213L-Research Methods Lab, must be completed with a grade of C or better before attempting the experimental courses. Effective Fall 2015, the additional pre-requisites listed below will be required. Please see your academic advisor for more information.

SELECT 1 EXPERIMENTAL COURSE FROM:

- EAB 3013C Experimental Analysis of Behavior/Lab
 - Pre-Requisite: EXP3412- Learning Theory
- EXP 3680C Experimental Cognitive Psychology
 - Pre-Requisite: EXP3604- Cognitive Psychology
- EXP 3703C Computer Applications in Psych Research
- EXP 3461C Human Learning and Performance
 - Pre-Requisite: EXP3412-Learning Theory
- PSY 4302C Psychological Testing
 - Pre-Requisite: one of the following: CLP4143-Abnormal Psychology, DEP3054-Lifespan Developmental Psychology or PPE4003-Theories of Personality
- SOP 3214C Experimental Social Psychology
 - Pre-Requisite: SOP3004-Social Psychology
- EXP 4252C Human Factors and Ergonomics
 - Pre-Requisite: EXP3604-Cognitive Psychology

Major Requirements (15 credits)

SELECT 5 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- CLP 4143 Psychology of Abnormal Behavior (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- DEP 3054 Lifespan Developmental Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3412 Learning Theory (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3104 Human Sensory Perception (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PPE 4003 Theories of Personality (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PSB 3002 Behavioral Neuroscience (3 credits)

- Pre-Requisite: Human Anatomy & Physiology, Zoology, or General Biology with laboratory.
- PSY 4604 History of Psychology (3 credits)
 - Pre-Requisites: PSY2012- Introduction to Psychology and either Junior or Senior status or permission of instructor.
- SOP 3004 Social Psychology (3 credits)

Major Electives (9 credits)

Students will select 9 credits of upper level psychology coursework. Additional hours taken beyond the requirement for the Major Requirements Area may be used.

A maximum of 3 hours of honors research may count for both honors in the major and the major electives area. A total of 3 hours in any combination of Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits.

Additional hours of these courses may be taken and used in honors in the major and/or as free elective credits. See your advisor for details.

SELECT 9 HOURS (3000/4000)

- CBH CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

Minor Required

A minor is required for this major.*

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog.

Minors are generally completed during the last 60 hrs of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from the minor requirement).

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs): All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
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- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (4 credits)

SELECT 4 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: Interdisciplinary Studies

Degree: Bachelor of Arts

Major Requirements (36 credits)

- A minimum GPA of 2.0 is required to be admitted and to graduate with of the Interdisciplinary Major. IDS requires an approved plan be on file.

All major coursework requires a "C" or higher. No more than 12 credits from this major can be used to complete another major or minor. Theme-Based Interdisciplinary Studies (36 credits)

- Students in this major must successfully complete a proposal for entry into the major.

IDS3053 Intro to Interdisciplinary Inq (3 Credits)

SELECT 33 CREDITS

In addition to IDS 3053 Introduction to Interdisciplinary Inquiry, select eleven (33 credits additional upper-division (3000-4000 level) courses, at least five (15 credits) of which must be from the College of Arts and Sciences (COAS). Courses should be significant to the program theme and approved by the program director as part of the proposal process. Students choosing a faculty-curated path in the program are recommended but not required to take IDS3053 Introduction to Interdisciplinary Inquiry (but must still have 36 credits for the major) and should consult the faculty-curated path and their advisor for course selection.

IDS 4890 Interdisciplinary Studies Capstone (0-1 credits)

At the end of their program, students will complete a capstone experience, which should involve one of the following options. All Capstone projects must be approved by the program director. Students completing capstone projects 1 or 2 that involve significant reflective or summative components should take IDS 4890 for 0 credits, to mark the completion of the requirement on their transcript. Students completing capstone projects 1 or 2 without significant reflective/summative components, or students completing capstone project 3, should take IDS 4890 for 1 credit, which will present

them the opportunity to synthesize their interdisciplinary theme and coursework in relation to their learning and goals.

- 1. A faculty-supervised independent research project (3 credits in the appropriate discipline) and Capstones course (0-1 credits);
- 2. A faculty-supervised experiential learning opportunity, including but not limited to study abroad, internship, leadership or other community-based learning opportunity (3 credits) and the Capstone course (0-1 credits); or
- 3. A course relevant to the program theme (3 credits) and the Capstone course (1 credit)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into

which they have placed.

- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major: Psychology

Degree: Bachelor of Science

Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 Introduction to Psychology (3 Credits)

SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

BIOLOGY REQUIREMENT

- BSC1010C or BSC1005C
Acceptable substitutes: BSCX20X or ZOOX010

STATS REQUIREMENT

Select One Statistics Course

- STA

Foundation (5 credits)

All Bachelor of Science students must complete PSY 3213 and PSY 3213L with grades of B or better.

PSY3021 Prof Opportunities in PSYC (1 Credit)

Pre-requisite: PSY2012- Introduction to psychology

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology (3 credits)
- PSY 3213L Research Methods Lab (1 credit)

Experimental Courses (12 credits)

PSY3213-Research Methods & PSY3213L- Research Methods lab, must be completed with a grade of B or better before attempting the experimental courses. Effective Fall 2015, the additional pre-requisites listed below will be required. Please see your academic advisor for more information.

SELECT 3 FROM THE FOLLOWING:

- PSY4302C Psychological Testing (4 credits)
 - Pre-Requisite: one of the following: CLP4143- Abnormal Psychology, DEP3054-Lifespan Developmental Psychology or PPE4003-Theories of Personality
- EXP3703C Computer Applications in Psych Research (4 credits)
- EXP 3461C Human Learning and Performance (4 credits)
 - Pre-Requisite: EXP3412-Learning Theory
- EXP 3680C Experimental Cognitive Psychology (4 credits)
 - Pre-Requisite: EXP3604-Cognitive Psychology
- SOP 3214C Experimental Social Psychology (4 credits)
 - Pre-Requisite: SOP3004-Social Psychology
- EAB 3013C Experimental Analysis of Behavior/Lab (4 credits)
 - Pre-Requisite: EXP3412-Learning Theory
- EXP 4252C Human Factors and Ergonomics (4 credits)
 - Pre-Requisite: EXP3604-Cognitive Psychology

Major Requirements (18 credits)

Requires grades of C or higher.

SELECT A 1 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3104 Human Sensory Perception (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PSB 3002 Behavioral Neuroscience (3 credits)
 - Pre-Requisite: Human Anatomy & Physiology, Zoology, or General Biology with laboratory.

SELECT B 1 FROM THE FOLLOWING:

- EXP 3412 Learning Theory (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

SELECT C 2 FROM THE FOLLOWING:

- SOP 3004 Social Psychology (3 credits)
- PSY 4604 History of Psychology (3 credits)
 - Pre-Requisites: PSY2012- Introduction to Psychology and either Junior or Senior status or permission of instructor.
- PPE 4003 Theories of Personality (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- DEP 3054 Lifespan Developmental Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

SELECT D 2 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- DEP 3054 Lifespan Developmental Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- EXP 3412 Learning Theory (3 credits)
- EXP 3104 Human Sensory Perception (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PPE 4003 Theories of Personality (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- PSY 4604 History of Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology and either Junior or Senior status or permission of instructor.
- CLP 4143 Psychology of Abnormal Behavior (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology
- CLP 4313 Health Psychology (3 credits)
- SOP 3004 Social Psychology (3 credits)
- PSB 3002 Behavioral Neuroscience (3 credits)
 - Pre-Requisite: Human Anatomy & Physiology, Zoology, or General Biology with laboratory.
- EXP 3604 Cognitive Psychology (3 credits)
 - Pre-Requisite: PSY2012- Introduction to Psychology

Major Electives (12 credits)

A total of 10 hours of major electives for this degree counts concurrently for the Masters in Science in Psychological Science degree. These required courses for the MS degree's 2-year program are counted under Major Electives for the accelerated BS/MS in Psychological Sciences.

COMPLETE THESE 10 CREDITS FROM THE FOLLOWING (if accepted into the BS/MS in Psychological Science program, students will take these graduate courses in their last semester of their BS degree, which must be a fall semester:

- PSY 6214 Research Design & Analysis (3 credits)
- PSY 6910 Supervised Research (3 credits)
- DEP 6055 Human Development (3 credits)
- PSY 6937 Colloquium (1 credit)

Students will select 12 credits upper level psychology coursework. Additional hours taken beyond the requirement for the Major Requirements Area may be used.

A maximum of 3 hours of honors research may count for both honors in the major and the major electives area. A total of 3 hours in any combination of Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. Additional hours of these courses may be taken and used in honors in the major and/or as free elective credits. See your Advisor for details.

SELECT 12 HOURS (3000/4000):

- CBH CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

Free Electives (13 credits)

SELECT 13 HRS FREE ELECT 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

48 Upper Level Hours (48 credits)

In order to qualify to graduate with a Bachelor's degree from the College of Arts and Sciences you must earn a minimum of 48 upper level credits out of the total 120 degree applicable required credit hours. Upper level courses are numbered from 3000 - 4999. Dual Degree and Double Majors should consult their Advisor.

48 HOURS 48 upper level hours

Major: International Studies

Degree: Bachelor of Arts

Informational Text

SUGGESTED PATHS

- Students may tailor this degree to their specific interests, designing their own route through the options listed below. Alternatively, students may consult the suggested paths, detailed on the International Studies website, related to a variety of professional directions and academic areas. See www.unf.edu/coas/intlstudies/suggested_paths.aspx.

DOUBLE MAJORS/DUAL DEGREES

- We provide suggested templates for combining this program of study with several related majors, including anthropology, art history, economics, French studies, history, international business, philosophy, political science, religious studies, Spanish, Social Work, and sociology. See www.unf.edu/coas/intlstudies/double_majors_dual_degrees.aspx

POLICY ON DOUBLE COUNTING

- At least 15 credit hours of coursework must be exclusive to this major. Because this major involves a total of 33 credit hours, a student may double-count up to 18 credit hours between this major and other programs of study (majors, minors or graduate-level programs).

HONORS IN THE MAJOR

- International Studies offers students the opportunity to earn Honors in the Major, a distinction that is documented on their transcript and diploma. See www.unf.edu/coas/intlstudies/honors_in_the_major.aspx.

UNDERGRADUATE CERTIFICATE

- Depending on the electives they choose as part of this major, students in International Studies can earn the UNF Peace Corps Prep Certificate and the Undergraduate Certificate in Teaching English to Speakers of Other Languages (TESOL) with little or no additional coursework or practical experience. For details, see www.unf.edu/coas/intlstudies/undergraduate_certificates.aspx

ACCELERATED PATHS INTO GRADUATE PROGRAMS

- Students in this major can apply to participate in accelerated paths into the selected graduate programs at UNF, including

the Master of Arts in International Affairs (MAIA), the Master of Social Work (MSW), the Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL). Accepted students are permitted to take a specified number of graduate-level courses (the number varies by graduate program) while still undergraduates, double count those courses to both the B.A. in International Studies and the respective graduate program, and, upon completion of the undergraduate degree, enter the graduate program through an expedited application process. See www.unf.edu/coas/intlstudies/accelerated_paths.aspx.

Foundation (3 credits)

SELECT 1 FROM THE FOLLOWING:

INR 2002 Introduction to International Relations and CPO 2002 Introduction to Comparative Politics are not prerequisites to the major itself, but are the respective prerequisites for INR4603 International Relations: Frameworks of Analysis and CPO 4014 Comparative Politics: Frameworks for Analysis, one of which students must take as a major requirement.

- INR 2002 Introduction to International Relations (3 Credits)
- CPO 2002 Introduction to Comparative Politics (3 Credits)

Requisites (14 credits)

Requires grades of C or above. Students in this major must demonstrate competency at the intermediate level in a spoken language other than English. This requirement is usually met by completing the intermediate-level course sequence (Intermediate I and II) in Chinese, French or Spanish, which are the three languages taught consistently at UNF through the intermediate level. Other options are available, however, including for those with existing proficiency. For the full policy on this requirement, see <https://goo.gl/hcs7ts>

SELECT 2 BEGINNING / 2 INTERMEDIATE

International Educational Experience

Students in this major must complete an international educational experience that involves at least three hours of academic credit. This requirement is usually met through the participation in a

study abroad program or an internship with an international focus. All activities must be approved in advance by the program director. Completion of this requirement is marked on a student's transcript through registration in the 0-credit course INS 3950 during the semester of the activity in question. For the full policy on this requirement, see <https://goo.gl/WWHE4E>

INR3950 Int'l Educ Experience (0 Credits)

Major Requirements (6 credits)

Requires grades of C or above.

INS3003 Intro to Intl Studies (3 Credits)

INS4930 Intl Studies Sen Res Semi (3 Credits)

Prereqs: Senior standing and satisfactory completion of INS3003 Introduction to International Studies

Major Electives (27 credits)

1. SELECT ONE FROM THE FOLLOWING

COURSES ON COMPARATIVE POLITICS AND INTERNATIONAL RELATIONS:

- CPO 4014 Comparative Politics: Frameworks for Analysis (3 Credits) Prerequisite: CPO 2002
- INR 4603 International Relations Frameworks of Analysis (3 credits). Prerequisite: INR 2002

2. SELECT ONE FROM THE FOLLOWING

COURSES ON CULTURE AND SOCIETY:

- ANT 3212 (CD)(FC) Peoples/Cultures World (3 credits)
- ANT 3243 Comparative Muslim Cultures (3 credits)
- ANT 3340 Anthropology of West Indies (3 credits)
- ANT 3355 The African Diaspora (3 credits)
- ANT 3610 Linguistic Anthropology
- ANT 3933 Seminar in Anthropology (3 credits), when topic is international in focus
- ANT 4352 (FC) Peoples & Cultures of Africa (3 credits)
- ANT 4362 (FC) Peoples & Cultures of South East Asia (3 credits)
- ANT 4444 Cities and Globalization (3 credits)

- ANT 4274 Political Anthropology (3 credits)
- ANT 3462 Health, Illness & Culture (3 credits)
- FOT 3931 (FC) Studies in Foreign Culture (3 credits)
- LAS 3020 (FC) Peoples & Cultures of the Caribbean (3 credits)
- LAS 3031 (FC) Peoples & Cultures of the Southern Cone (3 credits)
- LAS 3310 Peoples & Cultures of Mexico (3 credits)
- SYP 4411 Sociology of War & Peace (3 credits)

3.SELECT ONE FROM THE FOLLOWING

COURSES ON HISTORY:

- AFH 3450 South Africa (3 credits)
- AFH 3100 Ancient Africa to 1850 (3 credits)
- AFH 3200 History of Modern Africa: From 1807-Present (3 credits)
- AFH 3252 War, Genocide, and HIV (3 credits)
- AMH 3511 The U.S. in World Affairs (3 credits)
- AMH 3544 The 1960s & Vietnam (3 credits)
- ASH 3200 (FC) Ancient Near East (3 credits)
- ASH 3201 (FC) Ancient Israel (3 credits)
- ASH 3223 Middle East (3 credits)
- ASH 3337 Gandhi/Modern India (3 credits)
- ASH 3401 Contemporary China (3 credits)
- ASH 3402 Traditional China (3 credits)
- ASH 3404 Modern China (3 credits)
- ASH 3440 Japanese Civilization (3 credits)
- ASH 3441 Japan Before 1868 (3 credits)
- ASH 3448 (CD)(FC) Hiroshima (3 credits)
- ASH 3620 Asian Art & Culture (3 credits)
- ASH 3932 Selected Topics Asian History (3 credits)
- ASH 4934 Seminar Asian History (3 credits). Prerequisite HIS 3051 Craft of the Historian or permission of instructor
- EUH 3120 Medieval Europe (3 credits)
- EUH 3124 The Crusades (3 credits)
- EUH 3142 Renaissance-Reformation (3 credits)
- EUH 3205 19th Century Europe (3 credits)
- EUH 3206 20th Century Europe (3 credits)
- EUH 3241 The Holocaust (3 credits)
- EUH 3312 History of Spain (3 credits)
- EUH 3320 Eastern Europe (3 credits)
- EUH 3403 (FC) Ancient Greece (3 credits)
- EUH 3411 (FC) Ancient Rome (3 credits)
- EUH 3451 France Since 1789 (3 credits)

- EUH 3453 The French Revolution and Napoleon (3 credits)
- EUH 3462 Modern Germany (3 credits)
- EUH 3465 Nazi Germany Power, Society & War in Hitler's Reich (3 credits)
- EUH 3466 (FC) Germany Today (3 credits)
- EUH 3511 Tudor-Stuart England, 1485-1714 (3 credits)
- EUH 3575 Imperial Russia (3 credits)
- EUH 3576 Russia Since 1905 (3 credits)
- EUH 3580 (CD)(FC) Russian Thought and Culture (3 credits)
- EUH 3581 Russia in Asia (3 credits)
- EUH 3932 Selected Topics European History (3 credits)
- EUH 4294 Seminar Modern Europe (3 credits). Prerequisite: HIS 3051 Craft of the Historian or permission of instructor
- HIS 3307 Modern War (3 credits)
- HIS 3490 History of Medicine and Disease (3 credits)
- HIS 4936 Seminars (3 credits). Prerequisite: HIS 3051 or permission of instructor
- LAH 3300 (CD) (FC) Modern Latin America (3 credits)
- LAH 3736 (FC) Modern Latin America History through Film (3 credits)
- LAH 3932 Selected Topics Latin American History (3 credits)
- LAH 3955 Latin America Abroad (3 credits)
- LAH 4932 Seminar Latin American History (3 credits)
Prerequisite: HIS 3051 or permission of instructor

4.SELECT ONE FROM THE FOLLOWING

COURSES ON ECONOMICS AND GEOGRAPHY:

- ECO 3701 CD-Contemporary Intl Eco (3 credits).
- ECO 4933 Special Topics in Economics (3 credits), when topic is international in focus. Prerequisite: Permission of instructor
- GEA 3405 Geography of Latin America and the Caribbean (3 credits)
- GEO 3502 Economic Geography (3 credits)
- GEO 3553 Cultural Dimensions of Eco Geo (3 credits)
- GEO 4930 Special Topics in Geography (3 credits), when topic is international in focus. Prerequisite: Permission of instructor
- INR 4703 International Political Economy (3 credits)
- SYP 3440 Social Change & International Development (3 credits)

5.SELECT ONE FROM THE FOLLOWING

COURSES ON PHILOSOPHY OR RELIGIOUS STUDIES:

- PHH 3100 Ancient Greek Philosophy (3 credits)
- PHH 3104 Socrates and the Sophists (3 credits)
- PHH 3120 (FC) The Greek Experience (3 credits)
- PHH 3201 Jewish and Islamic Philosophy in the Classical Tradition (3 credits)
- PHH 3400 Modern Philosophy (3 credits)
- PHH 3500 Kant to Nietzsche (3 credits)
- PHH 3810 Introduction to Buddhism (3 credits)
- PHH 3811 The Philosophy of Zen Buddhism (3 credits)
- PHH 3820 (FC) Chinese Philosophy (3 credits)
- PHH 3860 (FC) Japanese Philosophy (3 credits)
- PHH 4121 Ancient Greek Ethics (3 credits)
- PHH 3xxx Philosophies of India (3 credits)
- PHH 4601 Contemporary European Philosophy (3 credits)
- PHH 4821 Confucianism (3 credits)
- PHI 3xxx Islamic Philosophy (3 credits)
- PHI 3880 Philosophy of Film (3 credits)
- PHI 3664 Ethics East & West (3 credits)
- PHI 3930 Special Topics (3 credits), when topic is international in focus
- PHI 3931 East & West Selected Topics (3 credits)
- PHI 3932 Special Topics in Asian Thought and Practice (3 credits)
- PHI 3934 Selected Topics in Value Theory (3 credits)
- PHI 3935 Ancient Greek Philosophy: Special Topics (3 credits)
- PHI 4930 Special Topics in Philosophy (3 credits), when topic is international in focus
- PHI 4420 Philosophy of the Social Sciences (3 credits)
- PHM 3100 Social Philosophy (3 credits)
- PHM 3128 Philosophy of Race and Racism (3 credits)
- PHM 3304 Political Philosophy (3 credits)
- PHM 3361 Philosophy of Democracy (3 credits)
- PHM 3362 Global Justice (3 credits)
- PHM 4340 Contemporary Political Philosophy (3 credits)
- PHP 3786 Existentialism (3 credits)
- PHP 3790 American Philosophy (3 credits). (When taught as "Philosophy of the Americas")
- REL 3101 Religion and Popular Culture (3 credits)
- REL 3074 (CD) Myths and Rituals (3 credits)
- REL 3102 (CD) Religion as Culture (3 credits)
- REL 3127 Religion and the Courts (3 credits)
- REL 3148 Religion and Violence (3 credits)
- REL 3111 Religion and Film (3 credits)

- REL 3146 Women and Religion: The Western Experience (3 credits)
- REL 3168 Religion and Nature (3 credits)
- REL 3175 Ethics East and West (3 credits)
- REL 3213 Hebrew Bible/Old Testament (3 credits)
- REL 3241 New Testament (3 credits)
- REL 3340 Introduction to Buddhism (3 credits)
- REL 3310 Asian Religions (3 credits)
- REL 3330 Religions of India (3 credits)
- REL 3345 Zen Buddhism (3 credits)
- REL 3405 Jewish and Islamic Thought (3 credits)
- REL 3456 Japanese Philosophy and Religion (3 credits)
- REL 3457 Chinese Philosophy and Religion (3 credits)
- REL 3443 Liberation Theologies (3 credits)
- REL 3505 History of Christian Thought (3 credits)
- REL 3933 Special Topics: Islam (3 credits)
- REL 3934 Special Topics: Hinduism (3 credits)
- REL 3935 Special Topics: Buddhism (3 credits)
- REL 4930 Advanced Special Topics: Buddhism (3 credits)
- REL 4936 Advanced Special Topics: Hinduism (3 credits)
- REL 4937 Advanced Special Topics: Judaism (3 credits)
- REL 4939 Advanced Special Topics: Islam (3 credits)

6.SELECT ONE FROM THE FOLLOWING

COURSES ON LITERATURE, FILM, AND THE FINE ARTS:

- ARH 3574 Early Islamic Art (3 credits)
- ARH 3571 Islamic Architecture (3 credits)
- ARH 3130 The Art and Archeology of Ancient Greece (3 credits)
- ARH 3150 The Art and Architecture of Ancient Rome (3 credits)
- ARH 3211 Early Medieval Art and Architecture (3 credits)
- ARH 3250 Romanesque Art and Architecture (3 credits)
- ARH 3253 Gothic Art and Architecture (3 credits)
- ARH 3302 Italian Renaissance Art (3 credits)
- ARH 3319 The Art and Architecture of Michelangelo (3 credits)
- ARH 3331 Northern Renaissance Art (3 credits)
- ARH 3350 Baroque Art (3 credits)
- ARH 3354 Rubens to Rembrandt Netherlandish Baroque Art (3 credits)
- ARH 3404 British Art Hogarth to Hirst (3 credits)
- ARH 3410 Modern European Art I (3 credits)

- ARH 3434 Modern European Art II (3 credits)
- ARH 3453 Post War Art: 1940-1980 (3 credits)
- ARH 3475 Contemporary Art 1980 to Present (3 credits)
- ARH 3583 Tribal Arts (3 credits)
- ARH 3843 Studies in Irish Art and Architecture (3 credits)
- ARH 3883 The Apocalypse in Medieval and Early Modern Art (3 credits)
- ARH 3930: Special Topics in Art History (3 credits), when topic is international in focus.
- ARH 3955 Art History on Site (1-3 credits)
- ENL 3132 History of the Later British Novel (3 credits)
- ENL 3203 Old English (3 credits)
- ENL 3333 Shakespeare (3 credits)
- ENL 4210 Studies in Medieval Literature (3 credits)
- ENL 4220 Studies in Renaissance Literature (3 credits)
- ENL 4230 Topics in Restoration and 18th Century British Literature (3 credits)
- ENL 4240 Studies in British Romantic Literature (3 credits)
- ENL 4251 Studies in Victorian Literature (3 credits)
- FIL 3828 International Film Survey (3 credits) Prerequisite: Sophomore, junior or senior standing
- FIL 4822 French Cinema (3 credits)
- FIL 4843 Asian Cinema (3 credits)
- FIL 4848 World Cinema and the Cross-Cultural Encounter (3 credits)
- FRE 3350 Reading French Lit and Culture (3 credits). Prerequisites: FRE 2240, FRE 2241
- FRW 3100 Survey of French Lit Pre-19th Century (3 credits). Prerequisite: FRE 3350 or FRE 3300 or permission of the instructor
- FRW 4930 Special Topics in French Literature (3 credits) Prerequisite: FRE 3350 or FRE 3300 or permission of the instructor
- LAS 3132 Women and Violence in Latin American Literature and Film (3 credits)
- LIT 3193 (FC) Literature of the East (3 credits)
- LIT 4650 Comparative Literature (3 credits)
- SPW 4600 Don Quixote: Hero or Fool? (3 credits). Prerequisite: SPW3030
- SPW 4523 Women's Literature in Latin America (3 credits) Prerequisite: SPW3030
- SPW 4302 Hispanic Theatre From Text To Stage (3 credits) Prerequisite: SPW3030
- SPW 4192 Food in Latin American Literature and Culture (3

credits) Prerequisite: SPW3030

- SPW 4194 Pirates in Hispanic Literature and Culture (3 credits)
Prerequisite: SPW3030
- SPW 3030 Introduction to Literature in Spanish (3 credits)
Prerequisite: SPN3242 and SPN3300, or permission of the instructor or department
- SPW 3471 Studies in Colonial and 19th C. Latin American Literature (3 credits). Prerequisite: SPW3030
- SPW 3498 Studies in Contemporary Latin American Literature (3 credits). Prerequisite: SPW3030
- SPW 3409 Studies in Medieval and Golden Age Spanish Literature (3 credits). Prerequisite: SPW3030
- SPW 3105 Studies in Contemporary Spanish Literature (3 credits). Prerequisite: SPW3030
- SPW 3391 Spanish Cinema (3 credits). Prerequisite: SPW3030
- SPW 3399 Latin American Cinema (3 credits) Prerequisite: SPW3030
- SPW 4373 Technology and the Latin American Short Story (3 credits). Prerequisite: SPW3030

7. SELECT ONE FROM THE FOLLOWING

COURSES ON METHODS, THEORIES AND SKILLS:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- ENG 3816 Digital Methods in Literary Studies (3 credits)
- ENG 4004 Research Methods in English (3 credits)
- COM 4561 Strategic Social Media (3 credits)
- DIG 3152 Introduction to Electronic Textual Editing (3 credits)
- DIG 3176 Introduction to the Digital Humanities (3 credits)
- DIG 4944 Digital Humanities Internship (3 credits)
Prerequisites: At least nine hours within the Digital Humanities minor, minimum GPA: 2.75
- DIG 4588 Digital Humanities Studio (3 credits). Prerequisite: At least nine hours within the Digital Humanities minor
- ECO 3421 Econometrics (3 credits). Prerequisites: ECO 3411, ECO 2013, and ECO 2023
- ENG 3930 Special Topics in Literary and Cultural Theory (3 credits). Prerequisite: Junior standing or permission of instructor.
- FIL 3363 Documentary Production (3 credits)
- FIL 4361 Audio Documentary and Podcasting (3 credits)
- FIL 4940 Internship in Film Administration (3 credits)

- FIL 4945 Internship in Film Production (3 credits)
- FIN 4604 International Finance (3 credits). Prerequisite : FIN3403
- FRE 3430 French for Professions (3 credits). Prerequisite: FRE 3283 or FRE 3300 or permission of the instructor
- FRT 3800 French Translation Techniques (3 credits)
Prerequisite: FRE 3350 or FRE 3300 or permission of the instructor
- GIS 3043 Introduction to Geographic Information Systems (3 credits)
- HIS 4940 Internship in History (3 credits). Prerequisite : : History major or minor, 3.0 GPA, junior or senior standing, and permission of the department chair
- INS 4941 International Studies Internship (3 credits).
Prerequisites: INS 3003 Introduction to International Studies, and three additional upper-level courses within the major.
Minimum GPA: 2.75.
- LIT 4940 Practicum: English (1-6 credits)
- MAN 4942 Management Internship (3 credits). Prerequisite : MAN 3025 and MAN 3504
- MMC 4420 Mass Communications Research (3 credits)
Prerequisites: MMC 1004; MMC 3105; MMC 3614; and STA 2014 or STA 2023
- MMC 4422 Advertising & PR Research (3 credits) Prerequisite: MMC 1004; MMC 3105; and ADV 3008 or PUR 3000
- PHI 3084 Philosophical Methods (3 credits)
- POS 3733 Research Design for Political Scientists (3 credits)
- REL 3040 Religion Theory & Methods (3 credits)
- REL 3102 (CD) Religion as Culture (3 credits)
- POS 4945: Internship/Field Experience (1-6 credits).
Prerequisite: Consent of instructor
- RTV 3260 Single Camera Video Production (3 credits).
Prerequisites: MMC 4500 and MMC 1004 and MMC 3105
(prerequisites may be waived for International Studies majors; contact School of Communication)
- SOW 3403 Social Work Research Methods (3 credits)
- SPC 4064 Public Speaking for Professionals (3 credits)
- SPN 3013 Spanish for Business (3 credits). Prerequisite: SPN 3300 and SPN 3242 or permission of instructor
- SPN 3036 Spanish for Health Professions (3 credits).
Prerequisite: SPN 3242; SPN 3300 or SPN 3350
- SPN 4940 Internship for Service/Employment in Spanish (3 credits). Prerequisites: SPN 3242, SPN 3300, SPW 3030 and two additional 3000/4000 level SPN/SPW courses, minimum

GPA: 2.5

- SYA 3310 Qualitative Research Methods (3 credits)
Prerequisite: SYA 3300
- TSL 4340 TESOL Methods and Curriculum (3 credits)
Prerequisites: RED 3310 and TSL 3080 or as prescribed by the program of study
- TSL 4360 TESOL Methods and Curriculum for Secondary Teachers (3 credits). Prerequisite: TSL 3080

8.SELECT TWO FROM THE FOLLOWING

COURSES ON VARIOUS TOPICS. Any course listed in the preceding sections can also be a valid elective in this section.

- ANT 3311 (FC) Indians of the Southeastern U. S. (3 credits)
- ANT 3312 (CD)(FC) North American Indians (3 credits)
- ASN 3106 Women and Gender in East Asia (3 credits)
- CHI 3930 Special Topics in Chinese (3 credits)
- CHT 3500 Chinese Culture (3 credits)
- COM 4430 International Communication (3 credits).
Prerequisites: SPC 2608, SPC 4064, MMC 3614 or permission of instructor
- CPO 3123 Politics & Society in Britain & Ireland (3 credits)
- CPO 3151 Politics & Society in France (3 credits)
- CPO 3213 Politics & Society in Sub-Saharan Africa (3 credits)
- CPO 3351 Politics & Society in Brazil (3 credits)
- CPO 3402 Politics of Pakistan and Afghanistan (3 credits)
- CPO 3643 Politics & Society in Russia (3 credits)
- CPO 4034 Politics of Developing Countries (3 credits)
Prerequisite: CPO 2002 or consent of instructor
- CPO 4930 Topics in Comparative Politics (3 credits), when topic is international in focus. Prerequisite: CPO 2002 or permission of instructor
- ECO 3704 International Trade (3 credits). Prerequisite: ECO 2023
- ECO 4504 Public Finance (3 credits). Prerequisites: ECO 2013, ECO 2023 or permission of instructor
- ECO 4713 International Monetary System (3 credits).
Prerequisite: ECO 3203
- ECS 3303 Current Issues in the Econ of EU (3 credits).
Prerequisites: ECO 2013 or ECO 2023 or consent of the instructor
- ECS 3403 Current Issues in Eco of Latin America (3 credits).
Prerequisites: ECO 2013 or ECO 2023 or consent of instructor

- FOL 3930 Special Topics in Foreign Language (3-12 credits)
- FOL 3953 Advanced Foreign Language Study Abroad (3 credits).
- FOT 3931 (FC) Studies of Foreign Cultures (3 credits).
- FRE 3502 French and Francophone Cultures (3 credits).
Prerequisite: FRE 3300
- FRE 4501 France Today (3 credits). Prerequisite: FRE 3283 or FRE 3350 or FRE 3300 or permission of instructor
- FRE 4930 Special Topics in French Culture (3 credits).
Prerequisite: FRE 3300 or FRE 3350 or permission of the instructor
- FRT 3550 Faces of France (3 credits)
- GIS 4048 Intermediate Geographic Information Systems (3 credits). Prerequisite: GIS 3043
- HSC 4624 Global Health (3 credits)
- HSC 4931 Special Topics (when topic is international in focus) (3 credits)
- INS 4905 Directed Independent Study (3 credits). Prerequisite: Permission of instructor
- INR 3016 Global Issues in Contemporary Politics (3 credits)
- INR 3084 Terrorism Today (3 credits)
- INR 3102 Real Policy World (3 credits)
- INR 3153 American Foreign Policy in the Middle East (3 credits)
- INR 3248 (FC) US Caribbean/Central America Relations (3 credits)
- INR 3443 International Law & Organization (3 credits).
Prerequisite: INR 2002
- INR 4334 American Defense in the Age of Mass Destruction (3 credits). Prerequisite: POS 2041 or consent of instructor
- INR 4703 International Political Economy (3 credits)
- INS 3951 Study Abroad Reflection and Synthesis (1 credit).
Prerequisite: Permission of program director
- LAS 3130 Latin American Pop Culture (3 credits)
- LDR 4263 Community Leadership Practicum (3 credits).
Prerequisites: LDR 3003, LDR 3320
- MAN 4064 Organizational Ethics: A Global Perspective (3 credits). Prerequisite: MAN 3025 or permission of the instructor
- MAN 4201 Organization Theory (3 credits). Prerequisite: MAN 3025
- PGY 3952C Study Abroad Photography in Italy (3 credits)
- POT 4314 Democratic Theory (3 credits)
- SOP 3515 Fundamentals of Conflict Transformation (3 credits)
- SPN 3510 Cultures of Spain (3 credits). Prerequisites:

SPN3242, and SPN3300 or SPN3350

- SPN 3524 Latin American Cultures (

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Major: Religious Studies

Degree: Bachelor of Arts

Foundation (3 credits)

REL2300 (CD) Comparative Religion (3 Credits)

Core Requirements (6 credits)

Students must take 6 credits, earning a grade of C or higher

REL3102 CD- Religion as Culture (3 Credits)

REL3040 Theories of Religious Studies (3 Credits)

Major Requirements (18 credits)

Students must take 18 credits of upper level courses designated as REL, earning a grade of C or higher.

TAKE 6 REL COURSES 3000-4000 LEVEL

Capstone Experience (3 credits)

This course should bring together the theoretical and methodological skills developed in the major and apply them to a specific area of data that could vary by instructor and/or by student interest. It will be one context in which the assessment of the Religious Studies Major can take place. Students must obtain a grade of C or higher.

REL4910 Senior Seminar Capstone (3 Credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (10 credits)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total requirement. These hours may vary (consult your advisor about free elective hours needed

to graduate).

FREE ELECTIVES 7 HOURS(3000/4000)

Major: Mathematics
Concentration: Applied Mathematics
Degree: Bachelor of Science

Prerequisites (22 credits)

Requires grades of C or above.

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

- COP

SCIENCE REQUIREMENT

1 laboratory-based science course designed for science majors.

- BSC CHM PHY GLY

Major Requirements (21 credits)

Grades of C or above required in all major courses.

Note: All transfer courses require prior approval of department chairperson.

MHF3202 (GM) Foundations of Mathematics (4 Credits)

Prereq: MAC 2312

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

MAA4211 (GM) Advanced Calculus I (4 Credits)

Prereqs: MAC 2313, MAS 3105, & MHF 3202

MAD4401 (GM) Numerical Analysis (3 Credits)

Prerequisites: MAC 2313, MAP 2302, MAS 3105

SELECT 2 FROM THE FOLLOWING

- MAP 4341 (GM) Elementary Partial Differential Equations (3 Credits) Prerequisites: MAP 2302, MAC 2313
- MAP 4103 Mathematical Modeling (3 Credits) Prerequisites: MAP 2302, MAC 2313, MAS 3105
- MAP 4314 Dynamical Systems (3 Credits) Prerequisites: MAP 2302, MAC 2313, MAS 3105

Contextual Courses (4 credits)

STA4321 (GM) Probability and Statistics (4 Credits)

Prereq: MAC 2312

Major Electives (12 credits)

Check catalog course descriptions for course prerequisites.

SELECT 4 FROM THE FOLLOWING:

- MAA 4212 (GM) Advanced Calculus II (3 Credits)
- MAA 4402 (GM) Complex Analysis (3 Credits)
- MAD 3107 (GM) Discrete Mathematics (3 Credits)
- MAD 4203 Combinatorics (3 Credits)
- MAD 4301 Graph Theory (3 Credits)
- MAD 4505 Discrete Biomathematics (3 Credits)
- MAP 3170 Financial Mathematics for Actuarial Science (3 Credits)
- MAP 4231 (GM) Operations Research (3 Credits) (3 Credits)
- MAS 3203 (GM) Number Theory (3 Credits)
- MAS 4156 (GM) Vector Analysis (3 Credits)
- MTG 4302 (GM) Elementary Topology (3 Credits)
- STA 4322 (GM) Statistical Theory (4 Credits)
- STA 4672 Prob. Models w/ App to Actuarial Science (3 Credits)
- STA 3163 (GM) Statistical Method I (4 Credits)

Capstone Experience (3 credits)

MAS4932 Capstone Experience in Math (1 Credit)

MAS4900 Research Exp in Math- DIS (2 Credits)

Minor Required

Bachelor of Science students majoring in mathematics or statistics must select a minor from among biology, physics, computer science, statistics (for mathematics majors only), chemistry, economics, business, or mathematics (for statistics majors only). Double majors are exempt from a minor

Free Electives (5 credits)

SELECT 5 HR FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Social Work

Degree: Bachelor of Social Work

Prerequisites (15 credits)

Prior to being admitted to the BSW program, students must successfully complete 15 hours of state-mandated common prerequisites with a C or better. Select one course in each of the following disciplines (UNF course offerings are listed; equivalent courses from other institutions are also acceptable)

POS 2041 Intro to American Government

Acceptable substitutes: POSX042 or PUPX099

BIOLOGY Select one from list below

- BSC 1005C Principles of Biology
- BSC 2085C Anatomy & Physiology I
- BSC 1010C General Biology I Acceptable substitutes: PCB x099

PSYCHOLOGY Select one from list below

- PSY 2012 Introduction to Psychology Acceptable substitutes: PSY x020

SOCIOLOGY Select one from list below

- SYG 2000 Introduction to Sociology Acceptable substitutes: SYG x010

ECONOMICS Select one from list below

- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics Acceptable substitutes: ECO x000

Major Requirements (36 credits)

SOW3203 Social Welfare Institutions (3 Credits)

SOW4101 HBSE I (3 Credits)

SOW3293 Social Work Communication (3 Credits)

SOW3403 Social Work Research Methods (3 Credits)

SOW4302 SW w/ Indiv and Fam (3 Credits)

SOW4102 HBSE II (3 Credits)

SOW4323 Social Work with Groups (3 Credits)

SOW4322 SW w/Org and Com (3 Credits)

SOW4511 Field Education I (3 Credits)

SOW4522 Field Seminar I (3 Credits)

SOW4512 Field Education II (3 Credits)

SOW4523 Field Seminar II (3 Credits)

Social Work Diversity Requirement (6 credits)

SOW3620 Soc Work with Diverse Groups (3 Credits)

DIVERSITY SELECT ONE OF THE FOLLOWING:

- SYD 3700 Race & Cultural Minorities (3 credits)
- SYD 3800 Gender & Society (3 credits)
- ANT 3212 Peoples & Cultures of the World (3 credits)

Major Electives (12 credits)

ELECTIVES SELECT FOUR OF THE FOLLOWING:

- SOW 4122 Inside the Asylum (3 credits)
- SOW 4654 Social Work with Children and Adolescents (3 credits)
- SOW 4930 Special Topics in Social Work (3 credits)
- SOW 4700 Substance Abuse and Social Work Practice (3 credits)
- SOW 4794 Social Work with Immigrants and Refugees (3 credits)
- SOW 4602 Social Work in Health Care (3 credits)
- SYA 4654 Evaluation Research/Program Analysis (3 credits)
- SYO 3110 Sociology of Sexualities (3 credits)
- SYO 4100 Sociology of Family (3 credits)
- SYO 4400 Health, Illness, & Society (3 credits)
- SYP 3570 Deviance & Social Control (3 credits)
- SYP 4730 Sociology of Aging (3 credits)
- CJC 3410 Methods of Offender Treatment (3 credits)
- CCJ 4681 Family Violence (3 credits)

CJJ 3010 Juvenile Delinquency & Juvenile Justice (3 credits)

- SOW 4651 Child Abuse and Neglect (3 credits)
- SOW 4724 Child Welfare Practice (3 credits)

Free Electives (6 credits)

SELECT 6 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Mathematics
Concentration: Discrete Analysis
Degree: Bachelor of Science

Prerequisites (22 credits)

Requires grades of C or above.

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

- COP

SCIENCE REQUIREMENT

1 laboratory-based science course designed for science majors.

- BSC CHM PHY GLY

Major Requirements (30 credits)

Grades of C or above required in all major courses.

Note: All transfer courses require prior approval of department chairperson.

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

MAD3107 (GM) Discrete Mathematics (3 Credits)

Prereq: MAC 2312

MHF3202 (GM) Foundations of Mathematics (4 Credits)

Prereq: MAC 2312

COP3503 Programming II (3 Credits)

Prereqs: MAC 2311, COT 3100, COP 2220

COT3210 Theory of Computation (3 Credits)

Prereqs: COT 3100, COP 3503

MAS4301 (GM) Abstract Algebra I (4 Credits)

Prereqs: MAS 3105 & MHF 3202

SELECT 1 FROM THE FOLLOWING:

- MAD 4203 Combinatorics (3 credits) (prereqs: MAD 3107, MHF 3202, COT 3100)
- COT 4111 Computational Structures II (3 credits) (prereq: COT 3100 or MAD 3107)

SELECT 1 FROM THE FOLLOWING:

- MAD 4301 Graph Theory (prereqs: MAD 3107, MHF 3202, COT 3100)
- COT 4560 Applied Graph Theory (prereqs: COT 3100, plus COP 3530 or COP 3540)

SELECT 1 FROM THE FOLLOWING:

- MAD 4505 Discrete Biomathematics (prereqs: MAD 3107 or MHF 3202 or COT 3100)
- COT 4461 Computational Biology (prereqs: COP 3530 or COP 3540, and STA 4321 or Intro Stats)

Contextual Courses (4 credits)

STA4321 (GM)Probability and Statistics (4 Credits)

Prereq: MAC 2312

Major Electives (6 credits)

Check catalog course descriptions for course prerequisites.

SELECT 2 FROM THE FOLLOWING:

- MAD 4401 Numerical Analysis
- MAP 4231 Operations Research
- MAS 3203 Number Theory
- MAS 4302 Abstract Algebra II

- MTG 4302 Elementary Topology
- STA 4322 Statistical Theory

Capstone Experience (3 credits)

MAS4932 Capstone Experience in Math (1 Credit)

MAS4900 Research Exp in Math- DIS (2 Credits)

Discrete Analysis Concentration: Intensive Mathematics vs. approved Minor option information section Choose 1 of the following options:

- Mathematics Intensive Option

A. Senior Thesis (1-4 hours)

AND

Approved Upper Level Electives (11-14 hours) B. Approved

Upper Level Electives (15 hours)

- Computer Science Minor
- Statistics Minor for BS Math Majors
- Biology Minor
- Chemistry Minor
- Professional Education Minor

This minor satisfies the minimum professional education requirements for alternative teacher certification in the state of Florida. Students choosing this minor may use MHF 3404 History of Mathematics and MTG 3212 Modern Geometry as major electives.

Free Electives (2 credits)

SELECT 2 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Sociology

Degree: Bachelor of Arts

Prerequisites (6 credits)

Social Welfare concentration student can also take SOW2036 as part of the 2 Intro Sociology courses.

SELECT 2 INTRO SOCIOLOGY (1000/2000)

SYG/SYA/SYD/SYO/SYP

Major Requirements (12 credits)

SYA 3300 requires an elementary statistics course as preparation.

SYA3300 Soc Research Methods (3 Credits)

Prereq: Elementary Statistics

CHOOSE TWO OF THE FOLLOWING (6 cr)

- SYA 3310 Qualitative Research Methods (3 credits)
- Prereq: SYA 3300
- SYA 3450C Social Science Data Analysis (3 credits)
- Prereq: SYA 3300
- SYA 4654 Evaluation Research/Program Analysis (3 credits)
- Prereq: SYA 3300

SYA4010 Sociological Theory (3 Credits)

Prereq: SYG 2000 or SYG 2013 & 2 upper level
Sociology courses

Major Electives (21 credits)

SELECT 7 SOCIOLOGY ELECTIVES

- SYA 3310 Qualitative Research Methods (3 credits)
- SYA 3450C Social Science Data Analysis (3 credits)
- SYA 3931 ST: Sociology(2-5 credits)
- SYA4654 Evaluation Research/Program Analysis (3 credits)
- SYA 4930 ST: Sociology(2-5 credits)
- SYA 4905 Directed Individual Study(2-6 credits)
- SYA 4900 Honors Project in Sociology(3-6 credits)
- SYA 4935 Senior Seminar (3 credits)

- SYA 4914 Sociological Research Experience (2-6 credits)
- SYA 4943 Sociology Internship (3 credits)
- SYO 4200 Sociology of Religion (3 credits)
- SYD 4510 Environment & Sociology(3 credits)
- SYP 4660 Sociology of Culture (3 credits)
- SYO 4370 Sociology of Work (3 credits)
- SYD 3020 Social Demography (3 credits)
- SYD 3410 Urban Sociology (3 credits)
- SYD 3700 Racial and Ethnic Minorities (3 credits)
- SYD 3800 Gender & Society (3 credits)
- SYD 4601 Community Organization, Change & Development
- SYD 4702 Race, Place and Inequality (3 credits)
- SYO 3110 Sociology of Sexualities (3 credits)
- SYO 3530 Social Stratification (3 credits)
- SYO 4100 Sociology of Family (3 credits)
- SYO 4300 Political Sociology (3 credits)
- SYO 4400 Health, Illness & Society (3 credits)
- SYO 4500 Sociology of Organizations (3 credits)
- SYP 3440 Social Change & International Development
- SYP 3570 Deviance & Social Control (3 credits)
- SYP 4050 Social Human Interaction (3 credits)
- SYP 4351 Social Movements & Social Control (3 credits)
- SYP 4411 Sociology of War & Peace (3 credits)
- SYP 4730 The Sociology of Aging (3 credits)
- SYO 4200 Sociology of Religion (3 credits)

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):

All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (4 credits)

ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Mathematics

Degree: Bachelor of Arts

Prerequisites (22 credits)

Requires grades of C or above.

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

- COP

SCIENCE REQUIREMENT

1 laboratory-based science course designed for science majors.

- BSC CHM PHY GLY

Major Requirements (19 credits)

Grades of C or above required in all major courses.

Note: All transfer courses require prior approval of department chairperson.

The math department recommends MAA 4211, MAA 4212 and MAS 4302 be taken in the senior year.

MHF3202 (GM) Foundations of Mathematics (4 Credits)

Prereq: MAC 2312

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

MAS4301 (GM) Abstract Algebra I (4 Credits)

Prereqs: MAS 3105 & MHF 3202

MAA4211 (GM) Advanced Calculus I (4 Credits)

Prereqs: MAC 2313, MAS 3105, & MHF 3202

SELECT ONE COURSE FROM BELOW

- MAA 4212 (GM) Advanced Calculus II (3 credits)
- MAS 4302 (GM) Abstract Algebra II (3 credits)

Contextual Courses (4 credits)

STA4321 (GM)Probability and Statistics (4 Credits)

Prereq: MAC 2312

Major Electives (9 credits)

Check catalog course descriptions for course prerequisites.

SELECT 3 FROM THE FOLLOWING:

- MAA 4402 Complex Analysis (3 Credits)
- MAA 4212 Advanced Calculus II (3 Credits)
- MAD 3107 Discrete Mathematics (3 Credits)
- MAD 4203 Combinatorics (3 Credits)
- MAD 4301 Graph Theory (3 Credits)
- MAD 4401 Numerical Analysis (3 Credits)
- MAD 4505 Discrete Biomathematics (3 Credits)
- MAP 3170 Financial Mathematics for Actuarial Science (3 Credits)
- MAP 4231 Operations Research (3 Credits)
- MAP 4341 Elementary Partial Differential Equations (3 Credits)
- MAS 3203 Number Theory (3 Credits)
- MAS 4156 Vector Analysis (3 Credits)
- MAS 4302 Abstract Algebra II (3 Credits)
- MHF 3404 History of Mathematics (3 Credits)
- MTG 3212 Modern Geometry (3 Credits)
- MTG 4302 Elementary Topology (3 Credits)
- STA 4322 Statistical Theory (4 Credits)
- STA 4672 Prob. Models w/ App to Actuarial Science (3 Credits)
- MAP 4103 Mathematical Modeling (3 Credits)
- MAP 4314 Dynamical Systems (3 Credits)

Capstone Experience (3 credits)

MAS4932 Capstone Experience in Math (1 Credit)

Minor Required

A minor is required for this major.*

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog.

Minors are generally completed during the last 60 hrs of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from the minor requirement).

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (2 credits)

SELECT 2 HR FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Spanish

Degree: Bachelor of Arts

Prerequisites

Grades of C or above are required in all prerequisite and major courses.

Note: Students may be placed into higher courses due to placement exam result or departmental recommendation.

SELECT FROM THE FOLLOWING:

- SPN 1120 Beginning Spanish I (4 credits) and
 - SPN 1121 Beginning Spanish II (4 credits)
- Or
- SPN 1134 Accelerated Beginning Spanish (6 credits)

SPN2200 Intermediate Spanish I (3 Credits)

SPN2201 Intermediate Spanish II (3 Credits)

Major Requirements (15 credits)

A total of 30 credit hours, at or above the 3000 level, is required to earn a Spanish B.A. degree (15 credits of major requirements and an additional 15 credits of major electives).

SPN3242 Spanish Conversation (3 Credits)

Prereq: SPN 2201

For non-heritage speakers of Spanish only. The requirement to take SPN 3242 Spanish Conversation is waived for native/heritage speakers of Spanish.

However, native/heritage speakers (students who grew up speaking Spanish) are encouraged to take the public speaking course SPN 3351 Communication and Communities for Heritage Speakers

SPN3300 Spanish Composition (3 Credits)

Prereq: SPN 2201

Native and heritage speakers may take SPN 3350 Spanish for Heritage-Speakers instead of SPN 3300 Spanish Composition.

SPW3030 Intro to Lit in Spanish (3 Credits)

Prereqs: SPN 3242 & SPN 3300

SELECT 1 FROM THE FOLLOWING:

LIST OF CULTURAL SURVEY COURSES (each of which counts for 3 credits):

- SPN 3510 Cultures of Spain
- SPN 3524 Latin American Cultures
- SPN 3503 U.S. Hispanic Cultures

SELECT 1 FROM THE FOLLOWING LIST

OF SURVEY COURSES ON LITERATURE, CULTURE, AND LANGUAGE (each of which counts 3 credits):

- SPW 3409 Studies in Medieval and Golden Age Spanish Literature
- SPW 3471 Studies in Colonial and 19th Century Latin American Literature
- SPW 3105 Studies in Contemporary Spanish Literature
- SPW 3498 Studies in Contemporary Latin American Literature

Major Electives (15 credits)

SELECT 5 COURSES

ON LITERATURE, CULTURE, AND LANGUAGE AT THE 3000/4000 LEVEL The 3000-level courses listed above are eligible electives, in addition to the following (each of which counts for 3 credits):

- SPW 3391 Spanish Cinema
- SPW 3399 Latin American Cinema
- SPW 4600 Don Quixote: Hero or Fool
- SPW 4302 Hispanic Theatre from Text to Stage
- SPW 4373 Technology and the Latin American Short Story
- SPW 4523 Women's Literature in Latin America
- SPW 4194 Pirates in Hispanic Literature and Culture
- SPW 4192 Food in Latin American Literature and Culture
- SPW 4930 Advanced Studies in Hispanic Literatures
- SPN 4541 Advanced Studies in Hispanic Cultures
- SPN 4400 Advanced Spanish Composition

Courses on Spanish for professions also count as major electives (each of the following counts for 3 credits):

- SPN 3013 Spanish for Business Prereqs: SPN3242 Spanish Conversation OR SPN3300 Spanish Composition OR SPN3350 Spanish for Heritage Speakers OR by permission of the instructor.
- SPN 3036 Spanish for Health Professions
- SPN 4940 Internship for Service and Employment in Spanish
Students may count among their major electives up to ONE of the following courses taught in English by the Department of Languages, Literatures, and Cultures (each of which counts for 3 credits):
 - LAS 3020 Peoples & Cultures of the Caribbean
 - LAS 3031 Peoples & Cultures of the Southern Cone
 - LAS 3930 Cultures of Latin America
 - FOT 3500 Peoples & Cultures of Spain
 - LAS 3132 (FC) Women and Violence in Latin American Literature and Film
 - LAS 3130 (FC) Latin American Pop Culture
 Other courses in English may be counted by permission of the chair of Languages, Literatures and Cultures.

Minor Required

A minor is required for this major.* (Credits will vary)

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog. Minors are generally completed during the last 60 credit hours of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from a minor.)

Free Electives (15 credits)

SELECT 15 HRS AT THE 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate). upper-division (3000/4000) level hours.

Major: Mathematics

Degree: Bachelor of Science

Prerequisites (22 credits)

Requires grades of C or above.

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

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SCIENCE REQUIREMENT

1 laboratory-based science course designed for science majors.

- BSC CHM PHY GLY

Major Requirements (19 credits)

Grades of C or above required in all major courses.

Note: All transfer courses require prior approval of department chairperson.

The math department recommends MAA 4211, MAA 4212 and MAS 4302 be taken in the senior year.

MHF3202 (GM) Foundations of Mathematics (4 Credits)

Prereq: MAC 2312

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

MAS4301 (GM) Abstract Algebra I (4 Credits)

Prereqs: MAS 3105 & MHF 3202

MAA4211 (GM) Advanced Calculus I (4 Credits)

Prereqs: MAC 2313, MAS 3105, & MHF 3202

SELECT ONE COURSE FROM BELOW

- MAA 4212 (GM) Advanced Calculus II (3 credits)
- MAS 4302 (GM) Abstract Algebra II (3 credits)

Contextual Courses (4 credits)

STA4321 (GM)Probability and Statistics (4 Credits)

Prereq: MAC 2312

Major Electives (12 credits)

Please check catalog course descriptions for prerequisite requirements.

SELECT 4 COURSES FROM THE FOLLOWING:

- MAA 4402 Complex Analysis (3 Credits)
- MAA 4212 Advanced Calculus II (3 Credits)
- MAD 3107 Discrete Mathematics (3 Credits)
- MAD 4203 Combinatorics (3 Credits)
- MAD 4301 Graph Theory (3 Credits)
- MAD 4401 Numerical Analysis (3 Credits)
- MAD 4505 Discrete Biomathematics (3 Credits)
- MAP 3170 Financial Mathematics for Actuarial Science (3 Credits)
- MAP 4231 Operations Research (3 Credits)
- MAP 4341 Elementary Partial Differential Equations (3 Credits)
- MAS 3203 Number Theory (3 Credits)
- MAS 4156 Vector Analysis (3 Credits)
- MAS 4302 Abstract Algebra II (3 Credits)
- MHF 3404 History of Mathematics (3 Credits)
- MTG 3212 Modern Geometry (3 Credits)
- MTG 4302 Elementary Topology (3 Credits)
- STA 4322 Statistical Theory (4 Credits)
- STA 4672 Prob. Models w/ App to Actuarial Science (3 Credits)
- MAP 4103 Mathematical Modeling (3 Credits)
- MAP 4314 Dynamical Systems (3 Credits)

Capstone Experience (3 credits)

MAS4932 Capstone Experience in Math (1 Credit)

MAS4900 Research Exp in Math- DIS (2 Credits)

Minor Required

Bachelor of Science students majoring in mathematics or statistics must select a minor from among biology, physics, computer science, statistics (for mathematics majors only), chemistry, economics, business, or mathematics (for statistics majors only). Double majors are exempt from a minor

Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Statistics
Concentration: Actuarial Science
Degree: Bachelor of Science

Prerequisites (26 credits)

All transfer courses require prior approval of department chairperson. A grade of C or better is required in all statistics prerequisites.

MAC2311 (GM) Calculus I (4 Credits)

Prereq: MAC 1147

MAC2312 (GM) Calculus II (4 Credits)

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

SELECT 1 STATISTICS COURSE

- STA

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

- COP

SELECT 2 LAB SCIENCE COURSES

Must be designed for science majors

- BSC CHM PHY GLY

Major Requirements (28 credits)

Grades of C or higher required in all major courses.

MAP3170 Financial Math (3 Credits)

Prerequisite: MAC 2312

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

STA3163 (GM)Statistical Methods I (4 Credits)

Prereq: STA 2014 or STA 2023 or STA 4321

STA3164 (GM)Statistical Methods II (3 Credits)

Prereq: STA 3163

STA4321 (GM)Probability and Statistics (4 Credits)

Prereq: MAC 2312

STA4322 (GM) Statistical Theory (4 Credits)

Prereq: MAC 2313 & STA 4321

STA4672 Probability Models (3 Credits)

prerequisites: MAC 2313, MAS 3105 and either STA 4321 STA 3032

STA4853 Time Series (3 Credits)

Prerequisite: STA 3163 or ECO 3411

Major Electives (12 credits)

Grades of C or higher required in all major electives

SELECT 4 courses from the following:

- MAP 4231 (GM) Operations Research (3 credits)
- MHF 3202 (GM) Foundation of Mathematics (4 credits)
- STA 4202 (GM) Design of Experiments (3 credits)
- STA 4222 Design of Sample Surveys (3 credits)
- STA 4502 (GM) Nonparametric Methods in Statistics (3 credits)
- STA 4504 (GM) Categorical Data Analysis (3 credits)
- STA 4664 Statistical Quality Control (3 credits)
- ECO 2013 Principles of Macroeconomics (3 credits)
- ECO 2023 Principles of Microeconomics (3 credits)
- RMI 3011 Risk Management and Insurance (3 Credits)

Capstone Experience (3 credits)

Graduation requirement: students must maintain a portfolio according to department guidelines and submit it to their capstone professor.

STA4945 Statistics Capstone (3 Credits)

Prereq: Senior Standing and permission of the department.

Minor Required

Bachelor of Science students majoring in mathematics or statistics must select a minor from among biology, physics, computer science, statistics (for mathematics majors only), chemistry, economics, business, or mathematics (for statistics majors only).

Double majors are exempt from a minor

Major: Music Education

Degree: Bachelor of Music Education

Freshman Year Fall Semester (11 credits)

MUE2040 Foundations of Music Ed (3 Credits)

MUN 2XXX Large Ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MV- 1XXX Applied Music (2 credits)

MVK1111 Class Piano I (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

Freshman Year Spring Semester (8 credits)

MUN 2XXX Large Ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MV- 1XXX Applied Music (2 credits)

MVK1112 Class Piano II (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

Sophomore Year Fall Semester (10 credits)

MUN 2XXX Large Ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MV- 2XXX Applied Music (2 credits)

MVK2121 Class Piano III (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

SELECT 2 credits of Major Electives

Sophomore Year Spring Semester (13 credits)

MUE3392 Music Cls Mgmt Prog Admin (3 Credits)

MUN 2XXX Large Ensemble (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MV- 2XXX Applied Music (2 credits)

MVK2122 Class Piano IV (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

SELECT 2 credits of Major Electives

Junior Year Fall Semester (10 credits)

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUN 3XXX Ensemble Elective (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MV- 3XXX Applied Music (2 credits)

SELECT 2 credits of Major Electives

Junior Year Spring Semester (15 credits)

SELECT One:

- MUE 4331 Teaching Secondary Choral Music (3 credits)
- MUE 4332 Teaching Secondary Instrumental Music (3 credits)

EDF3151 Educational Psychology (3 Credits)

MUH2501 CD- World Music (3 Credits)

MUH3212 Music History II (3 Credits)

MUN 3XXX Ensemble Elective (1 credit)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MV- 3XXX Applied Music (2 credits)

Junior Year Summer Semester (2 credits)

MUE3693 Technology in Music Education (2 Credits)

Senior Year Fall Semester (13 credits)

EDF4744 Assmt. Lrn. & Behav. in Arts

RED4333 Content Area Reading (3 Credits)

TSL4324 TESOL for Content Area Teacher (3 Credits)

MUE4311 Teaching Elementary Music (3 Credits)

SELECT One:

MUG4302 or MUG4202 (2 credits)

- MUG 4302 Advanced Instrumental Conducting (2 credits)
- MUG 4202 Advanced Choral Conducting (2 credits)

Note to students in the accelerated BME to MME path: Up to two courses (6 credits) of the MME program can be taken as part of the undergraduate program as listed below: In the Spring of Junior year, choose one of the following:

- MUE 5336 Teaching Secondary Choral Music Programs (3 credits) instead of MUE 4331 OR
- MUE 5338 Teaching Secondary Instrumental Music Programs (3 credits) instead of MUE 4332 In the fall of the Senior year, choose
- MUE 5316 Teaching Elementary Music Programs (3 credits) instead of MUE 4311

Senior Year Spring Semester (8 credits)

MUE4940 Internship in Music Education (8-15 Credits)

Note students in the accelerated BME to MME path: Up to two courses (6 credits) of the MME program can be taken as part of the undergraduate program, as listed below:

- MUE 5336 Teaching Secondary Choral Music Programs (3 credits) instead of MUE 4331 or
- MUE 5338 Teaching Secondary Instrumental Music Programs (3 credits) instead of MUE 4332 in the fall of senior year, choose MUE 5316 Teaching Elementary Music Programs (3 credits) instead of MUE 4311.

Major: Statistics

Degree: Bachelor of Arts

Prerequisites (26 credits)

All transfer courses require prior approval of department chairperson. A grade of C or better is required in all statistics prerequisites.

MAC2311 (GM) Calculus I (4 Credits)

Prereq: MAC 1147

MAC2312 (GM) Calculus II (4 Credits)

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

SELECT 1 STATISTICS COURSE

- STA

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

- COP

SELECT 2 LAB SCIENCE COURSES

Must be designed for science majors

- BSC CHM PHY GLY

Major Requirements (19 credits)

Grades of C or higher required in all major courses.

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

STA3163 (GM) Statistical Methods I (4 Credits)

Prereq: STA 2014 or STA 2023 or STA 4321

STA3164 (GM) Statistical Methods II (3 Credits)

Prereq: STA 3163

STA4321 (GM) Probability and Statistics (4 Credits)

Prereq: MAC 2312

STA4322 (GM) Statistical Theory (4 Credits)

Prereq: MAC 2313 & STA 4321

Major Electives (12 credits)

Grades of C or higher required in all major electives.

SELECT 4 COURSES FROM THE FOLLOWING

- MAP 4231 Operations Research
- STA 4504 Categorical Data
- MAA 4211 Advanced Calculus I
- MAA 4212 Advanced Calculus II
- MAP 3170 Financial Mathematics for Actuarial Science
- MHF 3202 Foundations of Math
- STA 4202 Design of Experiments
- STA 4222 Design/Sample/Survey
- STA 4664 Statistical Quality Control
- STA 4502 Non-Parametric Methods in Statistics
- STA 4672 Prob. Models w/ App to Actuarial Science
- STA 4853 Stat Techniques for Time Series & Forecasts
- STA 4906 Directed Individual Study

Capstone Experience (3 credits)

Graduation requirement: students must maintain a portfolio according to department guidelines and submit it to their capstone professor.

STA4945 Statistics Capstone (3 Credits)

Prereq: Senior Standing and permission of the department.

Minor Required

A minor is required for this major.*

The minor must be selected from the list of approved minors, including those outside the college of the major.

See List of Minors in the Undergraduate Catalog.

Minors are generally completed during the last 60 hrs of your program. Your minor may require prerequisites, so choosing a minor early is beneficial. See your Advisor to declare a minor.

*(Double majors are exempt from the minor requirement).

Foreign Language/Foreign Cultures

Foreign Language (8 CHs)/Foreign Culture Requirement (6 CHs):
All BA students in the College of Arts and Sciences are required to complete either (i) the Foreign Language option or (ii) the Foreign Culture option, in either case with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one two-course sequence of Spanish, French, Chinese, German, Latin, or American Sign Language.
- The first course in each of the two-course sequences is typically offered in the fall; the second course in each of the two-course sequences is typically offered in the spring.
- To determine whether to enroll in the first or the second course of the two-course French or Spanish sequences, incoming students with prior experience in French or Spanish must take a placement exam. Students who place above the beginning level will satisfy the Foreign Language option by earning a "C" or better in the second French or second Spanish course into which they have placed.
- Students who complete a 3000-level French or Spanish course with a "C" or above have demonstrated the mastery that is required in the two-course French or Spanish sequence and may request retroactive credit for the sequence. The retroactive credit will either be 3 or 6 credits, depending on their placement following the exam.
- This policy applies to Chinese as well, placement being determined by the professor of the program.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 6 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Free Electives (3 credits)

ELECTIVES 3 HOUR (3000/4000 LEVEL)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Major: Music Jazz Studies

Degree: Bachelor of Music

Freshman Year Fall Semester (11 credits)

Jazz guitar majors take only 2 jazz ensembles and 6 jazz guitar ensembles.

MUT1111 Theory I (3 Credits)

MUT1241 Theory I, Aural (1 Credit)

MUN2120 Concert Band (Lower) (0-1 Credits)

MVK1111 Class Piano I (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 Jazz Ensemble-Lower Level (0-1 Credits)

MUT1361 Jazz Fundamentals I (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

TAKE One 1000 level Applied Music

(2 credits)

Freshman Year Spring Semester (11 credits)

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MUN2120 Concert Band (Lower) (0-1 Credits)

MVK1112 Class Piano II (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 Jazz Ensemble-Lower Level (0-1 Credits)

MUT1362 Jazz Fundamentals II (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

TAKE One 1000 level Applied Music

(2 credits)

Sophomore Year Fall Semester (12 credits)

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MUN2710 Jazz Ensemble-Lower Level (0-1 Credits)

MVK2121 Class Piano III (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUT2641 Jazz Improvisation I (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MVJ1010 Jazz Piano I (1 Credit)

MUN4714 Jazz Combo (Small Group) (0-1 Credits)

TAKE One 2000 level Applied Music

(2 credits)

Sophomore Year Spring Semester (12 credits)

MUT2117 Theory IV (3 Credits)

MUT2247 Advanced Aural Theory (1 Credit)

MVK2122 Class Piano IV (1 Credit)

*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 Jazz Ensemble-Lower Level (0-1 Credits)

MUT2642 Jazz Improvisation II (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MVJ1210 Jazz Piano II (1 Credit)

MUN4714 Jazz Combo (Small Group) (0-1 Credits)

TAKE One 2000 Level Applied Music

(2 credits)

Junior Year Fall Semester (15 credits)

MUN4714 Jazz Combo (Small Group) (0-1 Credits)

MUN3713 Jazz Ensemble (0-1 Credits)

MUT3643 Jazz Improvisation III (2 Credits)

MUH3215 West Mus His & Pop Cultures I (3 Credits)

- Students in the BM Jazz Studies degree may substitute MUH3211 Music History I for MUH 3215 Western Music and Popular Cultures I with the permission of the instructor.

MUT4365 Jazz Arranging I (3 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUM3701 The Music Business (3 Credits)

TAKE One 3000 level Applied Music

(2 credits)

Junior Year Spring Semester (12 credits)

The department recommends taking a Cultural Diversity for General Education requirements.

MUN4714 Jazz Combo (Small Group) (0-1 Credits)

MUN3713 Jazz Ensemble (0-1 Credits)

MUT3644 Jazz Improvisation Iv (2 Credits)

MUH3216 West Mus His & Pop Cultures II (3 Credits)

- Students in the BM Jazz Studies degree may substitute MUH3212 Music History II for MUH 3216 Western Music

History and Popular Cultures II with the permission of the instructor.

MUT4366 Jazz Arranging II (3 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

TAKE One 3000 Level Applied Music

(2 credits)

Senior Year Fall Semester (13 credits)

The department recommends taking a Natural Science with lab for General Education Requirements.

MUT4663 Jazz Styles and Analysis I (2 Credits)

MUG3104 Basic Conducting (2 Credits)

MUS3340 Computer MIDI Score (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

SELECT 3 HRS MUSIC ELECTIVES

- 3000/400 Level
- MUS MUT MUN MUE MUG MUO MUH MUM MVB MVJ MVK
MVS MVV MVW

MUN3713 Jazz Ensemble (0-1 Credits)

MUN4714 Jazz Combo (Small Group) (0-1 Credits)

TAKE One 4000 level Applied Music

(2 credits)

Senior Year Spring Semester (6 credits)

The department recommends taking a Natural Science and Philosophy for General Education requirements.

MUT4664 Jazz Styles and Analysis II (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MUS4970 Senior Recital (0 Credits)

MUN3713 Jazz Ensemble (0-1 Credits)

MUN4714 Jazz Combo (Small Group) (0-1 Credits)

TAKE One 4000 level Applied Music

(2 credits)

Major: Statistics

Degree: Bachelor of Science

Prerequisites (26 credits)

All transfer courses require prior approval of department chairperson. A grade of C or better is required in all statistics prerequisites.

MAC2311 (GM) Calculus I (4 Credits)

Prereq: MAC 1147

MAC2312 (GM) Calculus II (4 Credits)

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

SELECT 1 STATISTICS COURSE

- STA

SCIENTIFIC COMPUTER PROGRAMMING COURSE

Department recommends a computer programming language course in PASCAL, FORTRAN, C, C+, C++

- COP

SELECT 2 LAB SCIENCE COURSES

Must be designed for science majors

- BSC CHM PHY GLY

Major Requirements (19 credits)

Grades of C or higher required in all major courses.

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

STA3163 (GM) Statistical Methods I (4 Credits)

Prereq: STA 2014 or STA 2023 or STA 4321

STA3164 (GM) Statistical Methods II (3 Credits)

Prereq: STA 3163

STA4321 (GM) Probability and Statistics (4 Credits)

Prereq: MAC 2312

STA4322 (GM) Statistical Theory (4 Credits)

Prereq: MAC 2313 & STA 4321

Major Electives (15 credits)

Grades of C or higher required in all major electives.

SELECT 5 COURSES FROM THE FOLLOWING:

- STA 4504 Categorical Data
- MAA 4211 Advanced Calculus I
- MAA 4212 Advanced Calculus II
- MAP 3170 Financial Mathematics for Actuarial Science
- MAP 4231 Operations Research
- MHF 3202 Foundations of Math
- STA 4202 Design of Experiment
- STA 4222 Design/Sample/Survey
- STA 4664 Statistical Quality Control
- STA 4502 Non-Parametric Methods in Statistics
- STA 4672 Prob. Models w/ App to Actuarial Science
- STA 4853 Stat Techniques for Time Series & Forecasts

Capstone Experience (3 credits)

Graduation requirement: students must maintain a portfolio according to department guidelines and submit it to their capstone professor.

STA4945 Statistics Capstone (3 Credits)

Prereq: Senior Standing and permission of the department.

Minor Required

Bachelor of Science students majoring in mathematics or statistics must select a minor from among biology, physics, computer science, statistics (for mathematics majors only), chemistry, economics, business, or mathematics (for statistics majors only). Double majors are exempt from a minor

Free Electives (8 credits)

ELECTIVES 8 HRS (3000/4000 LEVEL)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Minor: African Amer Studies/Diaspora

Minor: African Amer Studies/Diaspora (15 credits)

No more than 6 semester hours, or 2 course carrying lower level numbers may be used in the minor.

A minimum of 9 semester hours must be taken at UNF.

A grade of C or better is required for all minor courses.

AFS3262 African Diaspora (3 Credits)

SELECT 4 COURSES FROM THE FOLLOWING:

- ANT 3340 Anthropology of the West Indies (3 credits)
- ANT 4352 Peoples & Cultures of Africa (3 credits)
- CCJ 4662 Minorities & Crime (3 credits)
- CJE 4211 Hate Crimes (3 credits)
- AFH 3450 South Africa (3 credits)
- AMH 3170 African American History since 1865 (3 credits)
- AMH 3672 Atlantic Slave Trade (3 credits)
- AMH 3673 The Civil Rights Movement (3 credits)
- AML 3621 Black American Literature (3 credits)
- GEO 2420 Cultural Geography (3 credits)
- LAS 3020 Peoples and Cultures of the Caribbean (3 credits)
- MUH 2018 The Evolution of Jazz (3 credits)
- MUH 3055 African American Musical Heritage (3 credits)
- SYD 3700 Racial & Cultural Minorities (3 credits)
- SYG 2013 Sex, Race, & Social Class (3 credits)
- ECP 2140 Race & Gender in the American Economy (3 credits) Equivalent courses, including directed independent studies, can serve as electives with the program director's approval.

Minor: Law and Philosophy

Minor: Law and Philosophy (15 credits)

Of the total 15 hours for the minor, 12 must be upper level.

A minimum of 6 semester hours in philosophy must be taken at UNF.

6 semester hours may be transferred towards the minor.

A grade of C or better is required for all minor courses.

Germany Today, The Japanese Mind, and The Greek Experience cannot be used as part of the philosophy minor.

SELECT 1 OF THE FOLLOWING:

- PHI 3601 Ethics
- PHM 3304 Political Philosophy

SELECT 4 FROM THE FOLLOWING:

- PHI 3632 Ethics of Sex & Gender
- PHI 3670 Moral Conflict
- PHI 3930 ST: Philosophy
- PHM 3050 Ethical Issues in Death & Dying
- PHM 3100 Social Philosophy
- PHM 3361 Philosophy of Democracy
- PHM 3362 Global Justice
- PHM 3400 Philosophy of Law
- PHM 4340 Contemporary Political Philosophy

Minor: Ancient Studies

Minor: Ancient Studies (15 credits)

Nine credit hours must be taken at UNF. Nine credit hours must be upper level (3000/4000) A grade of C or better is required for all minor courses.

SELECT 1 FROM THE FOLLOWING

- EUH 3403 Ancient Greece (3 credits)
- EUH 3411 Ancient Rome (3 credits)
- ASH 3200 Ancient Near East (3 credits)
- PHH 3820 Chinese Philosophy (3 credits)
- PHI 3XXX Philosophies of India (3 credits)

SELECT. 4 COURSES FROM THE FOLLOWING

(3 MUST BE TAKEN FROM DIFFERENT PREFIXES)

- AFH 3100 Ancient Africa to 1850 (3 credits)
- AFH 3XXX Ancient Egypt (3 credits)
- ASH 3201 Ancient Israel (3 credits)
- CLT 4110 Classical Background of Western Literature (3 credits)
- EUH 3013 Greek and Roman Myth (3 credits)
- EUH 3403 Ancient Greece (3 credits)
- EUH 3411 Ancient Rome (3 credits)
- LAT 1120 Beginning Latin I (4 credits)
- LAT 1121 Beginning Latin II (4 credits)
- PHH 3100 Ancient Greek Philosophy (3 credits)
- PHH 3120 Greek Experience (3 credits)
- PHH 3104 Socrates & the Sophists (3 credits)
- PHH 4121 Ancient Greek Ethics (3 credits)
- ASH 3200 Ancient Near East (3 credits)
- PHH 3201: Jewish and Islamic Philosophy in the Classical Tradition (3 credits)
- PHH 3810/REL 3340: Introduction to Buddhism (3 credits)
- PHH 3820: Chinese Philosophy (3 credits)
- PHH 3860: Japanese Philosophy (3 credits)
- PHH 4821/REL 4353: Confucianism (3 credits)
- PHI 3XXX: Philosophies of India (3 credits)
- PHI 3935 Ancient Philosophy: Selected Topics (3 credits)

EUH 4103 From Homer to Herodotus (3 credits)

- EUH 4408 Alexander the Great (3 credits)
- ARH 3130 The Art and Architecture of Ancient Greece (3 credits)
- ARH 3130 The Art and Architecture of Ancient Rome (3 credits)
- REL 3074: Myths and Rituals (3 credits)
- REL 3213: Hebrew Bible/Old Testament (3 credits)
- REL 3241: New Testament (3 credits)
- REL 3293: Selected Topics: Biblical/Scriptural Studies (3 credits)
- REL 3330: Religions of India (3 credits)

Students may also select special topics courses approved by the Ancient Studies faculty to meet the above requirement.

Minor: Literature

Minor: Literature (15 credits)

The literature minor is for students who wish to increase their knowledge of important authors, texts, and contexts. Students with aspirations toward fully understanding and appreciating the English-language literary tradition from its origins to the present will be well served by this minor, as will students who wish to develop critical reading and writing abilities necessary for graduate study of literature as well as law, business, and other fields in which a clear comprehension of complex rhetoric and communication is essential. The Literature minor will be especially attractive to English majors, majors in other overlapping areas in the humanities such as History and Philosophy, and all students with interdisciplinary interests that include literature.

SELECT. THREE FROM THE FOLLOWING FOUR

- AML2010: American Literature I (3 credits)
- AML2020: American Literature II (3 credits)
- ENL2012: British Literature I (3 credits)
- ENL2022: British Literature II (3 credits)

SELECT.. ONE 3000/4000 LEVEL ELECTIVE

Elective must be focused on the early period, approved by advisor (may be single-author, theme-based, etc.), with the following prefixes: AML, ENL, LIT, or ENG

SELECT 1 3000/4000 LEVEL ELECTIVE

Elective must be focused on the late period, approved by advisor (may be single-author, theme-based, etc.), with the following prefixes: AML, ENL, LIT, or ENG

Minor: Anthropology

Minor: Anthropology (15 credits)

No more than 6 semester hours, or 2 courses, may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course may be at the lower division.

A grade of C or better must be earned in each minor course.

SELECT 5 ANT COURSES (2000/3000/4000)

Minor: Mass Communication

Minor: Mass Communication (15 credits)

Courses must be taken in sequence. A prerequisite course must be completed before the course that requires the prerequisite.

Written permission from the department chair is required to override either of these policies.

No more than 6 semester hours of transfer courses may be used in the minor.

3 hours of lower level courses may be used.

A grade of C or better is required in all minor courses and prerequisites.

Majors in Communication may not pursue minors in either of the two communication minors.

MMC1004 Media Literacy (3 Credits)

MMC3105 Advanced Writing For The Media (3 Credits)

MMC3614 Media Theories and Effects (3 Credits)

SELECT 2 FROM THE FOLLOWING:

- ADV 3008 Principles of Advertising (3 credits)
- MMC 4500 History of Mass Communication (3 credits)
- PUR 3000 Principles of Public Relations (3 credits)
- MMC 3200 Law & Ethics in Communications (3 credits)
- RTV 3000 Principles of Broadcasting (3 credits)
- SPC 4064 Public Speaking for Professionals (3 credits)
- JOU 3109 Multimedia Reporting (3 credits)
- PUR 3100 Public Relations Writing (3 credits)
- ADV3101 Advertising Creative Strategy (3 credits)

Minor: Applied Statistics

Minor: Applied Statistics (19 credits)

A grade of C or better is required for all minor courses.

Requests for transfer courses must be approved by the department chairperson.

PREREQ REQUIREMENT

Select 1 Course From:

- STA 2014 Elementary Statistics for Health & Social Sciences
- STA 2023 Elementary Statistics for Business

STA3163 (GM)Statistical Methods I (4 Credits)

Prereq: MAC 1105 or MAC 1147

STA3164 (GM)Statistical Methods II (3 Credits)

Prereq: STA 3163

SELECT 3 FROM THE FOLLOWING:

- STA 4202 Design of Experiments
- STA 4222 Design of Sample Surveys
- STA 4502 Nonparametric Methods in Statistics
- STA 4504 Categorical Data Analysis
- STA 4664 Statistical Quality Control
- STA 4906 Directed Individual Studies
- STA 4930 ST: Statistics
- STA 4853 Statistical Techniques for Time Series and Forecasts

Minor: Math for non-math majors

Minor: Math for non-math majors (25 credits)

Students may transfer in Calculus II and Ordinary Differential Equations as part of the minor courses.

A grade of C or better is required for all minor courses and prerequisites.

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

SELECT 6 TO 8 HRS FROM THE FOLLOWING:

- MAA 4211 Advanced Calculus I (4 Credits)
- MAA 4212 Advanced Calculus II (3 Credits)
- MAA 4402 Complex Analysis (3 Credits)
- MAD 3107 Discrete Mathematics (3 Credits)
- MAD 4401 Numerical Analysis (3 Credits)
- MAP 3170 Financial Mathematics for Actuarial Science (3 Credits)
- MAP 4231 Operations Research (3 Credits)
- MAP 4341 Elementary Partial Differential Equations (3 Credits)
- MAS 3203 Number Theory (3 Credits)
- MAS 4156 Vector Analysis (3 Credits)
- MAS 4301 Abstract Algebra I (4 Credits)
- MHF 3202 Foundations of Mathematics (4 Credits)
- MHF 3404 History of Mathematics (3 Credits)
- MTG 3212 Modern Geometry (3 Credits)
- MTG 4302 Elementary Topology (3 Credits)
- STA 4321 Probability & Statistics (3 Credits)
- STA 4322 Statistical Theory (4 credits)
- STA 4672 Probability Models with Applications to Actuarial Science (3 credits)
- MAP 4103 Mathematical Modeling (3 Credits)
- MAP 4314 Dynamical Systems (3 Credits)

Minor: Art History

Minor: Art History (15 credits)

A minimum of 50% of the courses required for any fine arts minor must be taken at UNF.

A minimum of 9 semester hours of upper level courses is required for the art history minor.

A grade of C or better is required for all minor courses.

Courses used in the art major may not be duplicated in any of the art minors. Instead substitute courses will be required.

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

SELECT 3 ART HIST COURSES (3000/4000)

- ARH

Minor: Mathematical Science

Minor: Mathematical Science (15 credits)

Minor: Mathematics Minor for BS Statistics Majors

Courses used for the major cannot count in the minor.

A grade of C or better is required for all minor courses and prerequisites.

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

MAD4401 (GM) Numerical Analysis (3 Credits)

SELECT 3 FROM THE FOLLOWING:

- MAA 4211 Advanced Calculus I (4 Credits)
- MAA 4212 Advanced Calculus II (3 Credits)
- MAA 4402 Complex Analysis (3 Credits)
- MAD 3107 Discrete Mathematics (3 Credits)
- MAD 4203 Combinatorics (3 credits)
- MAD 4301 Graph Theory (3 credits)
- MAD 4505 Discrete Biomathematics (3 credits)
- MAP 3170 Financial Mathematics for Actuarial Science (3 Credits)
- MAS 3203 Number Theory (3 Credits)
- MAS 4156 Vector Analysis (3 Credits)
- MAS 4301 Abstract Algebra I (4 Credits)
- MAS 4302 Abstract Algebra II (3 Credits)
- MHF 3202 Foundations of Mathematics (4 Credits)
- MHF 3404 History of Mathematics (3 Credits)
- MTG 3212 Modern Geometry (3 Credits)
- MTG 4302 Elementary Topology (3 Credits)
- MAP 4231 Operations Research (3 Credits)
- MAP 4103 Mathematical Modeling (3 Credits)
- MAP 4314 Dynamical Systems (3 Credits)

Minor: Mathematical Science (15 credits)

Minor: Mathematics Minor for BA Statistics Majors

Courses used for the major cannot count in the minor.

A grade of C or better is required for all minor courses and prerequisites.

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

MAD4401 (GM) Numerical Analysis (3 Credits)

SELECT 3 courses from the following:

- MAA 4211 Advanced Calculus I (4 credits)
- MAA 4212 Advanced Calculus II (3 credits)
- MAA 4402 Complex Analysis (3 credits)
- MAD 3107 Discrete Mathematics (3 credits)
- MAD 4203 Combinatorics (3 credits)
- MAD 4301 Graph Theory (3 credits)
- MAD 4505 Discrete Biomathematics (3 credits)
- MAP 3170 Financial Mathematics for Actuarial Science (3 Credits)
- MAP 4103 Mathematical Modeling (3 credits)
- MAP 4231 Operations Research (3 credits)
- MAP 4314 Dynamical Systems (3 credits)
- MAP 4341 Elementary Partial Differential Equations (3 credits)
- MAS 3203 Number Theory (3 credits)
- MAS 4156 Vector Analysis (3 credits)
- MAS 4301 Abstract Algebra I (4 credits)
- MAS 4302 Abstract Algebra II (3 credits)
- MHF 3202 Foundations of Mathematics (4 credits)
- MHF 3202 History of Mathematics (3 credits)
- MTG 3212 Modern Geometry (3 credits)
- MTG 4302 Elementary Topology (3 credits)

Minor: Asian Studies

Minor: Asian Studies (15 credits)

A minimum of 6 hours must be taken at UNF. No more than six semester hours of language credit may be counted toward the minor. With the approval of the Asian Studies minor advisor, independent studies and other relevant courses may be counted for credit. In some cases, the Introduction to Asia requirement may be waived.

A grade of C or better is required in all minor courses.

ASN2003 (CD) Introduction to Asia (3 Credits)

SELECT 4 FROM THE FOLLOWING:

- ASH 3620 Asian Art & Culture (3 credits)
- ASH 3440 Japanese Civilization (3 credits)
- ASH 3337 Gandhi/Modern India (3 credits)
- PHH 3860 The Japanese Mind (3 credits)
- PHH 3820 Chinese Philosophy (3 credits)
- PHH 3811 The Philosophy of Zen Buddhism (3 credits)
- ASN 3106 Women and Gender in East Asia (3 credits)
- PHI 3932 Special Topics in Asian Thought and Practice (3 credits)
- ASH 3404 Modern China (3 credits)
- ASH 3402 Traditional China (3 credits)
- ASH 3401 Contemporary China (previous course title Beyond Chairman Mao) (3 credits)
- PHI 3664 Ethics East and West (3 credits)
- REL 3310 Asian Religions (3 credits)
- REL 3330 Religions of India (3 credits)
- CHI 1120 Beginning Chinese I (4 credits)
- CHI 1121 Beginning Chinese II (4 credits)
- CHI 2200 Intermediate Chinese I (3 credits)
- CHI 2201 Intermediate Chinese II (3 credits)

Minor: Painting, Drawing, Printmaking

Minor: Painting, Drawing, Printmaking (24 credits)

A minimum of 50% of the courses required for any fine arts minor must be taken at UNF.

Courses taken with lower-level numbers may be used as part of the minor, but a minimum of 9 semester hours in upper-level courses is required for all minors.

Courses used in the art major may not be duplicated in any of the art minors. Instead, substitute courses will be required.

Courses must be taken in sequence. If a course is a prerequisite for a second course, they may not be taken at the same time.

Written permission from the department chair is required to override either of these policies.

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

ART1201C Two-Dimensional Design (3 Credits)

ART1205C Color Theory (3 Credits)

SELECT 2 ART ELECTIVES (3000/4000)

- ART

SELECT 1 ART HISTORY (3000/4000)

- ARH

CHOOSE ONE FROM THE FOLLOWING:

- ART 2500C Painting I
- ART 2330C Figure Drawing
- ART 2400C Intro to Printmaking

Minor: Biology

Minor: Biology (15 credits)

Two courses (up to 8 credit hours) may be transferred with prior approval of the department chairperson.

A cumulative average of 2.5 is required.

All 15 semester hours must be upper-level course work.

SELECT 15 HOURS (3000/4000) FROM:

- BCH BOT BSC MCB OCB OCE PCB ZOO

Minor: Philosophy

Minor: Philosophy (15 credits)

A minimum of 6 semester hours in philosophy must be taken at UNF.

6 semester hours may be transferred towards the minor.

A grade of C or better is required for all minor courses.

PHI 3930 Germany Today and PHI 3120 The Greek Experience cannot be used as part of the philosophy minor.

PHI3084 Philosophical Methods (3 Credits)

SELECT 12 additional credits

in philosophy, 9 credits must be upper level philosophy courses.

Minor: Ceramics

Minor: Ceramics (18 credits)

A minimum of 50% of the courses required for any fine arts minor must be taken at UNF.

Courses taken with lower-level numbers may be used as part of the minor, but a minimum of 9 semester hours in upper-level courses is required for all minors.

Courses used in the art major may not be duplicated in any of the minors. Instead, substitute courses will be required.

Courses must be taken in sequence. If a course is a Prerequisite for a second course, they may not be taken at the same time.

Written permission from the department chair is required to override either of these policies.

ART3786C Ceramics (3 Credits)

BFA Majors may choose substitutions for ART 2203C from the following list of art electives.

ART2203C Three-Dimensional Design (3 Credits)

CHOOSE 2 ART ELECTIVES FROM BELOW

(6 CREDITS)

- ART 3707C Sculpture I (3 Credits)
- ART 1300C Drawing I (3 Credits)
- ART 3786C Ceramics (3 Credits) Repeatable once
- ART 3765C Ceramics: Intermediate (3 Credits)
- ART 1201C Two-Dimensional Design (3 Credits)
- PGY 2401C Black and White Photography (3 Credits)
- ART 2500C Painting Fundamentals (3 Credits)
- ART 2400C Intro to Printmaking (3 Credits)

Non Art Majors must choose one from the following art history courses:

- ARH 3453 Postwar Art: 1940 – 1980 (3 Credits)
- ARH 3475 Contemporary Art: 1980 to Present (3 Credits)

CHOOSE TWO FROM THE FOLLOWING

(6 CREDITS)

- ART 3765C Ceramics: Intermediate (3 Credits)
- ART 4768C Advanced Ceramics (3 Credits) Repeatable once

Minor: Photography

Minor: Photography (18 credits)

A minimum of 50% of the courses required for any fine arts minor must be taken at UNF.

A minimum of 12 semester hours of upper level courses is required for the photography minor.

A grade of C or better is required for all minor courses.

Courses used in the art major may not be duplicated in any of the art minors. Instead substitute courses will be required.

Courses must be taken in sequence. If a course is a prerequisite for a second course, they may not be taken at the same time.

Written permission from the department chair is required to override either of these policies.

PGY2401C Introduction to Photography (3 Credits)

PGY3410C Intermediate Photography (3 Credits)

PREREQ: PGY 2401C

PGY3820C Intro to Digital Imaging (3 Credits)

ARH4710 History of Photography (3 Credits)

SELECT 2 PGY 3000-4000 level courses

(May require additional pre-requisites and/or permission from instructor.)

Minor: Chemistry

Minor: Chemistry (23 credits)

All courses required for the minor may be transferred with prior approval of the department chairperson.

A grade of C or better is required in all courses along with a cumulative average of at least 2.5 for the entire minor.

CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab

CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab

CHM3120 Quantitative Analytical Chem (3 Credits)

CHM3120L Quant Analytical Chem Lab (1 Credit)

ORGANIC_1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

SELECT 7 HOURS FROM THE FOLLOWING:

- CHM 2211 Organic Chemistry II (3 Credits)
- CHM 2211L Organic Chemistry II Lab (1 Credit)
- CHM 3260 Advanced Organic Chemistry (3 Credits)
- CHM 3610 Inorganic Chemistry (3 Credits)
- CHM 3610L Inorganic Chemistry Lab (1 Credit)
- BCH 4033 Biochemistry (3 Credits)
- BCH 4033L Biochemistry Lab (1 Credit)
- CHM 4130 Modern Analytical Chemistry (3 Credits)
- CHM 4130L Modern Analytical Chemistry Lab (1 Credit)
- CHM 4410 Physical Chemistry I (3 Credits)
- CHM 4410L Physical Chemistry I Lab (1 Credit)
- CHM 4411 Physical Chemistry II (3 Credits)
- CHM 4411L Physical Chemistry II Lab (1 Credit)
- CHS 4445 Environmental Chemistry (3 Credits)
- CHS 4445L Environmental Chemistry Lab (1 Credit)
- CHM 4620 Advanced Inorganic Chemistry (3 Credits)

- CHM 4930 ST: Chemistry (1-4 Credits)
- CHM 4200 Solid State Chemistry (3 Credits)

Minor: Child Welfare

Minor: Child Welfare (18 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course carrying lower division numbers may be used to satisfy any minor requirement.

A grade of C or better is required for all minor courses.

SOW2031 Intro to Soc Welfare/Soc Work (3 Credits)

SOW4651 Child Abuse and Neglect (3 Credits)

SOW4724 Child Welfare Practice (3 Credits)

- Prerequisite: SOW 4651
SOW 4XXX Child Welfare Practicum
- Prerequisite: SOW 4651
- Corequisite: SOW 4724

SELECT 2 FROM THE FOLLOWING:

- SOW 3213 Social Welfare Policy(3 credits)
- SOW 3620 Social Work with Diverse Groups (3 credits)
- SOW4122 Inside the Asylum (3 credits)
- SOW 4352 Principles of Social Service Provision (3 credits)
- SOW 4602 Social Work in Health Care (3 credits)
- SOW 4700 Substance Abuse and Social Work Practice (3 credits)
- SOW 4794 Social Work with Immigrants and Refugees (3 credits)
- SOW 4905 Directed Independent Study “ Social Work (3 credits)
- SOW 4930 Special Topics in Social Welfare (3 credits)
- SYO 3110 Sociology of Sexualities (3 credits)
- SYO 4100 Sociology of Family (3 credits)
- SYP 3570 Deviance & Social Control (3 credits)

Minor: Political Campaigns

Minor: Political Campaigns (15 credits)

A grade of C or higher is required in all minor coursework. Only 2 courses or 6 semester hours may be transferred in to satisfy minor requirements. No more than 1 course or 3 semester hours at the lower level may apply toward the minor. Students with previous significant, documented campaign experience can petition the Chair of the Department of Political Science and Public Administration for a waiver of the internship requirement, to be substituted with a minor elective from the list below.

CORE REQUIREMENTS (9 CREDITS)

- POS 3444 Parties, Campaigns, and Elections (3 Credits)
- POS 4945 Internship/Field Experience (3 Credits)
- POS 4750 Suvery Research (3 Credits)

MINOR ELECTIVES (6 CREDITS)

SELECT 2 FROM THE FOLLOWING

- ADV 3008 Principles of Advertising (3 Credits)
- ADV 3101 Advertising Creative Strategy (3 Credits)
- INR 3102 Real World Policy (3 Credits)
- MMC 3402 Political Advertising (3 Credits)
- POS 3114 Issues in State and Local Government (3 Credits)
- POS 3142 Politics and Policy in Urban Government (3 Credits)
- POS 3235 Governement and Mass Media (3 Credits)
- POS 3413 THE American President (3 Credits)
- POS 3424 Congress and Legislative Process (3 Credits)
- POS 4905 Directed Individual Study (1-4 credits)
- PUP 4003 The Policy-Making Process (3 Credits)
- PUR 3000 Principles of Public Relations (3 Credits)
- PUR 3100 Public Relations Writing
- PUR 4400 Crisis Communications (3 Credits)
- PUR 4450 Public Relations and Event Planning (3 Credits)
- RTV 3601 Multimedia Announcing and Performance (3 Credits)

Minor: Chinese

Minor: Chinese (15 credits)

The Chinese minor consists of 15 credit hours above the beginning level: Intermediate Chinese I, Intermediate Chinese II and 3 additional 3000 or 4000 level CHI or CHW electives. Students who place at the 3000 level with Languages, Literatures and Cultures department permission may apply for retroactive credit for Intermediate Chinese I and Intermediate Chinese II (see policy on Placement and Retroactive Credit). At least 3 upper-level courses (9 semester hours) must be completed at UNF. A grade of "C" or better is required for all minor courses. Students may count a maximum of one of the following courses taught in English toward the Chinese minor:

- CHT 3500 Chinese Language and Culture
- ASH 3402 Traditional China
- ASH 3401 Contemporary China
- PHH 3820 Chinese Philosophy
- PHH 3811 The Philosophy of Zen Buddhism

SELECT 5 CHINESE COURSES

Note: Native/Heritage speakers of Chinese must first consult with a member of the Chinese faculty or the chair of Languages, Literatures and Cultures for appropriate courses to take a Chinese electives.

Minor: Political Science

Minor: Political Science (15 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

A grade of C or better is required in all minor courses.

POS2041 Intro to American Government (3 Credits)

SELECT 4 COURSES (3000/4000)

- CPO INR PAD POS POT PUP

Minor: Communication Studies

Minor: Communication Studies (15 credits)

No more than 6 semester hours of transfer courses can be used for the minor.

A grade of C or better is required in all minor courses and prerequisites.

Majors in Communication may not pursue minors in either of the two communication minors.

Prerequisites must be completed before a second course that requires that prerequisite.

COM3003 Prin of Comm Studies (3 Credits)

SPC2608 Fundamentals of Speech (3 Credits)

SELECT AT LEAST 1 FROM THE FOLLOWING:

- COM 3120 Organizational Communication (3 credits)
- COM 3042 Interpersonal Communication (3 credits)
- COM 3332 Mediated Communication (3 credits)

SELECT 2 FROM THE FOLLOWING:

- MMC 2701 Communication Across Cultures (3 credits)
- COM 4430 International Communication (3 credits)
- COM 3440 Small Group Communication (3 credits)
- COM 3346 Interviewing: Theories & Methods (3 credits)
- COM 4411 Communication & Popular Culture (3 credits)
- COM 4022 Theory & Research Methods in Health Communication (3 credits)
- COM 4930 Special Topics in Communication Studies (3 credits)
- COM3752 Listening (3 credits)
- COM 4044 Lying and Deception (3 credits)
- COM 4301 Communication Theory and Research Methods (3 credits)
- COM 4373 Consequences of Cyberculture (3 credits)
- COM 4561 Strategic Social Media (3 credits)
- SPC 3540 Theories of Persuasion (3 credits)

Minor: Professional & Public Writing

Minor: Professional & Public Writing (15 credits)

The Department of English offers a minor in Professional and Public Writing to prepare students to write confidently and effectively in professional situations and for public and community action. Students can choose to focus on professional writing, where they analyze and produce genres required by employers; public writing, where they study and engage in meaningful social action through written and digital texts; or a combination of courses tailored to students' own interests.

- Prerequisites: Three general education writing courses, or equivalents.
- Requirements: Students taking a minor in Professional and Public Writing will complete five upper-level courses for a requirement of fifteen credit hours. With prior approval from the English department students may elect one writing course from another department. All courses must be passed with a grade of C or higher.

ENC3310 (GW) Writing Prose (3 Credits)

SELECT 2 from Group A: Prof Writing

- ENC 3250 Professional Communication (3 credits)
- ENC 3212 Copyediting (3 credits)
- ENC 4260 Applied Technical Writing (3 credits)
- ENC 4403 Grant Writing (3 credits)
- ENC 4930 Writing Internship (3 credits)

SELECT_ 2 from Group B:Public Writing

- ENC 3375 Introduction to Fandom Studies (3 credits)
- ENC 4331 Writing, Rhetoric and Community (3 credits)
- ENC 4415 Rhetoric in the Digital Humanities (3 credits)
- ENC 4436 Writing as Social Action (3 credits)
- ENC 4944 Digital Humanities Internship (3 credits)

Minor: Creative Writing

Minor: Creative Writing (15 credits)

In this program, students will develop their creative talents by analyzing the work of both canonical and non-canonical writers; understanding and practicing varied techniques and styles; developing and revising work for peer review; critiquing peer work in workshop ; and preparing work for submission to recognized journals, contests, and graduate programs.

The creative writing minor enhances any major. In addition to providing students with advanced writing skills, this minor provides the opportunity to explore and develop creative potentials in art, science, health, education, communications, business, film and media, and the law, among many other fields.

A grade of C or better is required for all minor courses.

CATEGORY A (3-6 Credits)

Students may choose at least one and up to two of the following:

- CRW 2000 Intro to Creative Writing (3 credits)
- CRW 2100 Intro to Fiction Writing (3 credits)
- CRW 2201 Intro to Creative Nonfiction (3 credits)
- CRW 2300 Intro to Poetry Writing (3 credits)
- CRW 2400 Intro to Playwriting (3 credits)
- CRW 2600 Intro to Screenwriting (3 credits)
- CRW 2930 Special Topics in Creative Writing (3 credits)

CATEGORY_ B (9-12 credits)

Students must choose at least three and may choose up to four of the following courses (each of which may be repeated for up to 9 credit hours):

- CRW 3110 Fiction Workshop (3 credits)
- CRW 3211 Creative Nonfiction Workshop (3 credits)
- CRW 3310 Poetry Workshop (3 credits)
- CRW 3610 Screenwriting Workshop (3 credits)
- CRW 3742 Integrative Arts Workshop (3 credits)
- CRW 3743 Contexts and Constraints: A Workshop in

Interdisciplinary and Innovative Writing (3 credits)

- CRW 3XXX Genre Writing Workshop (3 credits)
- CRW 3XXX Image/Text Workshop (3 credits)
- CRW 3930 Special Topics (3 credits)
- CRW 4924 Adv. Creative Writing Seminar (3 credits)
- CRW 4XXX Advanced Fiction Workshop (3 credits)
- CRW 4XXX Advanced Creative Nonfiction Workshop (3 credits)
- CRW 4XXX Advanced Poetry Workshop (3 credits)
- CRW 4XXX Advanced Screenwriting Workshop (3 credits)

Courses used in the English Major may not be used to satisfy requirements for the Creative Writing Minor. A minimum of 12 credits must be taken at UNF.

Minor: Psychology

Minor: Psychology (18 credits)

Students must complete the PSY 2012 (General Psychology) prerequisite in order to minor in psychology.

No more than 50% of the courses required for the minor may be transferred in from another institution.

No more than 3 hrs of lower-level credit may be used to fulfill the minor.

A grade of C or better is required for all minor courses, including prerequisites.

PSY2012 Introduction to Psychology (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CLP 4143 Psychology of Abnormal Behavior
- DEP 3054 Lifespan Developmental Psychology
- PPE 4003 Personality Theories
- SOP 3004 Social Psychology

SELECT 1 FROM THE FOLLOWING:

- EXP 3412 Learning Theory
- PSB 3002 Behavioral Neuroscience
- PSY 3213 Research Methods in Psychology (previously PSY 3214)
- PSY 4604 History of Psychology

SELECT 3 COURSES FROM (3000/4000)

- CBH CLP DEP EAB EXP INP PCO PPE PSY SOP PSB

Minor: Criminal Justice

Minor: Criminal Justice (15 credits)

No more than 6 semester hours, or 2 courses, may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course carrying lower level numbers may be used to satisfy any minor requirement.

A grade of C or better is required for all minor courses and prerequisites.

CCJ3023 Intro to Criminal Justice (3 Credits)

CCJ3014 Criminological Theory (3 Credits)

CJL4310 Criminal Law and Procedures I (3 Credits)

SELECT 2 COURSES FROM: (3000/4000)

- CCJ CJC CJJ CJL CJT

Minor: Public Administration

Minor: Public Administration (24 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

A grade of B or higher is required for all Fast Track minor courses. Students in the UNF undergraduate Political Science Major, as well as other UNF majors, may apply for admission to the undergraduate Public Administration Fast Track minor. Admitted students take 12 credits MPA classes which count both toward the undergraduate Political Science major, and the MPA program. Tuition is charged at the graduate rate.

The Public Administration Fast Track undergraduate minor does not guarantee admission to the MPA program. Subsequent application for admission to the Master of Public Administration program, admission requirements for the program must also be met. Fast Track MPA students will need 33 graduate credits to complete the MPA, with PAD6106 Admin. Behavior in Public Organizations waived from the core requirements. Eligibility: Students who have

- completed 90 undergraduate hours
- completed 15 undergraduate hours in Political Science
- attained a minimum undergraduate GPA of 3.0 in the students's undergraduate major
- attained a minimum undergraduate GPA of 3.0 overall

The Public Administration Fast Track undergraduate minor does not guarantee admission to the MPA program. However students admitted to the Public Administration Fast Track undergraduate minor who achieve grades of B or better in all MPA classes taken as an undergraduate can expect to be admitted to the MPA, so long as other admission requirements for the program are also met.

PREREQS (12 Credits)

POS 2041 American Government (3 Credits)

POS3733 Research Design for Poli Sci (3 Credits)

POS3734 Research Analysis for Poli Sci (3 Credits)

PAD4003 Public Administration (3 Credits)

MINOR REQUIREMENTS (12 Credits)

PAD6060 Public Admin in Modern Society (3 Credits)

SELECT TWO MPA CORE CLASSES BELOW

- PAD 6106 Administration Behavior in Public Organizations (3 Credits)
- PAD 6436 Ethics, Leadership and Accountability in Public Service (3 Credits)
- PAD 6417 Human Resources for Public and Nonprofit Management (3 Credits)
- PAD6227 Government Budget and Finance (3 Credits)

SELECT_ ONE (3 Credits)

elective or concentration class with approval of the MPA Director.

Minor: Culture and Philosophy

Minor: Culture and Philosophy (15 credits)

Of the total 15 hours for the minor, 12 must be upper level.

A minimum of 6 semester hours in philosophy must be taken at UNF.

6 semester hours may be transferred towards the minor.

A grade of C or better is required for all minor courses.

Germany Today, The Japanese Mind, and The Greek Experience can not be used as part of the philosophy minor.

PHI3800 Aesthetics (3 Credits)

SELECT 4 COURSES FROM THE FOLLOWING:

- PHI 3880 Philosophy of Film
- PHI 3643 Ethics & Literature
- PHI 3700 Philosophy of Religion
- PHI 3881 Philosophy of Music
- PHI 3930 ST: Philosophy
- PHI 3931 East & West: ST
- PHH 3811 Philosophy of Zen Buddhism
- PHM 3020 Philosophy of Love & Sex
- PHP 3786 Existentialism
- PHI 3684 The Art of Living

Minor: Religious Studies

Minor: Religious Studies (15 credits)

A grade of C or better is required for all minor courses.

A minimum of 6 semester hours of upper level course work must be taken at UNF.

9 semester hours may be transferred in to the minor.

REL2300 (CD) Comparative Religion (3 Credits)

REL3102 CD- Religion as Culture (3 Credits)

SELECT 3 FROM THE FOLLOWING:

- ANT 4241 Anthropology of Religion (3 credits)
- ANT 4931 ST: Pilgrims/Sacred Ground (3 credits)
- ANT 4931 ST: Comparative Islamic Cultures (3 credits)
- LIT 3408 Approaches to Literature: Myth (3 credits)
- LIT 3930 ST: Problem of Evil (3 credits)
- AMH 3932 ST: Religion in Antebellum US (3 credits)
- PHI 3700 Philosophy of Religion (3 credits)
- PHH 3811 The Philosophy of Zen Buddhism (3 credits)
- REL 3012 Myths & Rituals (3 credits)
- REL 3120 Religion in America (3 credits)
- REL 3127 Religion & the Courts (3 credits)
- REL 3101 Religion & Popular Culture (3 credits)
- REL 4900 Directed Independent Study (3 credits)
- REL 3145 Women & Religion: The Western Experience (3 credits)
- REL 3148 Religion & Violence (3 credits)
- REL 3213 Hebrew Bible/Old Testament (3 credits)
- REL 3241 New Testament (3 credits)
- REL 3293 Selected Topics: Biblical/Scriptural Studies (3 credits)
- REL 3310 Asian Religions (3 credits)
- REL 3330 Religions of India (3 credits)
- REL 3420 20th Century Religious Thought (3 credits)
- REL 3421 Studies in Comtemp Religious Thought (3 credits)
- REL 3505 History of Christian Thought (3 credits)
- REL 3607 Selected Topics in Jewish Studies (3 credits)
- REL 3930 Selected Topics: History of Religion (3 credits)
- REL 3936 Selected Topics: Religious Thought (3 credits)
- REL 3152 Race and Religion in the United States (3 credits)

- REL 3168 Religion and Nature (3 credits)
- REL 3380 American Indian Religions (3 credits)
- REL 3110 Religion and the Arts in the US (3 credits)
- REL 3111 Religion and Film (3 credits)
-

Minor: Digital Humanities

Minor: Digital Humanities (15 credits)

At least nine hours must be earned at the 3000 or 4000 level. All courses must be passed with a grade of C or higher.

TAKE 5 COURSES FROM THIS LIST:

- CEN1361 Creating Mobile Apps (3 credits)
- COM4561 Strategic Social Media (3 credits)
- COP2220 Programming I (3 credits)
- COP3503 Programming II (3 credits)
- DIG3152 Introduction to Electronic Textual Editing (3 credits)
- DIG3176 Introduction to the Digital Humanities (3 credits)
- DIG4588 Digital Humanities Studio (3 credits)
- DIG4944 Digital Humanities Internship (3 credits)
- ENC3375 Introduction to Fandom Studies (3 credits)
- ENC4436 Writing as Social Action (3 credits)
- ENC4415 Rhetoric in the Digital Humanities (3 credits)
- ENG3816 Digital Methods in Literary Studies (3 credits)
- FIL3363 Documentary Production (3 credits)
- FIL4293 Audio Documentary and Podcasting (3 credits)
- GIS3043 Introduction to Geographic Information Systems (3 credits)
- GIS4048 Intermediate Geographic Information Systems (3 credits), Prereq: GIS3043
- IDC2000 Beauty and Joy of Computing (3 credits)
- SPN3860 Digital Textual Editing in Spanish (3 credits), Prereq: SPN3242 and SPN330 or SPN3350, or by permission of instructor
- LIS3340 Digital Archiving and Information Management (3 credits)

Additional regular or special topics courses may be used to fulfill this requirement, by approval of the coordinator of the Digital Humanities minor.

Minor: Sculpture

Minor: Sculpture (18 credits)

A minimum of 50% of the courses required for any fine arts minor must be taken at UNF.

Courses taken with lower-level numbers may be used as part of the minor, but a minimum of 9 semester hours in upper-level courses is required for all minors.

Courses used in the art major may not be duplicated in any of the art minors. Instead substitute courses will be required.

Courses must be taken in sequence. If a course is a prerequisite for a second course, they may not be taken at the same time.

Written permission from the department chair is required to override either of these policies.

ART3707C Sculpture I (3 Credits)

SELECT 3 ART ELECTIVES

ALL NON-ART MAJORS MUST TAKE THREE-DIMENSIONAL DESIGN AND POST WAR ART

- ART3707C Sculpture I (3 credits)
- ART2203C Three-Dimensional Design (3 credits)
- ART3786C Ceramics (3 credits) repeatable once
- ART1201C Two-Dimensional Design (3 credits)
- PGY2401C Black and White Photography (3 credits)
- ART2500C Painting Fundamentals (3 credits)
- ART2400C Intro to Printmaking (3 credits)
- ARH3453 Post War Art (3 Credits)

CHOOSE TWO FROM THE FOLLOWING

- ART3709C Sculpture II (3 credits)
- ART4710C Sculpture III (3 credits) Repeatable for maximum of 9 credit hours
- ART4736C Enlivened Spaces (3 credits) Repeatable for maximum of 9 credit hours
- ART3714C Sculpture: Casting (3 credits) Repeatable for maximum of 9 credit hours

Minor: Film

Minor: Film (15 credits)

A grade of C or better is required in all minor courses.

Courses cannot double count in both a major and minor.

SELECT_1 Course from

- LIT 3213 The Art of Critical Reading (3 credits)
- FIL 3006 Analyzing Films (3 credits)
- FIL 3809 Film Terms (3 credits)

SELECT 1 Survey Course From:

- FIL 3826 Movements in American Film (3 credits)
- FIL 4828 Movements in International Cinema (3 credits)

SELECT 3 COURSES FROM :

FILM STUDIES

- FIL 3809 Film Terms (3 credits)
- FIL 3826 Movements in American Film (3 credits)
- FIL 3930 Topics in Film (3 credits)
- FIL 4822 French Cinema (3 credits)
- FIL 4828 Movements in International Cinema (3 credits)
- FIL 4848 Transnational Cinema (3 credits)
- FIL 4300 Documentary Studies (3 credits)
- FIL3006 Analyzing Films (3 credits)
- PHI 3880 Philosophy of Film (3 credits)
- FIL 4882 (CD) Cinema and Culture (3 credits)
- LIT 3213 The Art of Critical Reading (3 credits)
- LAH 3736 Modern Latin American History Through Film (3 credits)
- FIL 3833 Film Genre (3 credits)
- FIL 4836 Film Noir (3 credits)
- FIL 3831 Horror Films (3 credits)
- FIL 4843 Asian Cinema (3 credits)
- FIL 3832 Black Cinema (3 credits)
- FIL 4072 American Film in Context: 1950's - 1960's (3 credits)
- FIL 4073 American Film in Context: 1970s (3 credits)
- FIL 4078 American Film in Context: 1980s (3 credits)
- FIL 4935 Advanced Topics in Film (3 credits)
- FOT 3932 French Identity in Film (3 credits)

- SPW 4934 Spanish American Film (3 credits)

FILM PRODUCTION AND SCREEN WRITING

- CRW 3610 Screenwriting Workshop (3 credits)
- CRW 4924 Advanced Screenwriting (3 credits)
- FIL 3363 Documentary Production (3 credits)
- FIL 4379 Advanced Documentary Production (3 credits)
- FIL 4293 Audio Documentary and Podcasting (3 credits)

INTERNSHIPS AND INDEPENDENT STUDIES

- FIL 4900 Independent Study in Film (3 credits)
- FIL 4940 Internship in Film Administration (3 credits)
- FIL 4940 Internship in Film Production (3 credits)

Minor: Social Welfare

Minor: Social Welfare (18 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course carrying lower division numbers may be used to satisfy any minor requirement.

A grade of C or better is required for all minor courses.

PREREQ SELECT ONE FROM BELOW:

- SYG 2000 Introduction to Sociology
- SYG 2013 Sex, Race and Class
- SOW 2031 Introduction to Social Welfare and Social Work

SOW3213 Social Welfare Policy (3 Credits)

SOW4352 Principles of Soc Serv Prov (3 Credits)

- Prereq: SOW3213 or SOW3203 if taken prior to fall 2014

DIVERSITY Select 1 from the following:

- SYD 3800 CD Gender & Society
- SYD 3700 CD Racial and Cultural Minorities
- ANT 3212 CD-FC Peoples & Cultures of the World
- SOW 3620 Social Work with Diverse Groups

SELECT 2 FROM THE FOLLOWING:

- SYD 3700 Racial and Cultural Minorities (3 credits)
- SYO 3110 Sexuality & Marriage (3 credits)
- SYO 4100 Sociology of Family (3 credits)
- SYO 4400 Health, Illness, & Society (3 credits)
- SYP 3570 Deviance & Social Control (3 credits)
- SYP 4730 Sociology of Aging (3 credits)
- CJC 3410 Offender Treatment (3 credits)
- CCJ 4681 Family Violence (3 credits)
- CJJ 3010 Juvenile Delinq & Juvenile Justice (3 credits)
- ANT 3443 The City & Health (3 credits)
- SYD 4601 Community Organization, Change, & Development (3 credits)
- SOW 4930 ST: Social Welfare (3 credits)
- SYA 4654 Evaluation Research/Program Analysis (3 credits)
- SOW 4905 Directed Independent Study "Social Work (3

credits)

- SOW4122 Inside the Asylum (3 credits)
- SOW 4654 Social Work with Children and Adolescents (3 credits)
- SOW 4700 Substance Abuse and Social Work Practice (3 credits)
- SOW 4794 Social Work with Immigrants and Refugees (3 credits)
- SOW 4602 Social Work in Health Care (3 credits)
- SOW4651 Child Abuse and Neglect (3 credits)
- SOW4724 Child Welfare Practice (3 credits)

Minor: French

Minor: French (15 credits)

The French minor consists of 15 credit hours above the beginning level: Intermediate French I, Intermediate French II, and 3 additional 3000 or 4000 level French electives (prefixes FRE, FRT, FRW, FOL and FOT). Students who place at the 3000 level on the department's computerized placement test may apply for retroactive credit for Intermediate French I and Intermediate French II (see policy on Placement and Retroactive Credit). At least 3 upper-level courses (9 semester hours) must be completed at UNF. A grade of C or better is required for all minor courses. No more than 1 French course (3 hours) taught in English may be included in the minor. Native/Heritage speakers of French must first consult with a member of the French faculty or the chair of Languages, Literatures and Cultures for appropriate courses to take as French electives.

SELECT 5 FRENCH ELECTIVES (3000/4000)

Minor: Sociology

Minor: Sociology (18 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course carrying lower division numbers may be used to satisfy any minor requirements.

A grade of C or better is required for all minor courses.

CHOOSE 1 Sociology Prerequisite

- SYG 2000 Intro to Sociology
- SYG 2013 Sex, Race, Class

SELECT 4 COURSES FROM (3000/4000)

SYA SYD SYG SYO SYP

SYA4010 Sociological Theory (3 Credits)

Prereq: SYG 2000 or SYG 2013 & 2 upper level
Sociology courses

Minor: Gender Studies

Minor: Gender Studies (15 credits)

No more than 6 semester hours, or 2 courses, may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course, of classes carrying lower division numbers may be used to satisfy any minor requirement.

A grade of C or better must be earned in each minor course.

SYD3800 (CD) Gender and Society (3 Credits)

SELECT 4 COURSES FROM THE FOLLOWING:

- SOP 3742 Psychology of Women
- CCJ 4663 Women & Crime
- HSC 4579 Women's Health Issues
- FOT 3552 Women in the Arab World
- LIT 4930 18th Century Women Novelist
- ASN 3106 Women and Gender in East Asia
- SYA 4930 Women & the Law
- LIT 4930 Southern Women Writers
- AML 3621 Black American Literature
- LIT 4930 Irish Women Writers
- LIT 4930 Sense & Sensibility
- POS 4932 Women/Power Organization
- REL 3145 Women & Religion: The Western Experience
- SYO 3110 Sexuality & Marriage

Minor: Spanish

Minor: Spanish (15 credits)

The Spanish minor consists of 15 credit hours above the beginning level: Intermediate Spanish I, Intermediate Spanish II and 3 additional 3000 or 4000 level SPN or SPW electives. Students who place at the 3000 level on the department's computerized placement test may apply for retroactive credit for Intermediate Spanish I and Intermediate Spanish II (see policy on Placement and Retroactive Credit) At least 3 upper-level courses (9 semester hours) must be completed at UNF. A grade of C or better is required for all minor courses.

Note: Native/Heritage speakers of Spanish must first consult with a member of the Spanish faculty or the chair of Languages, Literatures and Cultures for appropriate courses to take as Spanish electives.

SELECT 5 SPANISH COURSES

-TAUGHT IN SPANISH

Minor: History

Minor: History (15 credits)

No more than 3 semester hours, or 1 course carrying lower level numbers may be used in the history minor.

A minimum of 12 hours, or 4 courses, must be upper level.

A minimum of 6 semester hours, or 2 courses, must be taken at UNF.

9 semester hours may be transferred towards the minor.

A grade of C or better is required for all minor courses.

SELECT 5 HISTORY COURSES (3000/4000)

- HIS EUH ASN AMH AFH ASH LAH

Minor: Statistics

Minor: Statistics (16 credits)

Minor: Statistics Minor for BA/BS Mathematics Majors

A grade of C or better is required for all minor courses and prerequisites.

Courses used in the major may not double count in the minor.

STA3163 (GM)Statistical Methods I (4 Credits)

STA3164 (GM)Statistical Methods II (3 Credits)

SELECT 3 COURSES FROM THE FOLLOWING:

- STA 4202 Design of Experiments (3 credits)
- STA 4222 Design of Sample Surveys (3 credits)
- MAP 4231 Operations Research (3 credits)
- STA 4322 Statistical Theory (4 credits)
- STA 4502 Nonparametric Methods in Statistics (3 credits)
- STA 4504 Categorical Data Analysis (3 credits)
- STA 4672 Probability Models with Applications to Actuarial Science (3 credits)
- STA 4664 Statistical Quality Control (3 credits)
- STA 4853 Stat Techniques for Time Series & Forecasts (3 credits)

Minor: Interdisciplinary Studies

Minor: Interdisciplinary Studies (15 credits)

This program would enable a student, under the direction of the Interdisciplinary Studies Program Coordinator and Advisor, to construct a set of courses that focus on a particular educational goal or competencies that complement either a traditional major or an interdisciplinary major, and that prepare the student for career opportunities "outside the boxes" of traditional academic disciplines. All 15 credits must be taken at the upper level. Students cannot transfer more than 6 credits into this minor. Students may elect either Track 1 or Track 2. Courses cannot count toward both the general education requirement and the requirement for the minor. A grade of "C" or better is required for all minor courses.

TRACK 1 Theme-Based Study (15 cr)

For this theme-based program of cross-disciplinary study, each student will choose 4-5 upper-division (3000-4000-level) courses (the number of courses chosen depends on how many are 3-credit hour courses and how many are 4-credit hour courses), including at least one (3000-4000-level) course from the College of Arts and Sciences.

TRACK 2 Competency-Based Study (15 cr)

For this program of cross-disciplinary study focusing on the development of key intellectual competencies, each student will choose 4-5 upper-division (3000-4000-level) courses (the number of courses chosen depends on how many are 3-credit hour courses and how many are 4-credit hour courses), including:

- (i) at least one of the below five (3000-4000-level) courses must be from the College of Arts and Sciences
- (ii) at least two advanced writing/communication (3000-4000-level) courses
- (iii) at least three critical thinking (3000-4000-level) courses or three quantitative reasoning and analysis (3000-4000-level) courses.

Minor: Statistics for non-math majors

Minor: Statistics for non-math majors (19 credits)

A grade of C or better is required for all minor courses and prerequisites.

TAKE ONE REQUIRED COURSE:

- STA2023 Elementary Statistics for Business (3 credits)
- STA2014 Elementary Statistics for Health and Social Sciences (3 credits)

STA3163 (GM)Statistical Methods I (4 Credits)

STA3164 (GM)Statistical Methods II (3 Credits)

SELECT 3 COURSES FROM THE FOLLOWING:

- MAP 4231 Operations Research (3 credits)
- STA 4202 Design of Experiments (3 credits)
- STA 4222 Design of Sample Surveys (3 credits)
- STA 4321 Probability & Statistics (4 credits)
- STA 4322 Statistical Theory (4 credits)
- STA 4502 Nonparametric Methods in Statistics (3 credits)
- STA 4504 Categorical Data Analysis (3 credits)
- STA 4664 Statistical Quality Control (3 credits)
- STA 4672 Probability Models with Applications to Actuarial Science (3 credits)
- STA 4853 Stat Techniques for Time Series & Forecasts (3 credits)

Minor: International Studies

Minor: International Studies (15 credits)

A grade of C or higher is required in all minor coursework.

Only 2 courses, or 6 semester hours may be transferred in to satisfy minor requirements.

SELECT 3 FROM THE FOLLOWING:

- ANT 3212 Peoples & Cultures of the World (3 credits)
- CPO 4014 Comparative Politics: Frameworks for Analysis (3 credits)
- ECO 3701 Contemporary International Economics (3 credits)
- GEO 3553 Cultural Dimensions of Economic Geography (3 credits)
- INR 4603 International Relations: Frameworks for Analysis (3 credits)

SELECT 2 MINOR ELECTIVES (3000/4000)

Select 2 courses from the lists of major electives from any of the concentrations within the International Studies Major in the UNF Undergraduate Catalog, along with the lists published each semester by the INS Program. The 2 courses do not need to be from the same concentration.

- AMH, ANT, ASH, ASN, CHI, CHT, CJJ, CPO, ECO, ECS, ENL, EUH, FIL, FIN, FOL, FOT, FRE, FRW, GEO, GIS, HIS, HSC, HUM, INR, LAH, LAS, LIT, MAN, PHH, PHI, PHM, POS, REL, SPN, SPW, SYP.

Minor: Studies in Applied Ethics

Minor: Studies in Applied Ethics (15 credits)

Of the total 15 hours for the minor, 12 must be upper level.

A minimum of 6 semester hours in philosophy must be taken at UNF.

6 semester hours may be transferred towards the minor.

Germany Today, The Japanese Mind, and The Greek Experience cannot be used as part of the minor.

PHI3601 Ethics (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- PHM 3100 Social Philosophy
- PHM 3304 Political Philosophy

SELECT 3 FROM THE FOLLOWING:

- PHI 3633 Bioethics
- PHI 3640 Environmental Studies
- PHI 3641 Business Ethics
- PHI 3670 Moral Conflict
- PHI 3684 The Art of Living
- PHI 3930 ST: Philosophy
- PHI 4453 Philosophy of Psychiatry
- PHI 4674 Lies & Self Deception
- PHI 4930 Topics in Philosophy
- PHM 3400 Philosophy of Law
- PHM 3050 Ethical Issues in Death & Dying
- PHM 3362 Global Justice

Minor: Jewish Studies

Minor: Jewish Studies (15 credits)

- Total of 15 credit hours.
- A grade of C or better is required for all minor courses.
- A minimum of 6 semester hours of upper level course work must be taken at UNF.
- 9 semester hours may be transferred in to the minor.

REL3102 CD- Religion as Culture (3 Credits)

SELECT ONE FROM BELOW:

- REL 3630 American Judaism (3 Credits)
- PHH 3201/REL 3xxx Jewish and Islamic Philosophy in the Classical Tradition (3 Credits)

SELECT THREE FROM BELOW:

- ASH 3200: Ancient Near East (3 Credits)
- ASH 3201: Ancient Israel (3 Credits)
- ASH 3223: Middle East (3 Credits)
- REL 3213: Hebrew Bible/Old Testament (3 Credits)
- REL 3932: Special Topics: Judaism (3 Credits)
- REL 4937: Advanced Special Topics: Judaism (3 Credits)
- INR 3153: U.S. Mideast Policy (3 Credits)
- EUH 3120: Medieval Europe (3 Credits)
- EUH 3124: The Crusades (3 Credits)
- EUH 3241: The Holocaust (3 Credits)
- EUH 3312: History of Spain (3 Credits)
- EUH 3465: Nazi Germany (3 Credits)

Minor: Urban & Metropolitan Studies

Minor: Urban & Metropolitan Studies (15 credits)

Students may count select special topics courses toward the minor, with advance permission of the coordinator.

A single course cannot satisfy requirements for the student's major and the Urban and Metropolitan Studies minor.

Only two transfer courses may be applied toward minor courses.

IDS3213 Introduction to the Metropolis (3 Credits)

CHOOSE 4 FROM THE FOLLOWING:

Students are encouraged to select courses from disciplines other than their major.

- AMH 3460 American Cities & Suburbs
- POS 4167 Urban Policy & Planning
- ANT 3443 The City and Health
- ANT4444 Cities & Globalization
- ECP 3613 Urban Economics
- GIS 3043 Introduction to GIS
- HIS 3403 Nature, Power, & Metropolis
- SYD 3410 Urban Sociology
- SYD 4601 Community Organization, Change & Development
- EEX 4794 Educating Urban Students with Diverse Needs

Major: Biotechnology Certificate

Degree: Undergraduate Certificate

Certificate Requirements (14 credits)

The Biotechnology Certificate is available to all UNF Biology students with a cumulative GPA of 3.0 or higher. Non-degree seeking, post-baccalaureate students are also eligible.

BCH4024, BCH4024L and MCB4021C require grades of "B" or above (or passing for BSC3943).

BCH4024 Mol Biol Biochem (3 Credits)

BCH4024L Mol Biol Biochem Lab (1 Credit)

MCB4021C Molecular Biology Techniques (4 Credits)

SELECT EITHER (MIN GRADE B)

- PCB3063 Genetics (3 credits) AND
 - PCB3063L Genetics Lab (1 credits)
- OR
- PCB3023C Molecular and Cell Biology (4 credits)

SELECT_ ONE FROM THE FOLLOWING

- BSC3943 Internship in Applied Biology (2 credits)
- BSC4941 Mayo Clinic Research Internship (2 credits)

Major: Performers Certificate Program

Degree: Undergraduate Certificate

Certificate Requirements (8 credits)

Certificate Requirements (8 credits plus Performance Req)

Statement of Goals: This selective applied program is designed to draw a small group of talented young artists to our musical community, where they can benefit from personal instruction and artistic interaction in chamber music, ensemble and solo performance activity. The program curriculum stresses applied study and directed performance activity. It is intentionally flexible so that students may benefit from a uniquely personal experience. The full-time, 2-6 semester certificate program includes a minimum of four (4) academic credit hours per semester to be selected in consultation with the major advisor. The program also mandates extensive practice/rehearsal time and presentations/performances on campus and in the community. Applicants must demonstrate live or taped audition that they possess the musical competence and promise sufficient to justify admission to this very selective program. The certificate requires a minimum residency of one year (2 semesters), which may be extended to up to 3 years (6 semesters) with the approval of the major advisor.

ACADEMIC REQUIRED COURSES (4 credits)

- Applied Lessons (2 Credits)
- Chamber Music (1 Credit)
- Ensemble (1 credit)

ELECTIVES (4 credits)

- MUS 4905 Directed Individual Studies (1-3 credits)
- MUS 3930 Special Topics in Music (1-3 credits)
- Free Electives (0-4 Credits)

PERFORMANCE REQUIREMENTS:

- Practice/rehearsals (minimum 20 hours per week)
- Presentations/performances on campus and in the community (minimum one per semester)
- Full solo recital(s) (minimum one per year)

The satisfactory completion of the Performance Requirements will

be overseen by the student's applied teacher.

Major: Conducting Certificate

Degree: Undergraduate Certificate

Certificate Requirements (12 credits)

Eligibility: Students in any music major Courses in this program require departmental permission for registration. Undergraduate students must get permission from the Director of the School of Music to register for graduate- level courses.

SELECT ONE from the following

- MUG 4202 Advanced Choral Conducting (2 credits)
- MUG 4302 Advanced Instrumental Conducting (2 credits)

SELECT ONE of the following courses

- MUL4643 Choral Literature (3 credits)
- MUG6256 Choral Conducting and Literature Seminar (2 credits)
- MUL4550 Instrumental Literature (3 credits)
- MUG6356 Instrumental Conducting and Literature Seminar (3 credits)

ENSEMBLE (2 Credits)

Students must take 2 credits of 3000-level large ensemble courses (MUN) beyond the ensemble requirements of their major. Students should consult the School of Music for specific MUN courses that may count toward this requirement.

ELECTIVES (0-6 CREDITS) Though not required, students who are pursuing this certificate should consider taking one or more of the following courses as part of their major electives:

- MUE 2410 Choral Techniques (1 Credit)
- MUG 6206 Applied Choral Conducting (2 Credits)
- MUR 3802 Sacred Music Leadership and Administration (3 Credits) (Note: these courses will not be available every semester, and will require permission of the instructor.) major. These courses must be chosen in consultation with the Director of Choral Studies or the Director of Bands. One or both of these may be fulfilled by taking MUE2XXX (Conducting Lab Ensemble).

CHOOSE 5-6 credits of elective course

This requirement may be fulfilled by any of the courses list (including ensembles) and/or courses from the following list:

- MUG4109 Applied Conducting (2 credits)
- MUG4102 Conducting Intensive (3 credits)
- MUG44401 Score Study and Preparation (1-3 credits)
- MUL4701 Choral-Orchestral Masterworks (1-3 credits)
- MUE2410 Choral Techniques for Instrumentalists (1 credit)
- MUR3802 Sacred Music Leadership and Administration (3 credits)

Some of the courses listed above are allowed to be taken more than once in order to meet the 5-6 credits of electives

Major: Post-Bacc Pre-Med Certificate

Degree: Post-Baccalaureate Certificate

Certificate Requirements

The practice of medicine is based on modern biology, chemistry, and physics. Candidates for medical professional schools must study in these disciplines to:

- confirm their interest in and capacity for advanced study in medical science
- enable professional schools to judge their potential for success in medicine
- meet requirements of state laws governing licensure

Minimum requirements for admission to professional schools are not uniform. Also, many schools recommend, but do not require, additional courses such as calculus, statistics, advanced biology courses, English, humanities, economics, psychology, and social science courses. Students should ascertain the minimum and recommended courses of professional schools to which they plan to apply well in advance of planning their undergraduate studies.

Major: Joint Stat Analy Cert with SAS

Degree: Undergraduate Certificate

Certificate Requirements (13 credits)

To be eligible for this certificate, students have to be enrolled at UNF and must complete all course pre- requisites before registering for any certificate courses.

- To earn the certificate you must receive at least a grade of C in each of the four required certificate courses.

STA3163 (GM)Statistical Methods I (4 Credits)

Prereq: MAC1105 or MAC1147

STA3164 (GM)Statistical Methods II (3 Credits)

Prereq: STA3163

STA4945 Statistics Capstone (3 Credits)

Prereq: Senior standing and permission of the department

SELECT 1 FROM THE FOLLOWING 2 COURSES

- STA 4853 Statistical Techniques for Time Series and forecasts (3 credits) Prereq: STA 3163 or ECO 3411
- STA 4504 Categorical Data Analysis (3 credits) Prereq: STA 3163

Major: Sacred Music Certificate

Degree: Undergraduate Certificate

Certificate Requirements (15 credits)

Eligibility: Student in any major; non-degree seeking students
Courses in the certificate program require department permission for registration. Course registration priority will be given to students enrolled in the Bachelor of Music degree tracks.

Students who are non-music majors will be asked to take a music proficiency test before they begin the certificate. This test may be waived for students who have taken either MUT1011 (Fundamentals of Music) or MUT1111 (Theory 1). Based on the test, students may be asked to participate in a UNF music ensemble and/or take MUT1011 before starting the program to ensure they have an adequate background in reading music and basic music theory.

MUR3802 Sacred Music Ldrshp & Admin (3 Credits)

MUS3340 Computer MIDI Score (2 Credits)

MUR3721 Congregational Song (2 Credits)

MUR3302 Liturgical Planning (3 Credits)

MUE2410 Choral Tech for Inst (1 Credit)

MUNXXXX Ensemble

CHOOSE 1 OF THE FOLLOWING COURSES

(3 Credits):

- MUM 4613 Music Studio Recording Techniques (3 Credits)
- MUM 3701 The Music Business (3 Credits)
- MUM 2634 Digital Audio Production (3 Credits)
- MUH 2501 World Music (3 Credits)

Major: Music Technology Certificate

Degree: Undergraduate Certificate

Certificate Requirements (15 credits)

Eligibility: Students in any major

Courses in this certificate program require department permission for registration. Course registration priority will be given to students enrolled in the BM in music Technology and Production degree track.

Suggestion: Students who do not have a background in reading music and basic music theory should enroll in MUT1011: Fundamentals of Music; before taking the remaining certificate courses.

MUT1011 Fundamentals of Music (3 Credits)

(3 credits)

May be exempted through a proficiency screening.

MUS3340 Computer MIDI Score (2 Credits)

(2 credits)

MUM1630 Introduction to Digital Audio (1 Credit)

(1 credit)

MUM4613 Music Studio Recording Tech (3 Credits)

(3 credits)

MUM4636 Audio for Media Applications (3 Credits)

(3 credits)

CHOOSE One of the Following Courses

(3 credits):

- MUM 2634 Digital Audio Production (3 credits)
- MUM 1620 Audio and Acoustics (3 credits)
- MUM 4729 Electronic Music Production Techniques (3 credits)

Major: Spanish for the Professions

Degree: Undergraduate Certificate

Certificate Requirements (15 credits)

This undergraduate certificate consists of 15 credits (6 credits of prerequisites and an additional 9 hours of certificate course requirements) at the 3000-4000 level with the goal of providing students with the linguistic skills and cultural competency necessary for an increasingly global community, focusing on building cultural background and communicative proficiency while providing profession-specific language and cultural experience.

- At least nine of the fifteen credits must be earned with the UNF Spanish program in the Department of Languages, Literatures, and Cultures.
- Study abroad courses or internships in Spanish-speaking countries, may be accepted with the approval of the Chair of the Department of Languages, Literatures, and Cultures.
- All prerequisites as well as courses for the certificate must be passed with a C or better.

TAKE TWO OF THE FOLLOWING

Prerequisites for non-native speakers (6 credits)

- SPN 3300 Spanish Composition (3 credit hours)
- SPN 3242 Spanish Conversation (3 credit hours)
- Or any (SPN) Culture or (SPW) Literature course (3 credit hours)

Prerequisites for heritage speakers (6 credits)

- SPN 3351 Communication and Communities (3 credit hours)
- SPN 3300 Spanish Composition (3 credit hours)
- SPN 3350 Spanish for Heritage-Speakers (3 credit hours)
- Or any (SPN) Culture or (SPW) Literature course (3 credit hours)

COURSES AND REQUIREMENTS (9 CREDITS)

Passing grade in at least ONE of the following courses:

- SPN 3013 Spanish for Business (3 credit hours)
- SPN 3036 Spanish for Health Professions (3 credit hours)

Passing grade in at least TWO of the following courses:

- SPN 4940 (3 credit hours): Internship in Spanish

- 3000-or 4000-level, profession-specific course conducted in Spanish at UNF or as part of a UNF affiliated dual-degree or study-abroad program.
- any 3000 or 4000-level SPN or SPW course that is taught in Spanish and that you have not taken before to suit your academic and professional interest.

Major: Performers Certificate Program

Degree: Post-Baccalaureate Certificate

Certificate Requirements (8 credits)

Certificate Requirements (8 credits plus Performance Req)

Statement of Goals: This selective applied program is designed to draw a small group of talented young artists to our musical community, where they can benefit from personal instruction and artistic interaction in chamber music, ensemble and solo performance activity. The program curriculum stresses applied study and directed performance activity. It is intentionally flexible so that students may benefit from a uniquely personal experience. The full-time, 2-6 semester certificate program includes a minimum of four (4) academic credit hours per semester to be selected in consultation with the major advisor. The program also mandates extensive practice/rehearsal time and presentations/performances on campus and in the community. Applicants must demonstrate live or taped audition that they possess the musical competence and promise sufficient to justify admission to this very selective program. The certificate requires a minimum residency of one year (2 semesters), which may be extended to up to 3 years (6 semesters) with the approval of the major advisor.

ACADEMIC REQUIRED COURSES (4 credits)

- Applied Lessons (2 Credits)
- Chamber Music (1 Credit)
- Ensemble (1 credit)

ELECTIVES (4 credits)

- MUS 4905 Directed Individual Studies (1-3 credits)
- MUS 3930 Special Topics in Music (1-3 credits)
- Free Electives (0-4 Credits)

PERFORMANCE REQUIREMENTS:

- Practice/rehearsals (minimum 20 hours per week)
- Presentations/performances on campus and in the community (minimum one per semester)
- Full solo recital(s) (minimum one per year)

The satisfactory completion of the Performance Requirements will

be overseen by the student's applied teacher.

Major: Advanced Manufacturing

Degree: Bachelor of Science

Informational Text

General Education requirements for engineering students differ from other majors. Do not register for general education courses without consulting your academic advisor and Osprey Map.

Prerequisites (27 credits)

A grade of "C" or higher is required in all Engineering prerequisite courses.

Additionally, the engineering majors are selective admission majors. Students must meet the admission requirements listed below with a minimum grade of C prior to officially being admitted to the major.

- MAC2311 Calculus 1
 - PHY2048C Calc-based Physics I
 - CHM2045+L Gen Chemistry I + Lab
- *Chemistry Lab not required for Electrical Engineering

CHM2045+L General Chem I + Lab (3+1)

(CHSx440/CHSx440L may be substituted for
CHM2045/CHM2045L)

MAC2311 (GM) Calculus I (4 Credits)

(Students must complete pre-calculus at the college level with a C or higher to take Calculus I. MACx281 may be substituted for MAC2311)

MAC2312 (GM) Calculus II (4 Credits)

(MACx282 may be substituted for MAC2312)

MAC2313 (GM) Calculus III (4 Credits)

MACx283 may be substituted for MAC2313

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

(MAPx305 may be substituted for MAP2302)

PHY2048C Calculus-based Physics I (4 Credits)

(PHY2048 and PHY2048L may be substituted for PHY2048C) (PHYx041 may be substituted for the lecture portion)

PHY2049+L Calc-based Physics + Lab (3+1)

Foundation

Advanced Manufacturing Foundation (5 Courses - 14 Credits)

EEL3111 Circuit Analysis I (3 Credits)

EGN1001C Introduction to Engineering I (2 Credits)

EGN3311 Statics (3 Credits)

STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

ENC3246 Prof. Comm: Engineering (3 Credits)

Core Requirements (17 credits)

Advanced Manufacturing Core: (6 courses - 17 credit hours)

EGN3321 Dynamics (3 Credits)

EGN3331 Strength of Materials (3 Credits)

EIN3304 Thermofluids for Manufacturing (3 Credits)

EML3535C Modern Engineering CAD (2 Credits)

EML4551 Senior Capstone Design I (3 Credits)

EML4552 Senior Capstone Design II (3 Credits)

Major Requirements

Advanced Manufacturing Major Requirements: (14 courses - 38 credit hours)

EMA3010 Intro to Materials Science (3 Credits)

EML4320C Integrated Design/Manufacture (3 Credits)

EIN3390 Materials Processing (3 Credits)

EMA4502 Materials Characterization (3 Credits)

EIN3800 Subtractive Manufacturing (3 Credits)

EIN3800L Subtractive Manufacturing Lab (1 Credit)

EIN3801 Additive and Netshape Manufact (3 Credits)

EIN3801L Additive and Netshape Mfg Lab (1 Credit)

EIN3621 Computer Aided Manufacturing (3 Credits)

EIN4602C Control of Machinery for Manf (3 Credits)

ESI4221C Quality Analy and Quality Cont (3 Credits)

EML4501 Machine Design (3 Credits)

EIN3003 Fundamentals of Industrial Eng (3 Credits)

EIN4519 Manufacturing Syst Integration (3 Credits)

Technical Electives (9 credits)

Advanced Manufacturing Technical Electives (9 Credits)

SELECT 9 credits from below:

- EML3553 Project Engineering (3 Credits)
- EML4048 Simulation of Production Systems (3 Credits)
- EML4544 Materials and Handling I (3 Credits)
- EML4804 Mechatronics (3 Credits)
- EML4806 Robotics Engineering (3 Credits)
- EML4905 Directed Independent Study (1-3 Credits)
- EML4911 Supervised Undergraduate Research (1-3 Credits)
- EML4930 Special Topics: Mech Engineering (1-3 Credits)
- EGN4042 Problem Solving and Continuous Improvement Methods in Engineering (3 Credits)
- MAS3105 Linear Algebra (4 Credits)
- MAP 4231 Operations Research (3 Credits)
- EGN3065 Professional Issues in Engineering (3 Credits)
- Any other 3000 or 4000 level courses with either an EEE, EEL, EMX, EML, EGN, or EMA prefix
- Mechanical Engineering Graduate Level Courses (1-9)*
- Material Science and Engineering Graduate Level Course (1-9)*

* Up to 9 credit hours of graduate level course work may be used towards technical electives at the undergraduate level.

Students wishing to take graduate credits while in undergraduate status must receive approval from the School of Engineering Director prior to registering for the graduate level course(s). A grade of C or higher must be earned in the graduate level course(s) to satisfy technical elective requirements.

Major: Building Construction
Concentration: Residential Construction
Degree: Bachelor of Science

Informational Text

Bachelor of Science in Building Construction Management (120 Credits).

Department of Construction Management Policies:

- All courses must be completed with a grade of C or better unless otherwise noted.
- Once enrolled at UNF, all major and minor courses must be completed at UNF.
- Students completing the UNF General Education requirements must take ENC3250 (GW) Professional Communication as one of the courses for the "Writing Effectively" requirement.
- ECO2013 Principals of Macroeconomics counts as the Social Science General Education Requirements so students need 18 credits to meet all other General Education. See catalog for all General Education requirements.

BCM PROGRAM TOTAL IS 60 UPPER DIVISION SEMESTER HOURS

- ** Internship can be taken for up to 6 credit hours, 3 for internship and 3 for a BCN elective selection. An extra BCN elective class can also be taken to take the place of the internship requirement upon approval. Study Abroad can be taken for a maximum of 9 credit hours.

Prerequisites (35 credits)

All lower-level prerequisite courses must be completed before upper-level BCN classes are attempted. Students may begin taking upper-level courses in construction when they have prerequisite hours remaining to complete a full schedule. Failure to complete the final prerequisite hours in the following term will cancel any further upper-level construction class registration.

ACG2021 Prin of Financial Accounting (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

ECO2013 Principles of Macroeconomics (3 Credits)

ECO2023 Principles of Microeconomics (3 Credits)

CGS1100 Computer Applications for Busi (3 Credits)

CGSX531 Integrated Software or CGS1570
Microcomputer Application Software are acceptable
substitutes. Approved courses with the CGS prefix may
be used to satisfy this requirement. See your advisor.

MAC2233 (GM)Calculus for Business (3 Credits)

MAC2311 Calculus I is an acceptable substitute.

BCN1210C Construction Materials (3 Credits)

BCN1251 Construction Drawing (3 Credits)

BCN2405 Introduction to Structures (3 Credits)

PHY2053 Algebra-Based Physics I (3 Credits)

SELECT ONE of the following:

- PHY 2054 (4) College Physics II & PHY 2054 L College
Physics II Lab Or
- CHM 2045 (4) General Chemistry I & CHM2045L General
Chemistry I Lab

Prerequisites for CHM2045: High School Chemistry or
CHM1025 and lab

Core Requirements (52 credits)

BCN1005C Intro to Construction Mgmt (1 Credit)

BCN2280C Surveying: Construction Layout (3 Credits)

BCN3782C Intro Construction Computing (3 Credits)

BCN3223C Soils and Foundations (3 Credits)

BCN3762 Building Const Design and Code (3 Credits)

BCN3611C Construction Cost Estimating (3 Credits)

BCN4751C Housing and Land Development (3 Credits)

BCN4758 Adv Residential Construction (3 Credits)

BCN4753 Construction Finance (3 Credits)
BCN4591C Mech and Elec Sys (3 Credits)
BCN3224 Construction Techniques (3 Credits)
BCN4708 Construction Documents/Contrac (3 Credits)
BCN4431 Structural Systems (3 Credits)
BCN4709 Construction Proj Mgt Cap (3 Credits)
BCN4720 Constr Project Plan/Scheduling (3 Credits)
BCN4612 Advanced Construction Estimati (3 Credits)
BCN4730 Construction Safety (3 Credits)
BCN4944 Construction Management Intern (3 Credits)
BCN4759 Const Fin and Cost Cont (3 Credits)

Business Course Requirement (12 credits)

ACG2071 Prin Managerial Accounting (3 Credits)
BUL3130 Legal Environment of Business (3 Credits)
MAN3025 Principles of Management (3 Credits)
MAR3023 Principles of Marketing (3 Credits)

Major Electives (3 credits)

Elective Courses for Residential Construction Track Pick One (3 Credit Hours)

BCN3012 History/Intro Const (3 Credits)
BCN4302 Building Information Modeling (3 Credits)
BCN4587C Green Construct and Sustain (3 Credits)
BCN4956 Study Abroad Const Management (3 Credits)
BCN4944 Construction Management Intern (3 Credits)
BCN4775 International Construction (3 Credits)
BCN4240 Construction Equipment (3 Credits)

REE4043 Real Estate Analysis (3 Credits)

FIN3403 Financial Management (3 Credits)

(Fulfills Minor in Business Administration Requirements)

Minor Electives (3 credits)

Optional Business Administration Minor requirement (3 Credit Hours):

FIN3403 Financial Management (3 Credits)

(Requires 3 additional credits NOT included in the 120 total program credits)

Major: Building Construction

Degree: Bachelor of Science

Informational Text

Bachelor of Science in Building Construction Management (120 Credits).

Department of Construction Management Policies:

- All courses must be completed with a grade of C or better unless otherwise noted.
- Once enrolled at UNF, all major and minor courses must be completed at UNF.
- Students completing the UNF General Education requirements must take ENC3250 (GW) Professional Communication as one of the courses for the "Writing Effectively" requirement.
- ECO2013 Principals of Macroeconomics counts as the Social Science General Education Requirements so students need 18 credits to meet all other General Education. See catalog for all General Education requirements.

BCM PROGRAM TOTAL IS 60 UPPER DIVISION SEMESTER HOURS

- ** Internship can be taken for up to 6 credit hours, 3 for internship and 3 for a BCN elective selection. An extra BCN elective class can also be taken to take the place of the internship requirement upon approval. Study Abroad can be taken for a maximum of 9 credit hours.

Prerequisites (35 credits)

Building Construction Management Prerequisites: (11 Courses - 35 Credits) (43 credits including MAC1105, MAC1114 and PHY1020 prerequisites for PHY2053)

- All lower-level prerequisite courses must be completed before upper-level BCN classes are attempted.
- Students may begin taking upper-level courses in construction when they have prerequisite hours remaining to complete a full schedule. Failure to complete the final prerequisite hours in the following term will cancel any further upper-level construction class registration.

ACG2021 Prin of Financial Accounting (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

ECO2013 Principles of Macroeconomics (3 Credits)

(Counts as Social Science for Gen Ed)

ECO2023 Principles of Microeconomics (3 Credits)

CGS1100 Computer Applications for Busi (3 Credits)

CGSX531 Integrated Software or CGS1570
Microcomputer Application Software are acceptable
substitutes. Approved courses with the CGS prefix may
be used to satisfy this requirement. See your advisor.

MAC2233 (GM)Calculus for Business (3 Credits)

MAC2311 Calculus I is an acceptable substitute.

BCN1210C Construction Materials (3 Credits)

BCN1251 Construction Drawing (3 Credits)

BCN2405 Introduction to Structures (3 Credits)

PHY2053 Algebra-Based Physics I (3 Credits)

SELECT ONE of the following:

- PHY 2054 (4) Algebra Physics II & PHY 2054 L Algebra
Physics II Lab Or
- CHM 2045 (4) General Chemistry I & CHM2045L General
Chemistry I Lab

Prerequisites for CHM2045: High School Chemistry or
CHM1025 and lab

Core Requirements (46 credits)

Building Construction Management Core: (46 Credits)

BCN1005C Intro to Construction Mgmt (1 Credit)

BCN2280C Surveying: Construction Layout (3 Credits)

BCN3782C Intro Construction Computing (3 Credits)

BCN3223C Soils and Foundations (3 Credits)

BCN3762 Building Const Design and Code (3 Credits)

BCN3611C Construction Cost Estimating (3 Credits)

BCN4753 Construction Finance (3 Credits)

BCN4591C Mech and Elec Sys (3 Credits)

BCN3224 Construction Techniques (3 Credits)

BCN4708 Construction Documents/Contrac (3 Credits)

BCN4431 Structural Systems (3 Credits)

BCN4709 Construction Proj Mgt Cap (3 Credits)

BCN4720 Constr Project Plan/Scheduling (3 Credits)

BCN4612 Advanced Construction Estimati (3 Credits)

BCN4730 Construction Safety (3 Credits)

BCN4944 Construction Management Intern (3 Credits)

Business Course Requirement (12 credits)

ACG2071 Prin Managerial Accounting (3 Credits)

BUL3130 Legal Environment of Business (3 Credits)

MAN3025 Principles of Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

Major Electives (9 credits)

BCM Elective Courses (3 Courses - 9 Credits)

CHOOSE three elective courses from

- BCN3012 History of Construction (3)
- BCN4751C Housing and Land Development (3)
- BCN4758 Advanced Residential Construction (3)
- BCN4587C Green Construction/Sustainability (3)
- BCN4302 Building Information Modeling (3)
- BCN4870C Heavy Civil Construction (3)
- BCN4871C Commerical Construction (3)
- BCN4801C Industrial Construction (3)
- BCN4956 Study Abroad: Construction Management** (3)
- BCN4944 Construction Management Internship** (3)

- BCN4775 International Construction (3)
- BCN4240 Construction Equipment (3)
- FIN3403 Financial Management (3) (Fulfills Minor in Business Administration Requirements)

BCN4944 Construction Management Internship** may be taken for up to 6 credits: 3 credits for the internship core requirement and 3 credits for a major elective. An extra BCN course may be taken in lieu of the internship requirement. Study abroad** can be taken for a maximum of 9 credit hours.

Minor Electives (3 credits)

Optional Business Administration Minor requirement (3 Credit Hours):

FIN3403 Financial Management (3 Credits)

(Requires 3 additional credits NOT included in the 120 total program credits)

Minor: Computing

Minor: Computing (21 credits)

Minor: Computing (University-wide) (21.0 credits)

All coursework in the minor must be completed with a grade of 'C' or better.

Conditions for the minor:

1. This minor is not available to majors in Computer Science, Information Systems, Information Science, Information Technology or Computer and Information Sciences.
2. At least 14 hours of upper-level coursework in the minor must be taken at UNF.
3. A "one repeat" rule is enforced. Students not completing a minor prerequisite or requirement on the first attempt, including W, will have only one chance to repeat the course.

PREREQ Computing (3 hrs)

- COP 2220 Programming I (3 Credits)

REQUIRED Computing (18 hrs)

- COP3503 Programming II (3 Credits)
- COP3530 Data Structures (3 Credits)
- CIS3253 Legal & Ethical Issues in Computing (3 Credits)
- COP3703 Introduction to Databases (3 Credits)
- CNT4504 Computer Networks (3 Credits)
- COT3100 Computational Structures (3 Credits)

Minor: Construction Management

Minor: Construction Management

Minor: Construction Management (30 hrs)

All coursework in the minor must be completed with a grade of 'C' or better.

Conditions for the minor:

1. This minor is not available for majors in Construction Management.
2. At least 12 hours of upper-level coursework in the minor must be taken at UNF.
3. Students seeking a minor in Construction Management must adhere to all policies stated in the UNF catalog regarding Construction Management and the College of Computing, Engineering, and Construction.

PREREQS: Construction Mgmt (18 hrs)

- ACG 2021 Financial Accounting
- BUL 3130 Legal Environment of Business
- MAC 2233 Calculus for Business (or MAC2311 Calculus I)
- BCN 1251 Construction Drawing
- BCN 1210C Construction Materials (or CGN 3501C Civil Engineering Materials)
- BCN 2405 Intro to Structures (or EGN 3311 Statics)

REQUIRED Const Mgmt Core (9 hrs)

- BCN 3611 Construction Cost Estimating
- BCN 3224 Construction Techniques
- BCN 4720 Construction Scheduling

SELECT Const Mgmt Elective (3 hrs)

Select one 4000-level Construction Management course.*

Minor: Construction Management (24 credits)

Minor in Construction Management for Civil Engineering Students Only.

Prerequisite: Students are required to be juniors to declare this minor.

Conditions for Minor:

1. At least 12 credits of upper-level coursework must be taken at UNF.
2. Students seeking a minor in Construction Management must adhere to all policies stated in the UNF catalog regarding Construction Management and the College of Computing, Engineering, and Construction (CCEC).
3. This minor is only applicable to Civil Engineering majors.

PREREQ Complete prereqs prior to Core

- BCN1251c Construction Drawing (3 credits)
- BUL3130 Legal Environment of Business (3 credits)
- MAC2311 Calculus I (3 credits)
- EGN3311 Statics (3 credits)
- CGN3501c Civil Engineering Materials (3 credits)

CORE 9 semester hours

- BCN3611 Construction Cost Estimation (3 credits)
- BCN4708 Construction Doc & Contracts (3 credits)
- BCN4720 Construction Scheduling (3 credits)

Major: BCM International Certificate

Degree: Undergraduate Certificate

Certificate Requirements (12 credits)

BCM Program total is 64 upper division semester not including the certificate requirements. **Internship can be taken for up to 6 credit hours. 3 for internship and 3 to replace BCN3012 History of Construction. Also, an approved International Construction internship can be substituted for the Study Abroad or other approved International Construction course. All international courses can be substituted within the Building Construction degree program where applicable. Students may exceed 126 hours to meet International Certificate requirements.

BCN3012 History/Intro Const (3 Credits)

BCN4011 Hist/Cult International Arch (3 Credits)

BCN4775 International Construction (3 Credits)

BCN4956 Study Abroad Const Management (3 Credits)

Major: Middle School Education
Concentration: Math/Science Option
Degree: Bachelor of Arts in Education

Prerequisites (24 credits)

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

MAC1105 (GM) College Algebra (3 Credits)

- Acceptable substitutes: MACX105, MACX147, or MACX114 and MAC X140

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitutes: MACX311

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

- Acceptable substitutes: STAX023, STAX122, STAX014

ESC2000 Discovering Earth Science (3 Credits)

- Acceptable substitutes: GLYXXXXC, METXXXXC, OCEXXXXC, or AST2002C

BSC1010C General Biology I (4 Credits)

or BSCX010/X010L

CHM2045C General Chemistry I (4 Credits)

- Acceptable substitutes: PHYX053/X053L Algebra Physics I, or PHYX048/X048L Calculus Physics I.

Core Requirements (16 credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

EDF3946 Field Laboratory II (2-4 Credits)

EDG3323 The Learning Process (3 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (35 credits)

AST2002 Discovering Astronomy (3 Credits)

- AST2002L must be taken with AST2002

BSC1011C General Biology II (4 Credits)

BSC3057 Intro to Environmental Studies (3 Credits)

EEX4484 Math Sci Except Lrnrs (3 Credits)

MAE4320 Spec Method: Middle Grade Math (3 Credits)

MTG3203 (GM)Gtry Middle School Teacher (3 Credits)

PHY1020 Discovering Physics (3 Credits)

- PHY 1020L must also be taken with PHY 1020

RED3333 Content Area Reading (3 Credits)

SCE4320 Special Methods: Mid Science (3 Credits)

SELECT Additional Math

- Select from one of the following prefixes:

MAA/MAC/MAD/MAP/MAS/MAT/MGF/MHF/MTG

TSL4324 TESOL for Content Area Teacher (3 Credits)

Internships (12 credits)

All degree course work must be completed satisfactorily prior to enrolling into Internship. Applications for fall internship are due the 4th Friday of the previous spring term. Applications for spring internship are due the 4th Friday of the previous fall term.

ESE4943 Student Internship (1-12 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: ASL/English Interpreting
Concentration: Educational Interpreting
Degree: Bachelor of Science

Prerequisites (27 credits)

- Grade of B or higher is required in ASL2140, ASL2150, INT1000, and ENC1101.

ASL2140 American Sign Language I (4 Credits)

ASL2150 American Sign Language II (4 Credits)

ENC1101 (GW) Audience and Purpose (3 Credits)

INT1000 Introduction to Interpreting (3 Credits)

INT2010 Discourse Analysis (3 Credits)

INT2113 English to ASL Sight Translatn (3 Credits)

INT2204 Interpreting in Community Sett (3 Credits)

INT2303 Interpreting Field Experience (4 Credits)

Core Requirements (12 credits)

ASL3514 Deaf Culture (3 Credits)

ASL4131 American Sign Language III (3 Credits)

ASL4211 American Sign Language IV (3 Credits)

INT3011 Linguistics for Interpreters (3 Credits)

Major Requirements (33 credits)

ASL3226 Advanced ASL Proficiency (3 Credits)

INT3134 Applied Ethics in Interpreting (3 Credits)

INT3205 Cognitive Processing (3 Credits)

INT3270 Adv ASL Classifiers Interp (3 Credits)

INT4455 Interpreting Diverse Pop (3 Credits)

INT4947 Interp Pract Portfolio Pres (6 Credits)

INT3281 ASL Prosody

INT3290 Interpreting Skill Dev I

INT4291 Interpreting Skill Dev II

INT4292 Interpreting Skill Dev III

Concentration Requirements (15 credits)

EHD4311 Psychology & Education Deaf (3 Credits)

EHD4245 Lang. & Lit for DHH Students (3 Credits)

INT4404 Interpreting in Ed Settings (3 Credits)

INT4931 Issues/Trends in Ed Interpreti

INT4409 Interpreting Academic Subjects

Major: Science Education

Concentration: Biology (6-12)

Degree: Bachelor of Arts in Education

Prerequisites (23 credits)

- Minimum "C" grade required.
- NOTE: In addition to the prerequisites listed above, UNF strongly recommends prospective Biology Education Majors to complete the following courses, if possible, while completing their general education lower division coursework:
- EDF 2085 Introduction to Diversity for Educators
- EME 2040 Introduction to Technology for Educators
- PHY 2053 Algebra Based Physics I
- PHY 2053L Algebra Based Physics I Lab Acceptable substitute: PHY 2048/2048L Calculus based Physics Lab I

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitute: MACX241

BSC1010C General Biology I (4 Credits)

- Acceptable substitute: BSC X010/X010L

BSC1011C General Biology II (4 Credits)

- Acceptable substitute: BSC X011/X011L

CHM 2045 General Chemistry I

- Acceptable Substitutes: CHM 2045C, PHY X048/X048L, PHY X048C, PHYX053/x053L, PHY X053C

CHM 2045L General Chemistry I Lab

CHM 2046 General Chemistry II

CHM 2046L General Chemistry II Lab

Acceptable Substitutes: CHM 2046C, PHY X049/X049L, PHY X049C, PHY X054/X054L, PHY X054C

Foundation (7 credits)

BSC2012C General Biology III (4 Credits)

CHM2210 Organic Chemistry I (3 Credits)

Core Requirements (16 credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

EDF3946 Field Laboratory II (2-4 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG3323 The Learning Process (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (25 credits)

Minimum grade of "C" or higher is required.

MCB3020C Microbial Biology (4 Credits)

PCB3023C Molecular and Cell Biology (4 Credits)

PCB3043C Principles of Ecology (4 Credits)

PCB3063C Genetics (4 Credits)

RED3333 Content Area Reading (3 Credits)

SCE4330 Special Meth:Secondary Science (3 Credits)

TSL4324 TESOL for Content Area Teacher (3 Credits)

Internships (12 credits)

All degree course work must be completed satisfactorily before enrolling into Internship. Fall internship applications are due the 4th Friday of the previous spring term. Spring internship applications are due the 4th Friday of the previous fall term.

ESE4943 Student Internship (1-12 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: Science Education
Concentration: Chemistry (6-12)
Degree: Bachelor of Arts in Education

Prerequisites (23 credits)

Minimum "C" grade required. NOTE: In addition to the prerequisites lists, UNF strongly encourages prospective Chemistry Education Majors to complete the following courses, if possible, while completing their general education and lower division coursework:

- EDF 2085 Intro to Diversity for Educators
- EME 2040 Intro to Technology for Educators
- BSC 1010C General Biology I

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitute: MACX311

CHM2045C General Chemistry I (4 Credits)

- Acceptable substitute: CHMX045/X045L

CHM2046C General Chemistry II (4 Credits)

- Acceptable substitute: CHMX046/X046L

PHY2053/L Algebra Based Physics & Lab I

Acceptable Substitutes: PHY X048/X048L, PHY X048C,
PHY X052/X052L, PHY X052C, PHY X053/X053L,
PHYX053C

PHY2054/L Algebra Based Physics & Lab II

Acceptable Substitutes: PHY X049/X049L, PHY X049C,
PHY X053/X053L, PHY X053C, PHY X054/X054L, PHY
X054C

Foundation (12 credits)

Minimum "C" grade required

CHM2210 Organic Chemistry I (3 Credits)

CHM2210L Organic Chemistry I Laboratory (1 Credit)

CHM2211 Organic Chemistry II (3 Credits)

CHM2211L Organic Chemistry II Lab (1 Credit)

MAC2312 (GM) Calculus II (4 Credits)

Core Requirements (16 credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

EDF3946 Field Laboratory II (2-4 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG3323 The Learning Process (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (20 credits)

CHM3120 Quantitative Analytical Chem (3 Credits)

CHM3120L Quant Analytical Chem Lab (1 Credit)

CHM3610 Inorganic Chemistry (3 Credits)

CHM4410 Physical Chemistry I (3 Credits)

CHM4410L Physical Chemistry I Lab (1 Credit)

RED3333 Content Area Reading (3 Credits)

SCE4330 Special Meth:Secondary Science (3 Credits)

TSL4324 TESOL for Content Area Teacher (3 Credits)

Internships (12 credits)

All degree course work must be completed satisfactorily before enrolling into Internship. Fall internship applications are due the 4th Friday of the previous spring term. Spring internships are due the 4th Friday of the previous fall term.

ESE4943 Student Internship (1-12 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: Early Childhood Education
Concentration: Early Childhood Development
Degree: Bachelor of Arts in Education

Prerequisites (3 credits)

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

Major Requirements (51 credits)

EDF3151 Educational Psychology (3 Credits)

EEC4245 Social Studies in EC (3 Credits)

EEC4260 Teaching the Whole Child (3 Credits)

LAE3210 Foundations of Literacy (3 Credits)

EEC3266 Program Planning Young Child (3 Credits)

EEC3731 Wellness & Move/Young Child (3 Credits)

EEC4207 Measure & Eval of Young Child (3 Credits)

EEC4321 Teaching Math in EC (3 Credits)

EEC4323 Teaching Science in EC (3 Credits)

EEC4213 Literacy in EC (3 Credits)

EEC4054 Leadership and Service in EC (3 Credits)

EEC4410 Global Community Engagement (3 Credits)

SELECT 1 course

- EEX3202 Psych/Soc Learners Exceptional (3 credits)
- EDG4340 Teaching all Learners (3 credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

TSL4340 TESOL Methods and Curriculum (3 Credits)

Internships (3 credits)

EEC4940 Childhood Practicum (3 Credits)

EEC 4940 may be substituted with Field and/or Field 2
in consultation with advisor and Curricular Area Director.

Major Electives (6 credits)

NOTE: COURSE SUBSTITUTIONS CAN BE MADE WITH
APPROVAL & REVIEW OF ADVISOR AND CURRICULAR AREA
DIRECTOR.

CHOOSE 2 courses from list below:

- EEC 4203 Primary Education II
- EEX 4604 Behavior Mang and Research
- EEX 4616 Classroom Mgmt of Exceptional Learners
- PET 3434 Teaching Movement Skills to Children
- EEC 3408 Family School Partnerships
- TSL 4324 TESOL for Secondary Content Area Teach.
- LDR 3003 Introduction to Leadership
- EDG 3324 Methods of Conceptual Teaching
- LIT 3331 Children's Literature
- LIT 3333 Adolescent Literature

Major: Science Education

Concentration: Physics (6-12)

Degree: Bachelor of Arts in Education

Prerequisites (33 credits)

NOTE: In addition to the prerequisites listed, UNF strongly encourages prospective Physics Education majors to complete the following courses, if possible, while completing their general education and lower division coursework:

- EDF 2085 Intro to Diversity for Educators
- EME 2040 Intro to Technology for Educators

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitute: MACX311

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

PHY2048/L Calculus-Based Physics I / Lab

Acceptable Substitute: PHY X048C

PHY2049/L Calculus-Based Physics II /Lab

Acceptable Substitute: PHY X049C

CHM2045/L General Chemistry I / Lab

Acceptable Substitute: CHM X045C

CHM2046/L General Chemistry II / Lab

Acceptable Substitute: CHM X046C

Foundation (4 credits)

AST2002 Discovering Astronomy (3 Credits)

AST2002L Discovering Astronomy Lab (1 Credit)

Core Requirements (16 credits)

- EDF3151 Educational Psychology (3 Credits)
- EDF3945 Field Laboratory I (2-4 Credits)
- EDF3946 Field Laboratory II (2-4 Credits)
- EDF4444 Assessment of Learn/Behavior (3 Credits)
- EDG3323 The Learning Process (3 Credits)
- EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (28 credits)

- PHY3101 Modern Physics (3 Credits)
- PHY3101L Modern Physics Lab (1 Credit)
- PHY3424C Optics with Laboratory (4 Credits)
- PHY4523 Thermodyn and Statistical Mech (4 Credits)
- RED3333 Content Area Reading (3 Credits)
- SCE4330 Special Meth:Secondary Science (3 Credits)
- TSL4324 TESOL for Content Area Teacher (3 Credits)

Electives (7 credits)

SELECT two courses from the following

to reach a minimum of 7 credits:

- AST3217 Astrophysics I (4 credits)
- PHY3722C Electronics for Scientists (4 credits)
- PHY4802L Advanced Physics Laboratory (2 credits)
- PHZ4404 Solid State Physics (3 credits)

Internships (12 credits)

- EDE4943 Practicum II: Student Intern (9 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of

Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: Early Childhood Education
Concentration: Prek-Primary Licensure
Degree: Bachelor of Arts in Education

Prerequisites (3 credits)

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

Core Requirements (9 credits)

EDF3151 Educational Psychology (3 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Internships (9 credits)

All degree course work must be completed satisfactorily before enrolling into internship, unless prior permission is obtained from the Curricular Area Director and the Department Chair. Students must have taken certification exams prior to beginning internship, unless an exception is made in consult with Curricular Area Director and advisor. Fall internship applications are due the 4th Friday of the previous spring term. Spring internship applications are due the 4th Friday of the previous fall term.

EEC4942 EC Student Internship (9 Credits)

Major Requirements (42 credits)

EEC3266 Program Planning Young Child (3 Credits)

EEC3731 Wellness & Move/Young Child (3 Credits)

EEC4054 Leadership and Service in EC (3 Credits)

EEC4207 Measure & Eval of Young Child (3 Credits)

EEC4213 Literacy in EC (3 Credits)

EEC4245 Social Studies in EC (3 Credits)

EEC4260 Teaching the Whole Child (3 Credits)

EEC4321 Teaching Math in EC (3 Credits)

EEC4323 Teaching Science in EC (3 Credits)

EEC4410 Global Community Engagement (3 Credits)

LAE3210 Foundations of Literacy (3 Credits)

SELECT One of the Following

- EEX3202 Psychology/Sociology of Learners with Exceptionalities
- EDG 4340 Teaching All Learners in a Differentiated P-6 Classroom

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

TSL4340 TESOL Methods and Curriculum (3 Credits)

Major: Social Studies Education
Concentration: Social Studies (6-12)
Degree: Bachelor of Arts in Education

Prerequisites (15 credits)

Grade of C or higher required in all prerequisite courses.

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

POS2041 Intro to American Government (3 Credits)

- Acceptable substitute: POSX041

AMH2010 United States History to 1877 (3 Credits)

- Acceptable substitute: AMHX010

AMH2020 U.S. History Since 1877 (3 Credits)

- Acceptable substitute: AMHX020

ADDITIONAL Social Studies course

Select 1 course from the following disciplines

- Anthropology (ANT)
- Cultural Geography (GEO)
- *** (Acceptable Substitute for GEO is GEA XXXX)
- Economics (ECO)
- Psychology (PSY)
- Sociology (SOC)
- NOTE: ECO 2023 IS RECOMMENDED FOR THE ABOVE SELECTION.
- NOTE: In addition to the prerequisites listed above, UNF strongly encourages prospective Social Studies majors to complete the following courses, if possible, while completing their General Education and lower division course work. ECO 2013, WOH 1012, WOH 1022, select 1 from: ANT 2000, SYG 2000, PSY 2012

Core Requirements (16 credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

EDF3946 Field Laboratory II (2-4 Credits)

EDG3323 The Learning Process (3 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (20 credits)

AMH3420 Florida History (3 Credits)

GEO3372 Conservation of Nat Resources (3 Credits)

HIS3051 (GW) Craft Of The Historian (3 Credits)

INR3016 Global Issues in Contemp Poli (3 Credits)

RED3333 Content Area Reading (3 Credits)

SSE4384 Special Method: Social Studies (3 Credits)

TSL4324 TESOL for Content Area Teacher (3 Credits)

Internships (12 credits)

All degree course work must be completed satisfactorily before enrolling into Internship. Fall internship applications are due the 4th Friday of the previous spring term. Spring internship applications are due the 4th Friday of the previous fall term.

ESE4943 Student Internship (1-12 Credits)

Major Electives (11 credits)

CHOOSE From prefixes below

- AMH/ECO/EUH/HIS/INR/LAH/POS/PSY/SOP/SYA/SYG/SYO

CHOOSE_ 1 FROM THE FOLLOWING PREFIXES

- AMH/ECO/EUH/HIS/INR/LAH/POS/PSY/SOP/SYA/SYG/SYO

SELECT 1 ASH 3000-4000 Level course

SELECT_ 1 LAH 3000-4000 Level course

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: Elementary Education
Concentration: Elementary Education (K-6)
Degree: Bachelor of Arts in Education

Prerequisites (3 credits)

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

Core Requirements (18 credits)

Applications for fall internships are due the 4th Friday of the previous spring term. Applications for spring internship are due the 4th Friday of the previous fall term.

EDF3151 Educational Psychology (3 Credits)

EDG3321 Elementary Field Experience I (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

and Communication

EDF4444 Assessment of Learn/Behavior (3 Credits)

and Behavior

EDG3322 Elementary Field Experience II (3 Credits)

EDG4442 Elem Fld Exp 3 (3 Credits)

Major Requirements (30 credits)

LAE3210 Foundations of Literacy (3 Credits)

LAE3211 Literacy Instruct and Assessmt (3 Credits)

and Assessment

LAE4312 Differentiating Instruct/Ltrcy (3 Credits)

Literacy

MAE4013 Teach Math Elementary (3 Credits)

EEC4321 Teaching Math in EC (3 Credits)

SCE4310 Science Methods Elementary (3 Credits)

SSE3313 Social Study Methods:Elem Tchr (3 Credits)

Elementary Teachers

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

TSL4340 TESOL Methods and Curriculum (3 Credits)

SELECT One of the Following

- EEX 3202 Psychology and Sociology of Learners with Exceptionalities
- EDG 4340 Teaching all Learners in a Differentiated P-6 Classroom

Internships (12 credits)

All degree course work must be completed satisfactorily and a student must have attempted the FTCE Subject Area and Professional Education exams before enrolling in Internship. Applications for fall internship are due the 4th Friday of the previous spring term. Applications for spring internship are due the 4th Friday of the previous fall term.

EDE4943 Practicum II: Student Intern (9 Credits)

EDE4936 Cpsn: Clsrm Inqry St Tchng (3 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: English Education
Concentration: English (6-12)
Degree: Bachelor of Arts in Education

Prerequisites (12 credits)

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

SPC2608 Fundamentals of Speech (3 Credits)

- Acceptable substitute SPCX017

ENGLISH Select 1 course for 3 credits

- ENLXXXX

LITERATURE Select 1 course for 3 credits

- LITXXXX
- AMLXXXX

Core Requirements (13 credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

EDF3946 Field Laboratory II (2-4 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (47 credits)

CHOOSE One of the following:

LIT3333 Adolescent Literature (3 Credits)

ENL3333 Shakespeare (3 Credits)

LAE4335 Spec Method:Secondary English (3 Credits)

ENG4013 Approach to Lit Interpretation (3 Credits)

RED4333 Content Area Reading (3 Credits)

AML3621 (GW) Black American Literature (3 Credits)

ENC3310 (GW) Writing Prose (3 Credits)

RED3310 Teaching Reading as a Process (3 Credits)

EEX3253 Teaching Students Except Sec Ed (3 Credits)

TSL3080 ESOL Foundations: Culture/Lang (3 Credits)

TSL4340 TESOL Methods and Curriculum (3 Credits)

EDG3323 The Learning Process (3 Credits)

ESE4943 Student Internship (1-12 Credits)

LAE4941 Literacy Practicum (2 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Major: Math Education

Concentration: Math (6-12)

Degree: Bachelor of Arts in Education

Prerequisites (15 credits)

A grade of "C" or better is required in all prerequisite coursework.

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitute: MACX311

MAC2312 (GM) Calculus II (4 Credits)

- Acceptable substitute: MACX312

SELECT One 4HR Math Elective

- MACXXXX/MTGXXXX/MASXXXX

Core Requirements (16 credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

EDF3946 Field Laboratory II (2-4 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

EDG3323 The Learning Process (3 Credits)

EDG4410 Classroom Management Commun (3 Credits)

Major Requirements (31 credits)

MAC2313 (GM) Calculus III (4 Credits)

MAE4330 Spec Method: Secondary Math (3 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

MAS3203 (GM) Number Theory (3 Credits)

MHF3202 (GM) Foundations of Mathematics (4 Credits)

MTG3212 (GM) Modern Geometry (3 Credits)

RED3333 Content Area Reading (3 Credits)

STA4321 (GM) Probability and Statistics (4 Credits)

TSL4324 TESOL for Content Area Teacher (3 Credits)

Internships (12 credits)

All degree course work must be completed satisfactorily before enrolling into Internship. Fall internship applications are due the 4th Friday of the previous spring term. Spring internship applications are due the 4th Friday of the previous fall term.

ESE4943 Student Internship (1-12 Credits)

48 Upper Level Hours (48 credits)

To graduate with a Bachelor's degree from the College of Education and Human Services, you must earn a minimum of 48 upper level credits out of a minimum 120 degree applicable required credit hours.

48HOURS 48 upper level hours

Minor: Professional Education

Minor: Professional Education (20 credits)

Students must earn a "C" grade or higher and an overall 2.5 GPA in the minor. Must get registration approval for all minor courses from College of Education. NOTICE: All field experiences require fingerprinting and background checks prior to placement in schools.

EDF1005 Intro to Teaching Profession (3 Credits)

EDF3151 Educational Psychology (3 Credits)

EDF3945 Field Laboratory I (2-4 Credits)

- Must be taken concurrently with EDG 3323

EDG3323 The Learning Process (3 Credits)

EDF4444 Assessment of Learn/Behavior (3 Credits)

- Prereq is EDG 3323

EDG4410 Classroom Management Commun (3 Credits)

- Prereqs:EDF 3151, EDF 3945

METHODS Select 1 Methods course:

Select a Methods course from the following list that pertains to your major:

- ARE 4353 Teaching Art with Focus
- LAE 4335 Spec. Methods: Second. Eng (prereq:EDF 3945) (Fall & Spring Only)
- MAE 4330 Spec.Methods: Second.Math (prereqs:EDF3945 and EDG 3323) (Fall Only)
- SSE 4384 Special Methods: Social Studies(prereq: EDF3945 and EDG 3323 (Fall & Spring only)
- SCE4330 (prereq: EDF3945 & EDG 3323) (Fall only)
- PET 3713 Special Methods: Cur. K8-K-12
- FLE 4333 Special Methods: Foreign Language (Fall only)
- EEX 4255 Curriculum & Inst: Learn.Except (Spring only)
- HSC 3304 Instruct. Methods in Health Ed.
- MUE 4311 Music Education Elementary School

- MUE4330 Music Education Secondary School
***(NOTE: Music Majors should take both MUE 4311 & 4300)
- RED 4333 Content Area Reading
- RED 3310 Teaching reading as a Process

Minor: Early Childhood Education

Minor: Early Childhood Education (18 credits)

- Conditions to the minor: No more than 6 credit hours are allowed to be transferred in from another institution. These transfer courses must be preapproved. A cumulative GPA of 2.5 is required for the minor. Some minor courses require an override from the College of Education and Human Services prior to registration. Some minor courses require an override from the College of Education and Human Services prior to registration.

CHOOSE 6 Credits of the following:

- EEC 4244 Int Soc Studies, Art/Music (6 credits)
- EEC 4213 Teaching Beginning Readg & Writing (6 credits)
- EEC 4210 Math, Science & Social Studies (6 credits)
- EEC 4054 Early Childhood Ldshp in Comm. Svc (3 credits)
- EDG 4905 Individual Investigation and Study (3 credits)

REQUIRED These are required courses:

- EEC 3266 Program Planning for Infants, Toddlers & Yg
- EEC 3408 Family School Partnerships
- EEC 4260 Teaching the Whole Child
- LAE 3210 Foundations of Literacy .

Minor: TESOL

Minor: TESOL (15 credits)

OPTION 1 Take the following 5 courses

- TSL 3080 Principles and Issues in TESOL (3 credits) A field experience is required as part of the course.
- TSL 4340 TESOL Methods and Curriculum (3 credits) A field experience is required as part of the course.
- TSL 4240 Applied Linguistics and Grammar in TESOL (3 credits) A field experience is required as part of the course.
- EDF 2085 Introduction to Diversity for Educators (3 credits)
- Choose one multicultural-/language-/diversity-related course in consultation with a TESOL program faculty advisor (3 credits)

OPTION 2 Take the following 5 courses

- TSL 4324 TESOL for Content Area Teachers (3 credits) A field experience is required as part of the course.
- TSL 4944 TESOL Practicum (3 credits)
- TSL 4240 Applied Linguistics and Grammar in TESOL (3 credits) A field experience is required as part of the course.
- EDF 2085 Introduction to Diversity for Educators (3 credits)
- Choose one multicultural-/language-/diversity-related course in consultation with a TESOL program faculty advisor (3 credits)

Major: Computer Sc HS Teachers Cert

Degree: Undergraduate Certificate

Certificate Requirements (12 credits)

Prerequisite/Co-requisite course: CGS1570 Microcomputer
Application Software (3 credits)

ESE2210 Intro to CS for Teach (3 Credits)

IDC2000 Beauty and Joy of Computing (3 Credits)

COP2551 Introduction to OO Programming (3 Credits)

COP2220 may be substituted by permission of program
coordinator.

ESE2211 Teach CS in Sec Schls (3 Credits)

Major: Teaching English Abroad

Degree: Undergraduate Certificate

Certificate Requirements (15 credits)

TRACK 1

- TSL3080 ESOL Foundations: Culture and Language (3 Credits)
- TSL4340 TESOL Methods, Curriculum, and Assessment (3 Credits)
- TSL4240 Applied linguistics and Grammar in TESOL (3 Credits)
- TSL4520 ESOL Cross-Cultural Communication (3 Credits) OR TSL4441 Assessment in ESOL Settings (3 Credits)
- TSL4944 TESOL Practicum (3 Credits)

TRACK 2

- TSL4324 ESOL Issues and Strategies in Content Instruction (3 Credits)
- TSL4240 Applied linguistics and Grammar in TESOL (3 Credits)
- TSL4520 ESOL Cross-Cultural Communication (3 Credits)
- TSL4441 Assessment in ESOL Settings (3 Credits)
- TSL4944 TESOL Practicum (3 Credits)

Major: Anesthesiology Nursing

Degree: Doctor of Nursing Practice

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Complete all course work within the prescribed timeline of being admitted into the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Earn no more than 2 grades of less than B throughout the program.
- Be in good standing; not subject to any sanction by the University community or School of Nursing.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- Meet graduation requirements applicable to all University students; such as residency hours and final requirements.
- If you earned graduate level (5000/6000 level) credit from another institution, consult with your Program Director .
- Apply for graduation online through myWings by the 2nd week of the semester you are graduating (see academic calendar at www.unf.edu for specific deadlines).

1st Semester (15 credits)

Spring semester

NGR6740 Role Dev in Adv Practice Nsg (3 Credits)

NGR7871 Health Informatics for AP (3 Credits)

NGR7843 Stat Interp for Adv Prac (3 Credits)

NGR6892 Pub Pol Impl Adv Prac (3 Credits)

NGR5141 Advanced Pathophysiology (3 Credits)

2nd Semester (13 credits)

Summer semester

NGR6673 Prin Epidem for Adv Prac (3 Credits)

NGR5110 Theory Framework for Practice (3 Credits)

NGR5003C Health Assessment/Diagnostics (1-4 Credits)

NGR5810 Research Methods for EBP (3 Credits)

3rd Semester (11 credits)

Fall semester

NGR5172 Pharmacotherapeutics (3 Credits)

NGR6421 Prin of Anesth Nursing I (2 Credits)

NGR6400 Chem and Phy Anes Nsg-I (2 Credits)

NGR6460 Pharm Anes Nsg I (1 Credit)

NGR6492 Prof Asp of Anesthesiology Nur (1 Credit)

NGR6431L Anesth Nursing Practicum I (1 Credit)

NGR6493 Technology in Anesth Nursing (1 Credit)

4th Semester (13 credits)

Spring semester

NGR6490 Regional Anesthesia (2 Credits)

NGR6422 Prin of Anesth Nursing II (3 Credits)

NGR6461 Pharm Anes Nsg II (2 Credits)

NGR6401 Chem and Phy Anes Nsg-II (1 Credit)

NGR7768 Adv Prac Nsg Role Tran (2-3 Credits)

NGR6432L Anesth Nursing Practicum II (3 Credits)

5th Semester (12 credits)

Summer semester

NGR6404 Adv Biosc Anes Nsg I (3 Credits)

NGR6423 Prin of Anesth Nursing III (2 Credits)

NGR7850 Evidence Based Practice I (3 Credits)

NGR6433L Anesth Nursing Practicum III (4 Credits)

6th Semester (12 credits)

Fall semester

NGR7851 Evidence Based Practice II (3 Credits)

NGR6405 Adv Biosc Anesth Nursing II (3 Credits)

NGR6434L Anesth Nursing Practicum IV (6 Credits)

7th Semester (13 credits)

Spring semester

NGR6424 Prin of Anesth Nursing IV (2 Credits)

NGR6494 Adv Mod Pain Mgt (3 Credits)

NGR6435L Anesth Nursing Practicum V (6 Credits)

NGR7974 Doctoral Project (1-6 Credits)

8th Semester (11 credits)

Summer semester

NGR6894 Global Health Care and Culture (3 Credits)

NGR7974 Doctoral Project (1-6 Credits)

NGR7946 Residency in ANP (1-6 Credits)

9th Semester (11 credits)

Fall semester

NGR6491 Adv Anes Nsg Sem (3 Credits)

NGR7974 Doctoral Project (1-6 Credits)

NGR7946 Residency in ANP (1-6 Credits)

Major: Nursing

Concentration: Nursing Education

Degree: Master of Science in Nursing

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Complete all course work within the prescribed timeline of being admitted into the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Earn no more than 2 grades of less than B throughout the program.
- Be in good standing; not subject to any sanction by the University community or School of Nursing.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- Meet graduation requirements applicable to all University students; such as residency hours and final requirements.
- If you earned graduate level (5000/6000 level) credit from another institution, consult with your Program Director .
- Apply for graduation online through myWings by the 2nd week of the semester you are graduating (see academic calendar at www.unf.edu for specific deadlines).

Core Requirements

NGR5110 Theory Framework for Practice (3 Credits)

NGR5810 Research Methods for EBP (3 Credits)

NGR6816 Applied Nursing Research (3 Credits)

NGR6970 Nursing Project (1-3 Credits)

- A minimum of 1 credit in NGR6970 if enrolled in Leadership & Admin concentration
- A minimum of 3 credits in NGR6970 if enrolled in Nursing Education concentration

Concentration Requirements (22 credits)

NGR5057 Health Assessment and Pharm (4 Credits)

NGR5141 Advanced Pathophysiology (3 Credits)

NGR7871 Health Informatics for AP (3 Credits)

NGR6710 Teaching Nursing (3 Credits)

NGR6712 Curriculum and Instruction (3 Credits)

NGR6718 Evaluation Techniques (3 Credits)

NGR6942 Capstone in Nursing Education (3 Credits)

Major: Nursing
Concentration: Psychiatric/Mental Health NP
Degree: Doctor of Nursing Practice

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Complete all course work within the prescribed timeline of being admitted into the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Earn no more than 2 grades of less than B throughout the program.
- Be in good standing; not subject to any sanction by the University community or School of Nursing.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- Meet graduation requirements applicable to all University students; such as residency hours and final requirements.
- If you earned graduate level (5000/6000 level) credit from another institution, consult with your Program Director .
- Apply for graduation online through myWings by the 2nd week of the semester you are graduating (see academic calendar at www.unf.edu for specific deadlines).

1st Semester (12 credits)

Fall semester

NGR6894 Global Health Care and Culture (3 Credits)

MHS6941 Clinical Counseling Skills (3 Credits)

NGR6740 Role Dev in Adv Practice Nsg (3 Credits)

NGR6538 Psychopharmacology (3 Credits)

2nd Semester (14 credits)

Spring semester

NGR6512C Diag/Manage Psych Conditions 2 (5 Credits)

NGR7843 Stat Interp for Adv Prac (3 Credits)

MHS6070 Psychopathology (3 Credits)

NGR7871 Health Informatics for AP (3 Credits)

3rd Semester (11 credits)

Summer semester

NGR6510C Diag/Manag of Older Adults (5 Credits)

NGR6673 Prin Epidem for Adv Prac (3 Credits)

NGR7850 Evidence Based Practice I (3 Credits)

4th Semester (14 credits)

Fall semester

NGR6511C Diag/Manag of Adults (5 Credits)

NGR7851 Evidence Based Practice II (3 Credits)

NGR6892 Pub Pol Impl Adv Prac (3 Credits)

NGR7767 Practice Management (3 Credits)

5th Semester (5 credits)

Spring semester

NGR7946 Residency in ANP (1-6 Credits)

DNP PMHNP students should take 3 credits of
NGR7946.

NGR7974 Doctoral Project (1-6 Credits)

DNP PMHNP students should take 2 credits of
NGR7974.

6th Semester (5 credits)

Summer semester

NGR7946 Residency in ANP (1-6 Credits)

DNP PMHNP students should take 3 credits of
NGR7946.

NGR7974 Doctoral Project (1-6 Credits)

DNP PMHNP students should take 2 credits of
NGR7974.

Major: Nursing

Degree: Doctor of Nursing Practice

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Complete all course work within the prescribed timeline of being admitted into the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Earn no more than 2 grades of less than B throughout the program.
- Be in good standing; not subject to any sanction by the University community or School of Nursing.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- Meet graduation requirements applicable to all University students; such as residency hours and final requirements.
- If you earned graduate level (5000/6000 level) credit from another institution, consult with your Program Director .
- Apply for graduation online through myWings by the 2nd week of the semester you are graduating (see academic calendar at www.unf.edu for specific deadlines).

Core Requirements (24 credits)

NGR6740 Role Dev in Adv Practice Nsg (3 Credits)

NGR7871 Health Informatics for AP (3 Credits)

SELECT one Epidemiology course

- NGR6673 - Principles of Epidemiology for Adv. Practice
- HSC6505 - Epidemiology

SELECT one Statistics course

- NGR7843 - Statistical Interpretation for Adv. Practice
- HSC6512 - Applied Health Statistics

SELECT one Policy course

- NGR6892 - Public Policy Implications for Adv. Practice
- HSA6905 - Health Policy

NGR7850 Evidence Based Practice I (3 Credits)

NGR7851 Evidence Based Practice II (3 Credits)

NGR6894 Global Health Care and Culture (3 Credits)

Practice Residency (15 credits)

NGR7946 Residency in ANP (1-6 Credits)

NGR7974 Doctoral Project (1-6 Credits)

Major Electives (9 credits)

Select a track; Administration or Practice

In addition, those desiring additional certification as a Family Nurse Practitioner are required to complete the following traditional on-campus courses.

- NGR5003c Health Assessment and Diagnostics (1-4 credits)
- NGR5610 Diagnosis and Management of Acute Problems of Adults and Children in Primary Care (5 credits)
- NGR6602c Promoting the Health of Children, Men and Women in Primary Care (3-6 credits)
- NGR6603c Diagnosis and Management of Chronic Conditions of Adults and Children in Primary Care (3-6 credits)

ADMIN Track

- NGR6726 - Quality Management for Adv. Nursing Practice (3 credits)
- HSA6435 - Health Economics (3 credits)
- One elective at the 5000-6000 level with NGR, HSA or HSC prefixes in consultation with the Program Director (3 credits)

PRACTICE Track

- NGR7179 - Adv. Pharmacologic Management (3 credits)
- NGR7154 - Advanced Bioscience (3 credits)
- NGR7767 - Practice Management in Adv. Nursing and Healthcare (3 credits)

Major: Nursing

Concentration: Leadership & Administration

Degree: Master of Science in Nursing

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Complete all course work within the prescribed timeline of being admitted into the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Earn no more than 2 grades of less than B throughout the program.
- Be in good standing; not subject to any sanction by the University community or School of Nursing.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- Meet graduation requirements applicable to all University students; such as residency hours and final requirements.
- If you earned graduate level (5000/6000 level) credit from another institution, consult with your Program Director .
- Apply for graduation online through myWings by the 2nd week of the semester you are graduating (see academic calendar at www.unf.edu for specific deadlines).

Core Requirements

NGR5110 Theory Framework for Practice (3 Credits)

NGR5810 Research Methods for EBP (3 Credits)

NGR6816 Applied Nursing Research (3 Credits)

NGR6970 Nursing Project (1-3 Credits)

- A minimum of 1 credit in NGR6970 if enrolled in Leadership & Admin concentration
- A minimum of 3 credits in NGR6970 if enrolled in Nursing Education concentration

Concentration Requirements (24 credits)

NGR6726 Quality Mgt for ANP (3 Credits)

NGR6892 Pub Pol Impl Adv Prac (3 Credits)

NGR7871 Health Informatics for AP (3 Credits)

NGR6729 Capstone in Nsg Lead and Admin (3 Credits)

HSA6436 Health Econ/Reimb (3 Credits)

HSA6386 Pop Health/Health Execs (3 Credits)

HSA6187 HR in Health Org (3 Credits)

HSA6512 Leadership: Org Beh/Health (3 Credits)

Major: Nursing
Concentration: Nurse Practitioner (Family)
Degree: Doctor of Nursing Practice

Informational Text

- Satisfactorily complete all courses required by the program and approved by the university.
- Satisfactorily complete all clinical requirements.
- Complete all course work within the prescribed timeline of being admitted into the program.
- Attain a 3.0 GPA average in all work counting toward the graduate degree.
- Earn no more than 2 grades of less than B throughout the program.
- Be in good standing; not subject to any sanction by the University community or School of Nursing.
- All students in the Brooks College of Health programs will be held accountable to the most recent Code of Ethics, Guides for Professional Conduct and/or Position Statements as developed by their respective disciplines. Refer to your program handbook.
- Meet graduation requirements applicable to all University students; such as residency hours and final requirements.
- If you earned graduate level (5000/6000 level) credit from another institution, consult with your Program Director .
- Apply for graduation online through myWings by the 2nd week of the semester you are graduating (see academic calendar at www.unf.edu for specific deadlines).

1st Semester (13 credits)

Fall semester

NGR5003C Health Assessment/Diagnostics (1-4 Credits)

NGR5172 Pharmacotherapeutics (3 Credits)

NGR5141 Advanced Pathophysiology (3 Credits)

NGR6740 Role Dev in Adv Practice Nsg (3 Credits)

2nd Semester (11 credits)

Spring semester

NGR5601C Dx and Manage Acute Cond (5 Credits)

NGR5110 Theory Framework for Practice (3 Credits)

NGR7843 Stat Interp for Adv Prac (3 Credits)

3rd Semester (12 credits)

Summer semester

NGR6602C Hlth Prom of Child, Men, Women (3-6 Credits)

NGR5810 Research Methods for EBP (3 Credits)

NGR7154 Advanced Bioscience (3 Credits)

4th Semester (12 credits)

Fall semester

NGR6603C Diag Manage Chr Cond (6 Credits)

NGR6673 Prin Epidem for Adv Prac (3 Credits)

NGR7179 Adv Pharm Mgt (3 Credits)

5th Semester (11 credits)

Spring semester

NGR7768 Adv Prac Nsg Role Tran (2-3 Credits)

NGR6894 Global Health Care and Culture (3 Credits)

NGR7946 Residency in ANP (1-6 Credits)

NGR7850 Evidence Based Practice I (3 Credits)

6th Semester (11 credits)

Summer semester

NGR7871 Health Informatics for AP (3 Credits)

NGR6892 Pub Pol Impl Adv Prac (3 Credits)

NGR7946 Residency in ANP (1-6 Credits)

NGR7851 Evidence Based Practice II (3 Credits)

7th Semester (8 credits)

Fall semester

NGR7767 Practice Management (3 Credits)

NGR7946 Residency in ANP (1-6 Credits)

NGR7974 Doctoral Project (1-6 Credits)

8th Semester (4 credits)

Spring semester

NGR7974 Doctoral Project (1-6 Credits)

NGR7946 Residency in ANP (1-6 Credits)

Major: Health Informatics Certificate
Degree: Post-Baccalaureate Certificate

Certificate Requirements (12 credits)

HSA6114 Health Organization/Delivery (3 Credits)

ISM6021 Mgmt Information Technology (3 Credits)

CAP6768 Data Analytics (3 Credits)

NGR6875 HIT Certificate Capstone (3 Credits)

Prerequisites: HSA6114, ISM6021

Major: Global Health Admin Cert
Degree: Post-Baccalaureate Certificate

Certificate Requirements (12 credits)

HSA6114 Health Organization/Delivery (3 Credits)

HSA6186 HC Leadership/Org Theory (3 Credits)

HSA6112 Intl Health Syst (3 Credits)

HSA6940 MHA Internship (3 Credits)

Major: Psychiatric Mental Health

Degree: Post-Masters Certificate

Certificate Requirements (30 credits)

SEMESTER 1 Fall 1

- MHS6941 Clinical Counseling Skills
- NGR6538 Psychopharmacology

SEMESTER 2 Spring 1

- NGR6512c Diagnosis and Management of Psychiatric Conditions in Children
- MHS6070 Psychopathology

SEMESTER 3 Summer 1

- NGR6510c Diagnosis and Management of Psychiatric Conditions in Older Adults

SEMESTER 4 Fall 2

- NGR6511c Diagnosis and Management of Psychiatric Conditions in Adults

SEMESTER 5 Spring 2

- NGR7946 Residency in Advanced Practice

SEMESTER 6 Summer 2

- NGR7946 Residency in Advanced Practice

Major: Accounting
Concentration: Taxation Concentration
Degree: Master of Accountancy

Prerequisites (27 credits)

(non-business majors) 27 hours of business subjects are required with a grade of C or better. Students who have completed their bachelor's degree in business will normally have completed these courses. All prerequisites must be completed before enrolling in 6000-level coursework.

ACG2021 Prin of Financial Accounting (3 Credits)

(or substitute both ACG2001 & ACG2011 for ACG2021)

ACG2071 Prin Managerial Accounting (3 Credits)

BUL3130 Legal Environment of Business (3 Credits)

ECO5115 Introduction Economic Analysis (3 Credits)

(or substitute both ECO2013 & ECO2023 for ECO5115)

FIN5405 Essentials of Managerial Finan (3 Credits)

(or substitute both ACG2021 & FIN3403 for FIN5405)

MAN3025 Principles of Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must apply on-line at unf.edu/coggin in order to get permission to register for this course.

MAR3023 Principles of Marketing (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

Foundation (21 credits)

(non-accounting majors) 21 hours in accounting are required with a grade of "C" or better.

ACG3103 Intermediate Accounting I (3 Credits)

ACG3113 Intermediate Accounting II (3 Credits)

ACG3123 Intermediate Accounting III (3 Credits)

ACG4361 Cost Accounting (3 Credits)

ACG4401 Accounting Information Systems (3 Credits)

ACG4651 Auditing (3 Credits)

TAX3001 Federal Income Tax (3 Credits)

Major Requirements (33 credits)

This program requires 33 hours of 6000-level courses. A minimum of 24 hours must be earned at UNF. Students seeking a second masters degree must complete at least 24 semester hours of new coursework at UNF. A 3.00 GPA is required.

Core requirements-Tax

24 credit hours are required. Most ACG and TAX courses are offered only once per year.

ACG6309 Advanced Man Accounting Theory (3 Credits)

ACG6405 Advanced Account Info Systems (3 Credits)

ACG6645 Auditing Theory (3 Credits)

ACG6805 Advanced Accounting Theory (3 Credits)

ECO6415 Making Decisions with Data (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

TAX6045 Tax Research and Writing (3 Credits)

TAX6105 Taxation in Business Corp (3 Credits)

Major electives-Tax

SELECT Three TAX courses

6000 level. Excluding TAX6726, TAX6045, or TAX6105.
(Tax courses are normally offered only once per year)

Major: General Business
Concentration: International Business
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726. Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes.

CHOOSE Any three (3) of the following

with Global or International in the title (including 1 study abroad course). Any student doing a full semester abroad (minimum 9 semester hours- 6000 level) at a Coggin College of Business exchange partner will automatically qualify for the Concentration regardless of the course taken. MAN6606 - Cultural Environment of Global Business, MAN6931 - Special Topics in Management, FIN6605 - International Finance, MAR6158 - International Marketing BUL6850 - Legal Aspects of International Business ECO6705 - The Global Economy MAN6067 - Global Business Ethics TRA6725 - International Logistics GEO6506 - Economic Geography & GIS TAX6505 - International Taxation ACG6957 - Study Abroad in Accounting ECO6957 - Study Abroad in Economics FIN6957 - Study Abroad in Finance GEB6957 - Study Abroad in Business MAN6957 - Study Abroad in Management MAR6957 - Study Abroad in Marketing TRA6957 - Study Abroad in Logistics

Major: Accounting

Degree: Master of Accountancy

Prerequisites (27 credits)

(non-business majors) 27 hours of business subjects are required with a grade of C or better. Students who have completed their bachelor's degree in business will normally have completed these courses. All prerequisites must be completed before enrolling in 6000-level coursework.

ACG2021 Prin of Financial Accounting (3 Credits)

(or substitute both ACG2001 & ACG2011 for ACG2021)

ACG2071 Prin Managerial Accounting (3 Credits)

BUL3130 Legal Environment of Business (3 Credits)

ECO5115 Introduction Economic Analysis (3 Credits)

(or substitute both ECO2013 & ECO2023 for ECO5115)

FIN5405 Essentials of Managerial Finan (3 Credits)

(or substitute both ACG2021 & FIN3403 for FIN5405)

MAN3025 Principles of Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

You must apply on-line at unf.edu/coggin in order to get permission to register for this course.

MAR3023 Principles of Marketing (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

Foundation (21 credits)

(non-accounting majors) 21 hours in accounting are required with a grade of "C" or better.

ACG3103 Intermediate Accounting I (3 Credits)

ACG3113 Intermediate Accounting II (3 Credits)

ACG3123 Intermediate Accounting III (3 Credits)

ACG4361 Cost Accounting (3 Credits)

ACG4401 Accounting Information Systems (3 Credits)

ACG4651 Auditing (3 Credits)

TAX3001 Federal Income Tax (3 Credits)

Major Requirements (33 credits)

This program requires 33 hours of 6000-level courses. A minimum of 24 hours must be earned at UNF. Students seeking a second masters degree must complete at least 24 semester hours of new coursework at UNF. A 3.00 GPA is required. A MACC student may not make less than a "C" in any course.

Core Requirement-MACC

21 semester hours are required. Most ACG and TAX courses are only offered once a year.

ACG6309 Advanced Man Accounting Theory (3 Credits)

ACG6405 Advanced Account Info Systems (3 Credits)

ACG6645 Auditing Theory (3 Credits)

ACG6805 Advanced Accounting Theory (3 Credits)

ECO6415 Making Decisions with Data (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

TAX6105 Taxation in Business Corp (3 Credits)

Major electives-MACC

At least six hours must be in ACG or TAX courses.

CHOOSE Three courses

(9 credit hours) at the 6000 level - ACG/FIN/REE/TAX

(Excluding ACG 6005, ACG 6305, FIN 6407 and TAX 6726)

Business elective-MACC

SELECT One course

(3 credit hours) 6000 LEVEL non-Accounting

BUL/ECO/ECP/FIN/GEB/ISM/MAN/MAR/QMB/REE/TRA
(Excluding BUL 6138, ECO 6060, FIN 6407, MAN 6002,
MAN 6032, MAN 6536 and MAR 6055)

Major: General Business

Concentration: Logistics

Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors MUST substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726.

Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes.

TRA6157 Supply Chain Management (3 Credits)

Must take this course (Normally offered spring)

SELECT any one of the following

- TRA6216 Strategic Logistics Management (normally offered Fall)
- TRA6725 International Logistics

SELECT any one of the following

- ACG6309 Advanced Managerial Accounting Theory (students requiring this course in their core may not count it twice in their program)
- MAN6581 (formerly MAN6026) Project Management
- MAN6559 Quantitative Management Analysis
- MAR6206 Marketing Channel Systems
- MAR6726 Marketing on the Internet: Strategies and Programs
- TRA6905 Directed Individual Study

Major: Business Analytics

Degree: Master of Science

Informational Text

This program requires 30 credit hours. The common core (21 credits) are earned through graduate courses in the Coggin College of Business and the School of Computing. The elective hours (9 credits) are selected from areas of specialization including Computing, Finance, Marketing, Social Media, Accounting, HR, Sports Management, and Data Science.

Core Requirements (21 credits)

Required courses (7 course - 21 credit hours); all courses 3 credit hours.

CAP6768 Data Analytics (3 Credits)

CIS6283 Programming for Data Science

ISM6021 Mgmt Information Technology (3 Credits)

ISM6419 Data Visualization (3 Credits)

ISM6404 Applications of Buss Analytics (3 Credits)

ECO6415 Making Decisions with Data (3 Credits)

CEN6940 Computing Practicum (3 Credits)

Electives (9 credits)

Select 9 credit hours of electives from an area of specialization. The list below provides sample elective courses to choose from. Other courses may be approved with permission of the CCB Graduate Program Director.

SELECT 3 courses (9 credits)

- MAR6735: Consumer Analytics
- MAR6726: Digital Marketing Analytics
- ECP6705: Economics of Business Decisions
- GEO6506: Economic Geography & Geographic Info Systems
- REE6146: Real Property Analysis
- FIN6455: Financial Modeling

- MAN6789: Social Media & Business Analytics
- MAN6785: E-Business Strategy
- MAN6581: Project Management
- MAN6525: Process Management & Quality Improvements
- CAP5771: Data Mining
- COP5716: Data Modeling & Performance
- SPM6008: Foundations of Sport Management
- SPM5308: Marketing & Promotions in Sport

Major: General Business
Concentration: Management Applications
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726. Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes.

SELECT option 1 - three courses

Any MAN at the 6000 level (Excluding: MAN6002, MAN6536, MAN6724 AND courses that are part of the core)

SELECT Option2 - three courses

TRA6157 E-Supply chain Mgmt (normally offered Spring only) or TRA6216 Strategic Logistics (normally offered Fall only) And any MAN at the 6000 level (Excluding: MAN6002, MAN6536, MAN6724 AND any courses that are part of the core)

Major: General Business

Concentration: Accounting

Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors MUST substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726. Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Student must make a "B" or better in all concentration classes. All students that concentrate in accounting must substitute ACG6309 for ACG6305 and should substitute ACG6405 for ISM6021 ***Pre-requisites are strictly enforced***

SELECT Option 1

**** (for student with an undergrad degree in accounting) ****
ACG6805 - Advance Acctg Theory, ACG6645 - Auditing Theory and one 6000 level - ACG or TAX course.
EXCLUDING TAX6726, ACG 6005 and ACG6305.

SELECT option 2

**** (if student has an undergraduate degree OTHER THAN accounting) **** ACG6805 - Advance Acctg Theory, TAX6105 - Taxation of Business Corps and ACG6645 - Auditing Theory.

Major: General Business
Concentration: Marketing Analytics
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726. Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

(9 credits)

Students must make a "B" or better in all concentration classes. Each course is offered once a year.

MAR6616 Marketing Research (3 Credits)

ISM6404 Applications of Buss Analytics (3 Credits)

SELECT ONE course (3 Credits)

MAR6726: Digital Marketing Analytics (prerequisites:
MAR 6805 or instructor permission AND ECO 6415
Decisions with Data

or

MAR6735: Consumer Analytics (prerequisites:
MAR6805 or instructor permission AND ECO6415
Decisions with Data

Major: General Business
Concentration: Construction Management
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726.

Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes. Each course is only offered once a year.

BCN6728 Constr Planning/Scheduling (3 Credits)

BCN6748 Construction Law (3 Credits)

SELECT ONE

And choice of one of the following courses:

- BCN6595 Environmental Issue Land/Const
- BCN6770 Advanced Topics in Construction Mngt
- BCN6949 Construction Management Practicum

Major: General Business
Concentration: Marketing
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors MUST substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726.

Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Student must make a "B" or better in all concentration classes.

MAR6506 Consumer Behavior (3 Credits)

MAR6616 Marketing Research (3 Credits)

Prerequisite: ECO 6415 Making Decisions with Data

SELECT1 one course

SELECT any 6000 level MAR prefix course (3 credits)
(Excluding: MAR6055)

Major: General Business

Concentration: e-Business

Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors MUST substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726.

Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes. If Study Abroad courses are chosen, these courses must have a significant e-commerce orientation to be counted toward this concentration.

MAN6785 E-Business Strategy (3 Credits)

SELECT two of the following

MAR6726 - Mktg on Internet, TRA6157 - E-Supply Chain Mgmt, MAN6875 - Entre/Venture Capital, MAN6581 (formerly MAN6026) - Project Management, MAN6959 - Study Abroad in Mgmt., MAR6959 - Study Abroad in Mrkt. (if study abroad course is, chosen, it must have a substantial E-Business orientation. Requires pre-approval), MAN 6931 - Social Media and Business Analytics

Major: General Business
Concentration: Sports Management
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726.

Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes. SPM6008 foundations of Sport Management (3 hours) - to be taken if one does not have an undergraduate degree or minor in Sports Management.

SELECT 3 of the 4 courses

Students may take any 3 of the four courses listed below

- SPM5206 Ethics and Issues in Sport
- SPM5506 Sport Finance
- SPM6106 Facilities and Risk Management
- SPM5308 Marketing and Promotions

Major: General Business
Concentration: Economics and Geography
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726.

Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes.

CHOOSE Three of the following

with prefix ECO/ECP/GEO at 6000-Level (Excluding ECO 6060)

Major: General Business

Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors MUST substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726. Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Electives (9 credits)

MBA students may use a maximum of ONE faculty -led Study Abroad at the 6000 - level in their program.

SELECT Three courses

6000 level with the listed Prefix:

ACG/BUL/ECO/ECP/FIN/GEB/GEO/ISM/MAN/MAR/QMB/REE/TAX/TRA
(Excluding: ACG6005, BUL6138, ECO6060, FIN6407,
MAN6002, MAN6536, MAN6724, MAR6055)

Major: General Business
Concentration: Finance Concentration
Degree: Master of Business Admin.

Prerequisites (15 credits)

Students must have completed (or be completing all prerequisites or have permission from the graduate advisor) before enrolling in other MBA coursework.

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

Major Requirements (27 credits)

Can be taken in any semester in which the course is offered.

ACG6305 Management Accounting (3 Credits)

Accounting majors **MUST** substitute ACG6309 for ACG6305.

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

FIN6406 Advanced Financial Management (3 Credits)

Co-requisite of ECO 6415

ISM6021 Mgmt Information Technology (3 Credits)

Accounting majors should substitute ACG 6405 for ISM 6021 (if CPA credit is desired).

MAN6296 Organizational Leadership (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

Prerequisite ECO6415

MAR6805 Marketing Strategy (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAN6726 is a permission only course and must be taken in your final semester. Students must have a 3.0 graduate level GPA before enrolling in MAN6726. Students must apply for MAN6726 the semester prior to the semester they plan to graduate and can only register with permission from advising. Apply on the Coggin Advising website.

Concentration Requirements (9 credits)

Student must make a "B" or better in all concentration classes.

SELECT two courses

from: FIN6314 - Bank & Finance Admin., FIN6515 (formerly FIN6516) - Investments, FIN6605 - International Finance, FIN 6535 - Derivative Securities, FIN6565 - Managed Investment Fund 1, FIN6566 - Managed Investment Fund 2, FIN6906 - Special work in Finance, FIN6936 - Special Topics in Finance, REE6146 - Real Property Analysis, REE6906 - Directed Independent Study, FIN6957 - Study Abroad in Finance

SELECT one course 6000-LEVEL

ACG/BUL/ECO/ECP/FIN/GEB/ISM/
MAN/QMB/MAR/REE/TAX/TRA (Excluding: ACG6005, BUL6138, ECO6060, FIN6407, MAN6002 MAN6536, MAN6724, MAR6055)

Major: Logistics & Supply Chain Mgmt

Degree: Master of Science

Informational Text

This program requires 32 credit hours of 6000-level courses.

- A maximum of 6 credit hours of graduate level coursework can be transferred into the degree with program review and approval. Transient/concurrent enrollment at other institutions is not permitted.
- Transfer coursework must come from an AACSB accredited institution and you must have a "B" or higher.
- Students seeking a second Masters degree must complete at least 26 credit hours of new coursework at UNF.
- A 3.00 program GPA is required for graduation and to be in good academic standing. A "C" or higher is required in all courses. Your GPA will reflect all repeated courses even though credit for a course may be received only once.

Core Requirements (29 credits)

ECO6415 Making Decisions with Data (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

MAN6525 Process Mgmt and Qual (3 Credits)

MAR6205 Strategic Sourcing (3 Credits)

TRA6015 Survey in Transport (3 Credits)

TRA6157 Supply Chain Management (3 Credits)

TRA6216 Strategic Logistics Management (3 Credits)

TRA6725 International Logistics (3 Credits)

TRA6906 Research Project (5 Credits)

Electives (3 credits)

SELECT One course

ECO6705 Global Economy (3 credits)

GEO6506 Economic Geography & Geographic

Information Systems (3 credits)

MAN6931 Special Topics in Management (3 credits)

Major: General Business

Concentration: GlobalMBA

Degree: Master of Business Admin.

Informational Text

- All students must be fully admitted into the GlobalMBA
- Students must earn a cumulative GPA of 3.0 or higher in order to graduate.
- Students must successfully complete all requirements for both degrees in order to earn either degree.
- Students must meet the thesis requirement in order to complete this program
- Students earn an M.B.A. & an M.A. in International Management and Intercultural Communication

Semester in Germany (18 credits)

Cologne University of Applied Sciences - Cologne, Germany

ACG6305X International Mgmt Accounting

ECO6415X Decisions with Data

ECP6705X Global Economic/Thesis Seminar

MAN6101X Intercultural Communication

MAN6102X Applied Intcult Comm Germany

MAN6111X Business Environment Germany

Semester in Poland (21 credits)

Warsaw University - Warsaw, Poland

FIN6406X Advanced Financial Management

ISM6021X Mgmt Information Systems

MAN6202X Applied Intcult Comm Poland

MAN6204X Organizational Theory

MAN6211X Business Environment Poland

MAN6305X Human Resource Management

MAN6601X International Management

Semester in China (9 credits)

Dongbei University of Finance and Economics - Dalian, China

FIN6605X International Finance

MAN6302X Applied Intercultural Communic

MAN6311X Business Environment

Semester at UNF (15 credits)

University of North Florida - Jacksonville, Florida

MAN6501 Modeling/Management Operations (3 Credits)

MAN6656 Bus Environment US (3 Credits)

MAN6666 App Intcltrl Comm US (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

MAR6158 International Marketing (3 Credits)

Major: Management

Degree: Master of Science

Informational Text

- Complete course prerequisites before registering for any graduate course.
- A student must not make less than a 'C' on any MSM course and a 'B' or better on transfers.
- Your GPA will reflect all repeated courses even though credit for a course may be received only once.
- Transient/concurrent enrollment at other institutions is not permitted.
- A 3.0 GPA at 6000 level, UNF & program level is required at all times.

Core Requirements (12 credits)

All four courses in Level 1 are required

ACG6005 Financial Accounting (3 Credits)

ECO6060 Economic Analysis (3 Credits)

MAN6002 Cornerstones of Management (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

(12 credits)

All four courses in Level 2 are required.

BUL6138 Management Legal Environment (3 Credits)

FIN6407 Financial Management (3 Credits)

MAN6536 Business Processes (3 Credits)

MAN6724 Strategy for Business (3 Credits)

Electives (6 credits)

Select two (2) of the following MBA core courses as electives.

SELECT 2 courses from list (6)

ACG 6305 Management Accounting (3 credits)

- ECO 6415 Making Decisions with Data (3 credits)
- ECP 6705 Economics of Business Decisions (3 credits)
- ISM 6021 Management of Info Technology (3 credits)
- MAN 6204 Organizational Theory (3 credits)
- MAR 6805 Marketing Strategy (3 credits)

Major: Business Analytics

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

Fifteen credit hours will be required for the Business Analytics certificate. Twelve credits hours required courses plus one (1) three credit area focus electives from the list provided.

In order to receive the Business Analytics Certificate students must have an average GPA in certificate courses of 3.0 or better and no grade below a 'C'.

ISM6021 Mgmt Information Technology (3 Credits)

To be taken in first term.

ECO6415 Making Decisions with Data (3 Credits)

To be taken in first term

CAP6768 Data Analytics (3 Credits)

To be taken in second term

CEN6940 Computing Practicum (3 Credits)

To be taken in third term

ELECTIVE Choose one:

Choose one area focus elective. To be taken in second term.

- ISM6404 Applications in Business Analytics
- GEO6506 Economics Geography and GIS
- MAN6581 Project Management
- MAN6525 Process Management & Quality Improvements
- MAN6789 Social Media & Business Analytics

Major: Financial Analytics Cert-Grad

Degree: Post-Baccalaureate Certificate

Certificate Requirements (12 credits)

The graduate certificate in financial analytics will truly allow a UNF MBA student to distinguish him or herself by demonstrating the highest level of excellence in a series of boutique finance courses UNF has developed in the last few years and which are by now well-known in the business community. Not only would students complete these specialized courses, but they would also have to complete them at the highest standard of excellence (grade of A). These courses require an intensive work load and require an extremely high level of analysis. In addition to in-class assignments, students in the classes work directly with companies through the semester on assigned projects.

Students can obtain the certificate by taking the following four courses (12 credits) and earning an A in each one:

- FIN6565 and 6566 Student Managed Investment Fund (OFG) (Fall and Spring) (6 credits)
- FIN6545 Fixed Income Analysis (Spring only) (3 credits)
- FIN6455 Financial Modeling (Fall only) (3 credits) *Admission to each course is subject to interview with instructor.

Students are able to obtain the graduate Financial Analytics Certificate only if they are admitted to the courses that require an interview, as indicated above. Moreover, students must obtain a GPA of 4.0 in the four courses to earn the certificate.

Graduate students need to complete at least one of the four courses above on the graduate level. However, if a student has previously taken FIN4560, FIN4561, FIN4453 or FIN4540 on the undergraduate level at UNF, they can count up to three of these courses towards the graduate certificate. Under no circumstances can a student earn both the undergraduate and the graduate Certificate of Financial Analytics

Suggested Sequence

Fall:

- Fin6565 - Student Managed Investment Fun I
- FIN6455 Financial Modeling

Spring:

- FIN6566 Student Managed Investment Fund II
- FIN6545 Fixed Income Analysis

Other combinations are possible, and students can obtain the certificate by taking the courses in non-consecutive sequences.

FIN6455 Financial Modeling (3 Credits)

FIN6545 Fixed Income Analysis (3 Credits)

FIN6565 Student Managed Invest Fund I (3 Credits)

FIN6566 Student Managed Invest Fund II (3 Credits)

Major: E-Business Certificate

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

In order to receive the Certificate in E-Business, students must have an average GPA in certificate courses of 3.0 or better and no grade below a "C".

MAN6026 Project Management (3 Credits)

(normally offered in spring or summer)

MAN6785 E-Business Strategy (3 Credits)

(normally offered in fall)

MAN6875 Entrepreneur/Venture Capital (3 Credits)

MAR6726 Digital Marketing Analytics (3 Credits)

(normally offered in spring)

TRA6157 Supply Chain Management (3 Credits)

Major: Biology
Concentration: Biomedical Sciences Non-Thesis
Degree: Master of Science

Prerequisites

An undergraduate degree in Biology or an undergraduate degree in a related field and 12 credit hours of upper level undergraduate biology courses.

Core Requirements (14 credits)

Grades of "B" or better are required in all graduate courses.

MCB5505 Advanced Virology (3 Credits)

PCB6236 Advanced Cancer Biology (3 Credits)

PCB5235 Cellular Immunology (3 Credits)

PCB5845 Cellular and Molec Neurosci (3 Credits)

BSC5930 Biology Seminar (1 Credit)

Major Electives (8 credits)

Grades of "B" or better are required in all graduate courses.

SELECT 8 CREDITS FROM THE FOLLOWING

- BCH 5418 Advanced Molecular Biology and Biochemistry (3 credits)
- BCH 5418L Advanced Molecular Biology and Biochemistry Laboratory (1 credit)
- MCB5024C Advanced Molecular Biology Techniques (4 credits)
- MCB 6175C Integrative Microscopy (3 credits)
- ZOO 5754 Advanced Histology (3 credits)
- ZOO 5754L Advanced Histology Laboratory (2 credits)
- PHT 6161C Clinical Neuroanatomy and Physiology (4 credits)
- BSC 5028 Advanced Biology of Aging (3 credits)
- BSC 5872 Advanced Biological Pharmacology (3 credits)
- MCB 5205 Pathogenic Bacteriology (3 credits)
- PCB 5106 Cellular Biology (3 credits)

- PCB 5525 Molecular Genetics (3 credits)
- PCB 6675 Advanced Evolution (3 credits)
- PCB 6685 Population Genetics (3 credits)
- APK 5332 Pharmacology for Chronic Disease (3 credits)
- CAP 6768 Data Analytics (3 credits)
- MAP 6385 Scientific Computing (3 credits)
- HUN 7788 Nutritional Genomics (3 credits)
- PSB 6930 Special Topics in Behavioral Neuroscience (3 credits)

Experiential Learning (14 credits)

SELECT 14 CREDITS FROM THE FOLLOWING

- BSC 6917 Advanced Graduate Research (1-4 credits)
- BSC 6948 Graduate Internship in Biomedical Sciences (1-4 credits)

Students must apply to graduate by the published deadline during their final semester.

Major: Music Education
Concentration: Pedagogy and Research
Degree: Master of Music Education

Foundation (9 credits)

MUS5711 Bibliography (3 Credits)

MUH6684 Perspectives in Music History (3 Credits)

MUT6761 Perspectives in Music Theory (3 Credits)

Core Requirements (9 credits)

MUE6080 Hist/Phil Found Mus Ed (3 Credits)

MUE6785 Research in Music Education (3 Credits)

MUE6695 Contemporary Issues in Pedagog (3 Credits)

Cognate (9 credits)

Courses chosen to fulfill the professional goals of the student,
chosen in cooperation with music education faculty.

Capstone Experience (3 credits)

MUE6790 Capstone Mus Ed (3 Credits)

MUS6960 Comprehensive Oral Examination (0 Credits)

Major: Biology

Degree: Master of Arts

Prerequisites

An undergraduate degree in Biology or an undergraduate degree in a related field and 12 credit hours of upper level undergraduate biology courses.

Core Requirements (36 credits)

Grades of "B" or better are required in all graduate courses.

Students must apply to graduate by the published deadline during their final semester.

SELECT 36 HRS FROM THE LIST BELOW:

- BCH 6876C Membrane Biology
- BOT 5186C Advanced Marine Botany
- BSC 5075C Advanced Physiology
- BSC 5487 Advanced Biology of Marine Mammals
- BSC 5487L Advanced Biology of Marine Mammals Lab
- BSC 5905 Directed Independent Study: Biology
- BSC 5936 ST: Biology
- BSC 5872 Advanced Biological Pharmacology
- BSC 5930 Biology Seminar
- BSC 6840 Critical Skills in Science
- BSC 6515C Aquatic Toxicology
- BSC 6931 Advanced Readings in Biology
- BSC 6971 Graduate Thesis Defense
- BSC 6972 Graduate Thesis Research
- MCB 5024C Advanced Molecular Biology Techniques
- MCB 6175C Integrative Microscopy
- PCB 5235 Cellular Immunology
- PCB 6314C Marine Ecology
- PCB 5525 Molecular Genetics
- PCB 6675 Advanced Evolution
- PCB 5845 Cellular & Molecular Neuroscience
- PCB 6480 Quantitative Ecology
- PCB 6236 Advanced Cancer Biology
- PCB 6335C Estuarine Ecology
- PCB 6446 Ecology of Wetlands

- PCB 6447 Community Ecology
- PCB 6685 Population Genetics
- PCB 6307C Freshwater Ecology
- ZOO 5235C Advanced Parasitology
- ZOO 5455C Advanced Ichthyology
- ZOO 5463C Advanced Herpetology
- ZOO 5717C Canine Anatomy
- ZOO 5754C Advanced Histology
- ZOO 5209C Advanced Coastal Invertebrate Biology
- FAS 5355 Advanced Coastal Fisheries Management
- FAS 6355L Advanced Coastal Fisheries Management Lab
- BSC 5028 Advanced Biology of Aging
- MCB 5505 Advanced Virology
- BCH 5418 Advanced Molecular Biology and Biochemistry
- BCH 5418L Advanced Molecular Biology and Biochemistry Lab
- ZOO 5514 Advanced Animal Behavior

Major: Music Education
Concentration: Professional Education
Degree: Master of Music Education

Prerequisites (6 credits)

EDF3151 Educational Psychology (3 Credits)

RED4333 Content Area Reading (3 Credits)

Informational Text (0 credits)

The Master of Music Education with a Concentration in Professional Education is designed for students who have completed a Bachelor's degree in a music discipline other than music education and wish to earn a teaching certificate through a state-approved graduate program. Program-specific admissions criteria (in addition to other graduate admissions requirements) include an interview with music education faculty as well as passing scores on all portions of the Florida Department of Education General Knowledge Exam.

Foundation (9 credits)

MUS5711 Bibliography (3 Credits)

MUH6684 Perspectives in Music History (3 Credits)

MUT6761 Perspectives in Music Theory (3 Credits)

Similar graduate-level music history or music theory courses may substitute with prior approval of music education faculty and music history or music theory faculty.

Core Requirements (12 credits)

MUE6080 Hist/Phil Found Mus Ed (3 Credits)

MUE6695 Contemporary Issues in Pedagog (3 Credits)

MUE6785 Research in Music Education (3 Credits)

SELECT ONE FROM BELOW:

- MUE 5316 Teaching Elementary Music Programs (3 credits)
- MUE 5336 Teaching Secondary Choral Music Programs (3 credits)
- MUE 5338 Teaching Secondary Instrumental Music Programs (3 credits)

Major Requirements (9 credits)

EDF6237 Prncpls Lrn & Clsrm Assessment (3 Credits)

EDG6415 Principles Instruc and Mngmt (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

Capstone Experience (6 credits)

MUE6946 Grad Intern Secondary School (9 Credits)

MUS6960 Comprehensive Oral Examination (0 Credits)

Major: Biology

Degree: Master of Science

Prerequisites

An undergraduate degree in Biology or an undergraduate degree in a related field and 12 credit hours of upper level undergraduate biology courses.

Core Requirements (36 credits)

Requirements for this program are 36 credits: a minimum of 18 credits must be graded coursework. 1 credit of thesis defense.

- BSC 6971 Graduate Thesis Defense (1 credit) The remaining credits can come from research or seminars. Grades of "B" or better are required in all graduate courses.

Students must apply to graduate by the published deadline during their final semester.

BSC6971 Graduate Thesis Defense (1 Credit)

SELECT FROM THE LIST BELOW:

- BOT 5186C Advanced Marine Botany (4 credits)
- BCH 6876C Membrane Biology (3 credits)
- BSC 5099C Advanced Physiology (4 credits)
- BSC 5487 Advanced Biology of Marine Mammals (3 credits)
- BSC 5487L Advanced Biology of Marine Mammals Lab
- BSC 5905 Directed Independent Study: Biology (1-3 credits)
- BSC 5936 ST: Biology (1-3 credits)
- BSC 5872 Advanced Biological Pharmacology (3 credits)
- BSC 5930 Biology Seminar (1 credits)
- BSC 6840 Critical Skills in Science (3 credits)
- BSC 6515C Aquatic Toxicology (3 credits)
- BSC 6395C Environmental Physiology (3 credits)
- BSC 6931 Advanced Readings in Biology (1-3 credits)
- BSC 6972 Graduate Thesis Research (1-3 credits)
- MCB 5024C Advanced Molecular Biology Techniques (4 credits)
- MCB 5023 Pathogenic Bacteriology (3 credits)
- MCB 6175C Integrative Microscopy (4 credits)
- PCB 5235 Cellular Immunology (3 credits)

- PCB 6314C Marine Ecology (3 credits)
- PCB 5525 Molecular Genetics (3 credits)
- PCB 6675 Advanced Evolution (3 credits)
- PCB 5845 Cellular & Molecular Neuroscience (3 credits)
- PCB 6236 Advanced Cancer Biology (3 credits)
- PCB 6335C Estuarine Ecology (4 credits)
- PCB 6446 Ecology of Wetlands (3 credits)
- PCB 6447 Community Ecology (3 credits)
- PCB 6685 Population Genetics (3 credits)
- PCB 6480 Quantitative Ecology (3 credits)
- PCB 6307C Freshwater Ecology (4 credits)
- ZOO 5235C Advanced Parasitology (4 credits)
- ZOO 5455C Advanced Ichthyology (4 credits)
- ZOO 5463C Advanced Herpetology (4 credits)
- ZOO 5717C Canine Anatomy (4 credits)
- ZOO 5754 Advanced Histology (3 credits)
- ZOO 5754L Advanced Histology Lab (2 credits)
- ZOO 5209C Advanced Coastal Invertebrate Biology (4 credits)
- FAS 5355 Advanced Coastal Fisheries Management (3 credits)
- FAS 6355L Advanced Coastal Fisheries Management Lab (1 credits)
- BSC 5028 Advanced Biology of Aging (3 credits)
- MCB 5505 Advanced Virology (3 credits)
- BCH 5418 Advanced Molecular Biology and Biochemistry (3 credits)
- BCH 5418L Advanced Molecular Biology and Biochemistry Lab (1 credits)
- ZOO 5514 Advanced Animal Behavior (3 credits)
- ZOO 5514L Advanced Animal Behavior Lab (1 credits)

Major: Music Performance

Concentration: Conducting

Degree: Master of Music

Informational Text (0 credits)

Please Note:

Students specializing in Choral Conducting should take the following:

- Applied Courses:
 -
 - in Term 1 MUG 6206 (Applied Choral Conducting)
 -
 - in Terms 2 and 3 - MUG 6206 (Applied Choral Conducting) or MUG 6306 (Applied Instrumental Conducting) or any 6000-level Applied Instrument
- Large Ensembles: MUN 6315 (Graduate Choral Ensemble) or MUN 6345 (Graduate Chamber Singers) or MUN 6007 (Graduate Chorale)
- Literature Course: MUL 6645 (Choral Literature)
- Conducting & Lit. Seminar: MUG 6256 (Choral Conducting and Literature Seminar)
- Any elective courses MUST be chosen in consultation with the student's applied teacher.

Students specializing in Instrumental Conducting should take the following:

- Applied Courses:
 -
 - in Term 1 -MUG6306 (Applied Instrumental Conducting)
 - in Terms 2 and 3 - MUG6306 (Applied Instrumental Conducting) or MUG 6206 (Applied Choral Conducting) or any 6000-level Applied Instrument
- Large Ensembles: MUN 6215 (Orchestra) or MUN 6145 (Wind Symphony)
- Literature Course: MUL 5567 (Instrumental Literature)
- Conducting & Lit Seminar: MUG 6356 (Instrumental Conducting and Literature Seminar)
- Any elective courses MUST be chosen in consultation with student's applied teacher

Term One (9 credits)

MUS5711 Bibliography (3 Credits)

SELECT ONE CONDUCTING COURSE

- MUG 6205 Advanced Choral Conducting (2 credits)
- MUG 6305 Advanced Instrumental Conducting (2 credits)

SELECT ONE APPLIED COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)
- Any 6000-level Applied Instrument (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Graduate Choral Ensemble (1 credit)
- MUN 6345 Graduate Chamber Singers (1 credit)
- MUN 6007 Graduate Chorale (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

ELECTIVES (1 Credit)

Choose any 5000 or 6000 course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Two (9 credits)

SELECT_ ONE LITERATURE COURSE

- MUL 6645 Choral Literature (3 credits)
- MUL 5567 Instrumental Literature (3 credits)

SELECT_ 1 MUSIC HISTORY/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

SELECT ONE APPLIED COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)
- Any 6000-level Applied Instrument (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Graduate Choral Ensemble (1 credit)
- MUN 6345 Graduate Chamber Singers (1 credit)

- MUN 6007 Graduate Chorale (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

Term Three (9 credits)

SELECT_ ONE CONDUCTING COURSE

- MUG 6205 Advanced Choral Conducting (2 Credits)
- MUG 6305 Advanced Instrumental Conducting (2 Credits)

SELECT ONE APPLIED COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)
- Any 6000-level Applied Instrument (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Graduate Choral Ensemble (1 credit)
- MUN 6345 Graduate Chamber Singers (1 credit)
- MUN 6007 Graduate Chorale (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

ELECTIVE CREDIT (4 CREDITS)

Choose any 5000 or 6000 level course(s) with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Four (9 credits)

SELECT_ ONE MUSIC HIS/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 Credits)

SELECT_ ONE CONDUCTING & LIT. SEMINAR

- MUG 6356 Instrumental Conducting and Literature Seminar (2 credits)
- MUG 6256 Choral Conducting and Literature Seminar (2 credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Graduate Choral Ensemble (1 credit)

MUN 6345 Graduate Chamber Singers (1 credit)

- MUN 6007 Graduate Chorale (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

MUG6954 Grad Cond Lecture Recital (2 Credits)

MUS6960 Comprehensive Oral Examination (0 Credits)

ELECTIVES Select 1 credit of electives

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Major: Communication Management

Concentration: Business

Degree: Master of Science

Core Requirements (15 credits)

M.S. in Communication Management students can choose either a thesis option or a non-thesis option. Both options apply to all of the following concentrations: Business, Public Health, Leadership, Nonprofit Management, and Public Management. The program consists of a minimum of 36 credit hours, 15 of which are earned through a common core of required courses in the School of Communication. Also, three credit hours are selected from a list of electives in the School of Communication. In addition, 12 credit hours are earned through one of five outside concentrations: Business Public Health, Leadership, Nonprofit Management, and Public Management. The final 6 credit hours are earned through an academic communication management-related thesis or a professional communication-related research project.

MMC6256 Foundations Comm Management (3 Credits)

MMC6006 Strategic Communication Theory (3 Credits)

MMC6426 Qual. Res. Method. Mass Comm. (3 Credits)

MMC6421 Quant. Res. Mass Comm. (3 Credits)

MMC6206 Ethics in Comm Management (3 Credits)

Major Electives (3 credits)

SELECT 1 COURSE FROM THE FOLLOWING:

- ADV 5050 Strategic Branding (3 credits)
- COM 5126 Organizational Communication (3 credits)
- COM 5627 Lying and Deception (3 credits)
- COM 5705 Listening (3 credits)
- COM 5226 Theory and Research Methods in Health Communication (3 credits)
- COM 5445 Small Group Communication (3 credits)
- COM 5046 Interpersonal Communication (3 credits)
- COM 5348 Interviewing: Theory and Methods (3 credits)
- SPC 5545 Theories of Persuasion (3 credits)

- MMC 5419 Political Advertising (3 credits)
- RTV 5801 Media Management (3 credits)
- MMC 5946 Internship in Communication Management (3 credits)
- MMC5267 Current Issues in Emerging Media (3 credits)
- MMC 6730 Social Media Management (3 credits)
- MMC 5738 Strategic Social Media (3 credits)

Concentration Requirements (12 credits)

MAN6002 Cornerstones of Management (3 Credits)

ECO6060 Economic Analysis (3 Credits)

MAR6055 Fundamentals of Marketing (3 Credits)

SELECT 1 FROM THE FOLLOWING

- ACG 6305 Fundamental of Financial Accounting (3 credits)
Prerequisite: FIN 5405 Essential of Managerial Finance
- ECO 6415 Making Decisions with Data (3 credits)
Prerequisites: MAN 5036 Fundamental of Management/Marketing (or undergraduate equivalent) and ECO 5115 Introductions Economic Analysis
- ECP 6705 Economics of Business Decisions (3 credits)
Prerequisites: MAN 5036 Fundamental of Management/Marketing (or undergraduate equivalent) and ECO 5115 Introductions Economic Analysis
- FIN 6407 Fundamentals of Financial Management (3 credits)
- ISM 6021 Management Information Technology (3 credits)
Prerequisites: MAN 5036 Fundamental of Management/Marketing (or undergraduate equivalent)
- MAN 6204 Organizational Theory (3 credits) Prerequisites: MAN 5036 Fundamental of Management/Marketing (or undergraduate equivalent)
- MAN 6875 Entrepreneurship/Venture Capital (3 credits)
- MAR 6805 Marketing Strategy (3 credits) Prerequisites: MAN 5036 Fundamental of Management/Marketing (or undergraduate equivalent)

Exit Requirement (6 credits)

Students choose either Thesis or Applied Research Project option OR Non-Thesis Option (6 credits) Students will complete either an academic communication management-related thesis OR a professional communication- related research project under the

supervision of a faculty advisor and committee. Students will take this 3-credit course twice to reach the required 6 credit hours of thesis/applied research project needed to graduate with the M.S. in Communication Management. Permission of the M.S. in Communication Management graduate program director is a prerequisite to enroll.

MMC6971 Thesis/Applied Rsrch Project (3 Credits)

NON-THESIS OPTION (6 credits)

Students who choose this option will take six additional credit hours from the list of School Electives.

Major: Music Performance

Concentration: Jazz Studies

Degree: Master of Music

Term One (9 credits)

MUS5711 Bibliography (3 Credits)

MUT5666 Jazz Styles and Analysis I (3 Credits)

SELECT ONE APPLIED MVJ COURSE

- MVJ 6456 Applied Jazz Saxophone (2 credits)
- MVJ 6458 Applied Jazz Trombone (2 credits)
- MVJ 6450 Applied Jazz Piano (2 credits)
- MVJ 6453 Applied Jazz Guitar (2 credits)
- MVJ 6454 Applied Jazz Bass (2 credits)
- MVJ 6455 Applied Jazz Set Drums (2 credits)
- MVJ 6457 Applied Jazz Trumpet (2 credits)

SELECT 1 ENSEMBLE COURSE

- MUN 6715 Jazz Ensemble (1 credit)
- MUN 6716 Combo (1 credit)

Term Two (9 credits)

MUT5667 Jazz Styles and Analysis II (3 Credits)

MUT6355 Jazz Arranging III (3 Credits)

SELECT ONE APPLIED MVJ COURSE

- MVJ 6456 Applied Jazz Saxophone (2 credits)
- MVJ 6458 Applied Jazz Trombone (2 credits)
- MVJ 6450 Applied Jazz Piano (2 credits)
- MVJ 6453 Applied Jazz Guitar (2 credits)
- MVJ 6454 Applied Jazz Bass (2 credits)
- MVJ 6455 Applied Jazz Set Drums (2 credits)
- MVJ 6457 Applied Jazz Trumpet (2 credits)

SELECT 1 ENSEMBLE COURSE

- MUN 6715 Jazz Ensemble (1 credit)
- MUN 6716 Combo (1 credit)

Term Three (9 credits)

SELECT ONE APPLIED MVJ COURSE

- MVJ 6456 Applied Jazz Saxophone (2 credits)
- MVJ 6458 Applied Jazz Trombone (2 credits)
- MVJ 6450 Applied Jazz Piano (2 credits)
- MVJ 6453 Applied Jazz Guitar (2 credits)
- MVJ 6454 Applied Jazz Bass (2 credits)
- MVJ 6455 Applied Jazz Set Drums (2 credits)
- MVJ 6457 Applied Jazz Trumpet (2 credits)

SELECT 1 ENSEMBLE COURSE

- MUN 6715 Jazz Ensemble (1 credit)
- MUN 6716 Combo (1 credit)

MUS6901 Directed Individual Studies (1-3 Credits)

ELECTIVE CREDIT (3 CREDITS)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Four (9 credits)

SELECT_ ONE MUSIC HIS/THEORY COURSE

- MUT 6761 Perspectives in Music Theory (3 credits)
 - MUH 6684 Perspectives in Music History (3 credits)

SELECT ONE APPLIED MVJ COURSE

- MVJ 6456 Applied Jazz Saxophone (2 credits)
- MVJ 6458 Applied Jazz Trombone (2 credits)
- MVJ 6450 Applied Jazz Piano (2 credits)
- MVJ 6453 Applied Jazz Guitar (2 credits)
- MVJ 6454 Applied Jazz Bass (2 credits)
- MVJ 6455 Applied Jazz Set Drums (2 credits)
- MVJ 6457 Applied Jazz Trumpet (2 credits)

MVO6451 Graduate Recital (2 Credits)

SELECT 1 ENSEMBLE COURSE

- MUN 6715 Jazz Ensemble (1 credit)
- MUN 6716 Combo (1 credit)

ELECTIVE CREDIT (1 CREDIT)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Major: Communication Management

Concentration: Leadership

Degree: Master of Science

Core Requirements (15 credits)

M.S. in Communication Management students can choose either a thesis option or a non-thesis option. Both options apply to all of the following concentrations: Business, Public Health, Leadership, Nonprofit Management, and Public Management. The program consists of a minimum of 36 credit hours, 15 of which are earned through a common core of required courses in the School of Communication. Also, three credit hours are selected from a list of electives in the School of Communication. In addition, 12 credit hours are earned through one of five outside concentrations: Business Public Health, Leadership, Nonprofit Management, and Public Management. The final 6 credit hours are earned through an academic communication management-related thesis or a professional communication-related research project.

MMC6256 Foundations Comm Management (3 Credits)

MMC6006 Strategic Communication Theory (3 Credits)

MMC6426 Qual. Res. Method. Mass Comm. (3 Credits)

MMC6421 Quant. Res. Mass Comm. (3 Credits)

MMC6206 Ethics in Comm Management (3 Credits)

Major Electives (3 credits)

SELECT 1 COURSE FROM THE FOLLOWING:

- ADV 5050 Strategic Branding (3 credits)
- COM 5126 Organizational Communication (3 credits)
- COM 5627 Lying and Deception (3 credits)
- COM 5705 Listening (3 credits)
- COM 5226 Theory and Research Methods in Health Communication (3 credits)
- COM 5445 Small Group Communication (3 credits)
- COM 5046 Interpersonal Communication (3 credits)
- COM 5348 Interviewing: Theory and Methods (3 credits)
- SPC 5545 Theories of Persuasion (3 credits)

- MMC 5419 Political Advertising (3 credits)
- RTV 5801 Media Management (3 credits)
- MMC 5946 Internship in Communication Management (3 credits)
- MMC5267 Current Issues in Emerging Media (3 credits)
- MMC 6730 Social Media Management (3 credits)
- MMC 5738 Strategic Social Media (3 credits)

Concentration Requirements (12 credits)

SELECT 4 COURSES FROM THE FOLLOWING:

- EDA 6191 Team Leadership (3 credits)
- EDA 6196 Leadership/Learning Organization (3 credits)
- EDS 6130 Human Resource Development in Education (3 credits)
- EDG 6625 Curriculum and Assessment Leadership (3 credits)
- EDA 6215 Developing Community Resources (3 credits)

Exit Requirement (6 credits)

Students choose either Thesis or Applied Research Project option OR Non-Thesis Option (6 credits) Students will complete either an academic communication management-related thesis OR a professional communication- related research project under the supervision of a faculty advisor and committee. Students will take this 3-credit course twice to reach the required 6 credit hours of thesis/applied research project needed to graduate with the M.S. in Communication Management. Permission of the M.S. in Communication Management graduate program director is a prerequisite to enroll.

MMC6971 Thesis/Applied Rsrch Project (3 Credits)

NON-THESIS OPTION (6 credits)

Students who choose this option will take six additional credit hours from the list of School Electives.

Major: Music Performance

Concentration: Piano

Degree: Master of Music

Term One (9 credits)

MUS5711 Bibliography (3 Credits)

MVK5607 Pedagogy of Group Piano

MUN6465 Graduate Chamber Music (0-1 Credits)

MVK6451 Applied Piano (2 Credits)

Term Two (9 credits)

SELECT_ ONE MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVO6452 Graduate Chamber Recital (2 Credits)

MVK6451 Applied Piano (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Choral Ensemble (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)
- MUN 6515 Piano Accompanying (1 credit)

Term Three (9 credits)

MVK6650 Seminar in Piano Pedagogy (3 Credits)

MUL6416 Special Topics in Piano Lit (3 Credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVK6451 Applied Piano (2 Credits)

Term Four (9 credits)

SELECT ONE MUSIC HIS/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 Credits)
- MUT 6761 Perspectives in Music Theory (3 Credits)

MVO6451 Graduate Recital (2 Credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVK6451 Applied Piano (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Choral Ensemble (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)
- MUN 6515 Piano Accompanying (1 credit)

MUS6960 Comprehensive Oral Examination (0 Credits)

Major: Communication Management

Concentration: Nonprofit Management

Degree: Master of Science

Core Requirements (15 credits)

M.S. in Communication Management students can choose either a thesis option or a non-thesis option. Both options apply to all of the following concentrations: Business, Public Health, Leadership, Nonprofit Management, and Public Management. The program consists of a minimum of 36 credit hours, 15 of which are earned through a common core of required courses in the School of Communication. Also, three credit hours are selected from a list of electives in the School of Communication. In addition, 12 credit hours are earned through one of five outside concentrations: Business Public Health, Leadership, Nonprofit Management, and Public Management. The final 6 credit hours are earned through an academic communication management-related thesis or a professional communication-related research project.

MMC6256 Foundations Comm Management (3 Credits)

MMC6006 Strategic Communication Theory (3 Credits)

MMC6426 Qual. Res. Method. Mass Comm. (3 Credits)

MMC6421 Quant. Res. Mass Comm. (3 Credits)

MMC6206 Ethics in Comm Management (3 Credits)

Major Electives (3 credits)

SELECT 1 COURSE FROM THE FOLLOWING:

- ADV 5050 Strategic Branding (3 credits)
- COM 5126 Organizational Communication (3 credits)
- COM 5627 Lying and Deception (3 credits)
- COM 5705 Listening (3 credits)
- COM 5226 Theory and Research Methods in Health Communication (3 credits)
- COM 5445 Small Group Communication (3 credits)
- COM 5046 Interpersonal Communication (3 credits)
- COM 5348 Interviewing: Theory and Methods (3 credits)
- SPC 5545 Theories of Persuaion (3 credits)

- MMC 5419 Political Advertising (3 credits)
- RTV 5801 Media Management (3 credits)
- MMC 5946 Internship in Communication Management (3 credits)
- MMC5267 Current Issues in Emerging Media (3 credits)
- MMC 6730 Social Media Management (3 credits)
- MMC 5738 Strategic Social Media (3 credits)

Concentration Requirements (12 credits)

PAD6142 Mgt of Nonprofit Orgs (3 Credits)

PAD6164 NPO Stakeholder Relations (3 Credits)

PAD6208 Nonprofit Financial Management (3 Credits)

SELECT 1 FROM THE FOLLOWING

(3 Credits):

- PAD 5384 Civic Groups and Public Policy (3 Credits)
- EDA 6930 Grants Development and Project Design (3 Credits)
- HSC 6706 Grantsmanship (3 Credits)

Exit Requirement (6 credits)

Students choose either Thesis or Applied Research Project option OR Non-Thesis Option (6 credits) Students will complete either an academic communication management-related thesis OR a professional communication- related research project under the supervision of a faculty advisor and committee. Students will take this 3-credit course twice to reach the required 6 credit hours of thesis/applied research project needed to graduate with the M.S. in Communication Management. Permission of the M.S. in Communication Management graduate program director is a prerequisite to enroll.

MMC6971 Thesis/Applied Rsrch Project (3 Credits)

NON-THESIS OPTION (6 credits)

Students who choose this option will take six additional credit hours from the list of School Electives.

Major: Music Performance

Concentration: Strings

Degree: Master of Music

Term One (9 credits)

MUS5711 Bibliography (3 Credits)

SELECT ONE APPLIED STRING COURSE

- MVS 6451 Applied Violin (2 credits)
- MVS 6452 Applied Viola (2 Credits)
- MVS 6453 Applied Cello (2 Credits)
- MVS 6454 Applied Bass (2 Credits)
- MVS 6455 Applied Harp (2 Credits)

SELECT 1 ORCHESTRA REPERTORY COURSE

- MVS 6551 Violin Orchestra Repertory (1 credit)
- MVS 6552 Viola Orchestra Repertory (1 credit)
- MVS 6553 Cello Orchestra Repertory (1 credit)
- MVS 6554 Bass Orchestra Repertory (1 credit)
- MVS 6555 Harp Orchestra Repertory (1 credit)

MUN6215 Orchestra (0-1 Credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

ELECTIVE CREDIT (1 CREDIT)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Two (9 credits)

SELECT_ ONE MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

SELECT ONE APPLIED STRING COURSE

- MVS 6451 Applied Violin (2 credits)
- MVS 6452 Applied Viola (2 Credits)
- MVS 6453 Applied Cello (2 Credits)

- MVS 6454 Applied Bass (2 Credits)
- MVS 6455 Applied Harp (2 Credits)

SELECT 1 ORCHESTRA REPERTORY COURSE

- MVS 6551 Violin Orchestra Repertory (1 credit)
- MVS 6552 Viola Orchestra Repertory (1 credit)
- MVS 6553 Cello Orchestra Repertory (1 credit)
- MVS 6554 Bass Orchestra Repertory (1 credit)
- MVS 6555 Harp Orchestra Repertory (1 credit)

MUN6215 Orchestra (0-1 Credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVS6977 Grad String Chamber Recital (1 Credit)

Term Three (9 credits)

SELECT_ ONE ADVANCED PEDAGOGY COURSE

- MVS 6653 Advanced Violin and Viola Pedagogy (3 Credits)
- MVS 6654 Advanced Cello and Bass Pedagogy (3 credits)
- MVS 6655 Advanced Harp Pedagogy (3 credits)

SELECT ONE APPLIED STRING COURSE

- MVS 6451 Applied Violin (2 credits)
- MVS 6452 Applied Viola (2 Credits)
- MVS 6453 Applied Cello (2 Credits)
- MVS 6454 Applied Bass (2 Credits)
- MVS 6455 Applied Harp (2 Credits)

MUN6215 Orchestra (0-1 Credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

ELECTIVE CREDIT (2 CREDITS)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Four (9 credits)

SELECT 1 MUSIC HIS/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credit)

- MUT 6761 Perspectives in Music Theory (3 credit)

SELECT ONE APPLIED STRING COURSE

- MVS 6451 Applied Violin (2 credits)
- MVS 6452 Applied Viola (2 Credits)
- MVS 6453 Applied Cello (2 Credits)
- MVS 6454 Applied Bass (2 Credits)
- MVS 6455 Applied Harp (2 Credits)

MUN6215 Orchestra (0-1 Credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVS6976 Graduate String Recital (1 Credit)

ELECTIVE CREDIT (1 CREDIT)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

MUS6960 Comprehensive Oral Examination (0 Credits)

Major: Communication Management

Concentration: Public Health

Degree: Master of Science

Core Requirements (15 credits)

M.S. in Communication Management students can choose either a thesis option or a non-thesis option. Both options apply to all of the following concentrations: Business, Public Health, Leadership, Nonprofit Management, and Public Management. The program consists of a minimum of 36 credit hours, 15 of which are earned through a common core of required courses in the School of Communication. Also, three credit hours are selected from a list of electives in the School of Communication. In addition, 12 credit hours are earned through one of five outside concentrations: Business Public Health, Leadership, Nonprofit Management, and Public Management. The final 6 credit hours are earned through an academic communication management-related thesis or a professional communication-related research project.

MMC6256 Foundations Comm Management (3 Credits)

MMC6006 Strategic Communication Theory (3 Credits)

MMC6426 Qual. Res. Method. Mass Comm. (3 Credits)

MMC6421 Quant. Res. Mass Comm. (3 Credits)

MMC6206 Ethics in Comm Management (3 Credits)

Major Electives (3 credits)

SELECT 1 COURSE FROM THE FOLLOWING:

- ADV 5050 Strategic Branding (3 credits)
- COM 5126 Organizational Communication (3 credits)
- COM 5627 Lying and Deception (3 credits)
- COM 5705 Listening (3 credits)
- COM 5226 Theory and Research Methods in Health Communication (3 credits)
- COM 5445 Small Group Communication (3 credits)
- COM 5046 Interpersonal Communication (3 credits)
- COM 5348 Interviewing: Theory and Methods (3 credits)
- SPC 5545 Theories of Persuasion (3 credits)

- MMC 5419 Political Advertising (3 credits)
- RTV 5801 Media Management (3 credits)
- MMC 5946 Internship in Communication Management (3 credits)
- MMC5267 Current Issues in Emerging Media (3 credits)
- MMC 6730 Social Media Management (3 credits)
- MMC 5738 Strategic Social Media (3 credits)

Concentration Requirements (12 credits)

Students may take any four courses (12 credits) listed below including the Global Health courses, to satisfy the Public Health Concentration. Students who take four global health courses (12 credits) will satisfy the requirements of the Public Health Concentration and additionally earn the Graduate Certificate in Global Health.

SELECT 4 FROM THE FOLLOWING

INCLUDING GLOBAL HEALTH COURSES (12 Credits):

- HSC 6603 Theoretical Foundations of Behavior Change (3 credits) Prerequisite: HSC6587 Public Health Program Planning
- HSC 6716 Health Program Evaluation (3 credits) Prerequisite: HSC6587 Public Health Program Planning
- PHC 6102 Public Health Policy and Advocacy (3 credits)
- PHC 6000 Epidemiology I (3 credits)
- PHC 6149 Public Health Leadership and Management (3 Credits)
- PHC 6002 Infectious Disease Epidemiology (3 credits) Prerequisite: PHC6000 Epidemiology I
- PHC 6011 Epidemiology II (3 credits) Prerequisite: PHC6000 Epidemiology I
- HSC 6585 Health Communication (3 credits)
- HSC 6587 Public Health Program Planning (3 credits)
- HSC 6215 Environmental Health (3 Credits) Prereq: Instructor approval required prior to registration

Public Health Electives: Students may select HSC or PHC elective courses as offered (i.e., PHC6020 Introduction to Clinical Trials (3 credits); HSC6138 Sexuality Education (3 credits); HSC6931 Special Topics (3 credits), etc.) GLOBAL HEALTH COURSES

- HSC 6625 Global Health (3 credits)
- HSC 6165 Global Sexuality and Reproductive Health (3

credits)

- HSC 6675 Global Health Water, Sanitation, and Hygiene (3 credits)
- HSC 6931 Special Topics: Global Immigrant and Refugee Health (3 credits)
- NGR 6894 Global Health Care and Culture (3 credits)

Any other BCH Global Health courses (i.e. Study Abroad, Global Health elective, Global Health Special Topics, etc.).

Exit Requirement (6 credits)

Students choose either Thesis or Applied Research Project option OR Non-Thesis Option (6 credits) Students will complete either an academic communication management-related thesis OR a professional communication- related research project under the supervision of a faculty advisor and committee. Students will take this 3-credit course twice to reach the required 6 credit hours of thesis/applied research project needed to graduate with the M.S. in Communication Management. Permission of the M.S. in Communication Management graduate program director is a prerequisite to enroll.

MMC6971 Thesis/Applied Rsrch Project (3 Credits)

NON-THESIS OPTION (6 credits)

Students who choose this option will take six additional credit hours from the list of School Electives.

Major: Music Performance

Concentration: Voice

Degree: Master of Music

Prerequisites (0 credits)

SELECT ONE FRENCH OR GERMAN LANG

Appropriate level of language course will be determined by the voice faculty at the entrance audition. Students must complete language prerequisites before graduation:

- GER 1120 Beginning German I (4 credits)
- GER 1121 Beginning German II (4 credits)
- GER 2200 Intermediate German I (3 credits)
- GER 2201 Intermediate German II (3 credits)
- FRE 1120 Beginning French I (4 credits)
- FRE 1121 Beginning French II (4 credits)
- FRE 2240 Intermediate French I (3 credits)
- FRE 2241 Intermediate French II (3 credits)

Term One (9 credits)

MUS5711 Bibliography (3 Credits)

MVV6651 Vocal Pedagogy (2 Credits)

MVV6451 Applied Voice (2 Credits)

SELECT A LARGE ENSEMBLE

- MUO 6655 Opera Ensemble (1 credit)
- MUN 6315 Graduate Choral Ensemble (1 credit)
- MUN 6345 Graduate Chamber Singers (1 credit)
- MUN 6007 Graduate Choral (1 credit)

ELECTIVE CREDIT (1 CREDIT)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Two (9 credits)

SELECT 1 MUSIC HISTORY/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

MUL6606 Vocal Literature (2 Credits)

MVV6451 Applied Voice (2 Credits)

SELECT A LARGE ENSEMBLE

- MUO 6655 Opera Ensemble (1 credit)
- MUN 6315 Graduate Choral Ensemble (1 credit)
- MUN 6345 Graduate Chamber Singers (1 credit)
- MUN 6007 Graduate Chorale (1 credit)

MVV6976 Graduate Voice Recital (1 Credit)

Term Three (9 credits)

MUS6205 Lyric Diction (2 Credits)

MVV6451 Applied Voice (2 Credits)

SELECT A LARGE ENSEMBLE

- MUO 6655 Opera Ensemble (1 credit)
- MUN 6315 Graduate Choral Ensemble (1 credit) MUN 6345 Graduate Choral Singers (1 credit) MUN 6007 Graduate Chorale (1 credit)

ELECTIVE CREDIT (4 CREDITS)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Four (9 credits)

MVV6451 Applied Voice (2 Credits)

- MUH 6684 Perspectives in Music History (3 Credits)
- MUT 6761 Perspectives in Music Theory (3 Credits)

SELECT ONE MUSIC HIS/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

SELECT A LARGE ENSEMBLE

- MUO 6655 Opera Ensemble (1 credit)
- MUN 6315 Graduate Choral Ensemble (1 credit)
- MUN 6345 Graduate Choral Singers (1 credit)
- MUN 6007 Graduate Chorale (1 credit)

MVV6976 Graduate Voice Recital (1 Credit)

ELECTIVE CREDIT (2 CREDITS)

Choose any 5000 or 6000 level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

MUS6960 Comprehensive Oral Examination (0 Credits)

Major: Communication Management

Concentration: Public Management

Degree: Master of Science

Core Requirements (15 credits)

M.S. in Communication Management students can choose either a thesis option or a non-thesis option. Both options apply to all of the following concentrations: Business, Public Health, Leadership, Nonprofit Management, and Public Management. The program consists of a minimum of 36 credit hours, 15 of which are earned through a common core of required courses in the School of Communication. Also, three credit hours are selected from a list of electives in the School of Communication. In addition, 12 credit hours are earned through one of five outside concentrations: Business Public Health, Leadership, Nonprofit Management, and Public Management. The final 6 credit hours are earned through an academic communication management-related thesis or a professional communication-related research project.

MMC6256 Foundations Comm Management (3 Credits)

MMC6006 Strategic Communication Theory (3 Credits)

MMC6426 Qual. Res. Method. Mass Comm. (3 Credits)

MMC6421 Quant. Res. Mass Comm. (3 Credits)

MMC6206 Ethics in Comm Management (3 Credits)

Major Electives (3 credits)

SELECT 1 COURSE FROM THE FOLLOWING:

- ADV 5050 Strategic Branding (3 credits)
- COM 5126 Organizational Communication (3 credits)
- COM 5627 Lying and Deception (3 credits)
- COM 5705 Listening (3 credits)
- COM 5226 Theory and Research Methods in Health Communication (3 credits)
- COM 5445 Small Group Communication (3 credits)
- COM 5046 Interpersonal Communication (3 credits)
- COM 5348 Interviewing: Theory and Methods (3 credits)
- SPC 5545 Theories of Persuasion (3 credits)

- MMC 5419 Political Advertising (3 credits)
- RTV 5801 Media Management (3 credits)
- MMC 5946 Internship in Communication Management (3 credits)
- MMC5267 Current Issues in Emerging Media (3 credits)
- MMC 6730 Social Media Management (3 credits)
- MMC 5738 Strategic Social Media (3 credits)

Concentration Requirements (12 credits)

PAD6060 Public Admin in Modern Society (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

SELECT 1 elective from MPA courses

PAD 5000-6999 or PUP 5000-6999 (3 Credits)

Exit Requirement (6 credits)

Students choose either Thesis or Applied Research Project option OR Non-Thesis Option (6 credits) Students will complete either an academic communication management-related thesis OR a professional communication- related research project under the supervision of a faculty advisor and committee. Students will take this 3-credit course twice to reach the required 6 credit hours of thesis/applied research project needed to graduate with the M.S. in Communication Management. Permission of the M.S. in Communication Management graduate program director is a prerequisite to enroll.

MMC6971 Thesis/Applied Rsrch Project (3 Credits)

NON-THESIS OPTION (6 credits)

Students who choose this option will take six additional credit hours from the list of School Electives.

Major: Music Performance
Concentration: Woodwinds, Brass, & Percussion
Degree: Master of Music

Term One (9 credits)

MUS5711 Bibliography (3 Credits)

SELECT A PEDAGOGY COURSE

- MVW 6650 Woodwind Pedagogy (3 credits)
- MVB 6650 Brass Pedagogy (3 credits)
- MVP 6650 Percussion Pedagogy (3 credits)

SELECT AN APPLIED MUSIC COURSE

- MVW 6451 Applied Flute (2 credits)
- MVW 6452 Applied Oboe (2 credits)
- MVW 6453 Applied Clarinet (2 credits)
- MVW 6454 Applied Bassoon (2 credits)
- MVW 6455 Applied Saxophone (2 credits)
- MVB 6451 Applied Trumpet (2 credits)
- MVB 6452 Applied French Horn (2 credits)
- MVB 6453 Applied Trombone (2 credits)
- MVB 6454 Applied Euphonium (2 credits)
- MVB 6455 Applied Tuba (2 credits)
- MVP 6451 Applied Percussion (2 credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

Term Two (9 credits)

SELECT_ ONE MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

SELECT AN APPLIED MUSIC COURSE

- MVW 6451 Applied Flute (2 credits)
- MVW 6452 Applied Oboe (2 credits)
- MVW 6453 Applied Clarinet (2 credits)
- MVW 6454 Applied Bassoon (2 credits)
- MVW 6455 Applied Saxophone (2 credits)
- MVB 6451 Applied Trumpet (2 credits)

- MVB 6452 Applied French Horn (2 credits)
- MVB 6453 Applied Trombone (2 credits)
- MVB 6454 Applied Euphonium (2 credits)
- MVB 6455 Applied Tuba (2 credits)
- MVP 6451 Applied Percussion (2 credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVO6452 Graduate Chamber Recital (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

Term Three (9 credits)

SELECT A LITERATURE COURSE

- MUL 6452 Woodwind Literature (3 credits)
- MUL 6453 Brass Literature (3 credits)
- MUL 6465 Percussion Literature (3 credits)

SELECT AN APPLIED MUSIC COURSE

- MVW 6451 Applied Flute (2 credits)
- MVW 6452 Applied Oboe (2 credits)
- MVW 6453 Applied Clarinet (2 credits)
- MVW 6454 Applied Bassoon (2 credits)
- MVW 6455 Applied Saxophone (2 credits)
- MVB 6451 Applied Trumpet (2 credits)
- MVB 6452 Applied French Horn (2 credits)
- MVB 6453 Applied Trombone (2 credits)
- MVB 6454 Applied Euphonium (2 credits)
- MVB 6455 Applied Tuba (2 credits)
- MVP 6451 Applied Percussion (2 credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

ELECTIVES (3 CREDITS)

Choose any 5000- or 6000-level course with any of the following prefixes: MUC, MUS, MUT, MUN, MUE, MUG, MUO, MUH, MUM, MVB, MVJ, MVK, MVS, MVV, MVW

Term Four (9 credits)

SELECT_ ONE MUSIC HIS/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 Credits)
- MUT 6761 Perspectives in Music Theory (3 Credits)

SELECT AN APPLIED MUSIC COURSE

- MVW 6451 Applied Flute (2 credits)
- MVW 6452 Applied Oboe (2 credits)
- MVW 6453 Applied Clarinet (2 credits)
- MVW 6454 Applied Bassoon (2 credits)
- MVW 6455 Applied Saxophone (2 credits)
- MVB 6451 Applied Trumpet (2 credits)
- MVB 6452 Applied French Horn (2 credits)
- MVB 6453 Applied Trombone (2 credits)
- MVB 6454 Applied Euphonium (2 credits)
- MVB 6455 Applied Tuba (2 credits)
- MVP 6451 Applied Percussion (2 credits)

MUN6465 Graduate Chamber Music (0-1 Credits)

MVO6451 Graduate Recital (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

MUS6960 Comprehensive Oral Examination (0 Credits)

Major: Criminal Justice

Degree: MS in Criminal Justice

Prerequisites (6 credits)

Prerequisites must be completed within the first 9 hours of graduate course work.

CCJ3014 Criminological Theory (3 Credits)

CCJ3700 Res Meth Crimin & Crim Justice (3 Credits)

Major Requirements (12 credits)

CCJ6059 Advanced Criminological Theory (3 Credits)

CCJ6705 Adv Methods Criminological Rsch (3 Credits)

CCJ6706 Quantitative Research Methods (3 Credits)

CCJ6457 Administration of Justice (3 Credits)

Major Electives (15 credits)

SELECT 5 FROM THE FOLLOWING:

- CCJ 5692 Women & Crime
- CJE 6268 Minorities & Crime
- CCJ 5646 Organized Crime
- CCJ 5684 Family Violence
- CCJ 5743 Graduate Supervised Research Experience in Criminal Justice
- CJL 5120 Criminal Law & Procedure in the Criminal Justice System
- CCJ 6309 History & Philosophy of Corrections
- CJC 5420 Counseling Applications in Criminal Justice
- CCJ 5346 Crisis Intervention & Collective Behavior
- CCJ 5456 Criminal Justice Administration Theory & Practice
- CCJ 5475 Criminal Justice Planning & Evaluation
- CJJ 5586 Working with Juveniles & Youthful Offenders
- CCJ 5635 Comparative Criminal Justice Systems
- CCJ 5665 Victimology
- CCJ 5668 Elite Crime
- CCJ 6705 Advanced Methods of Criminological Research
- CCJ 6906 Directed Independent Study

- CCJ 5930 Issues in Modern Criminal Justice
- CCJ 5934 ST: Criminal Justice
- CJC 5135 Prison and Jails
- CCJ 5079 Crime Mapping
- CJE 6329 Police Effectiveness
- CJL 6026 Issues in Law and Justice Process
- CCJ 6639 Issues in Social and Criminal Justice
- CJL 6020 Prosecution and Defense Procedure
- CJE 5320 Police Administration
- CJE 5121 Homeland Security and Criminal Justice
- CJE 5428 Critical Issues in Community Policing
- CJL 5025 Women, Justice and Law
- CJC5425 Methods of Offender Treatment
- CJC 5520 Punishment and Society
- CCJ 5652 Drugs, Crime and Society
- CCJ 5066 Poverty and Crime
- CJC 5165 Community Corrections and Offender Reentry

Exit Requirement (6 credits)

SELECT THESIS OR NON-THESIS OPTION

A. Thesis Option (must take 6 hours)

- CCJ 6974 Thesis/Demonstration Project

Or

B. Non-thesis Option two additional graduate courses

Major: Psychological Science

Degree: Master of Science

Prerequisites (12 credits)

Activity Code: BS/MS in Psychological Sciences

Applicants can apply for the accelerated BS/MS in Psychological Sciences during the Spring of their junior year (the Spring before they would begin the graduate- course sequence). Students must earn a 3.2 GPA in all major requirements to qualify for admission to the Master's degree in Psychology. No GRE score is required. Contact the Graduate Program Director for more information.

Students in the accelerated BS/MS in Psychological Sciences program will be using 10 credits from their undergraduate degree for their graduate requirements. These include: Research Design and Analysis I (PSY 6214: 3 credits); Colloquium (PSY 6937: 1 credit); Supervised Research (PSY 6910: 3 credits); Human Development (DEP 6055).

SELECT 1 RESEARCH METHODS/STATISTICS

- PSY 3213 Psychology Research Methods (3 credits)
- PSY 3213L Research Methods Lab (1 credit)
- STA 2014 Elementary Statistics (3 credits)

SELECT 1 EXPERIMENTAL COURSE

- EAB 3013C Experimental Analysis Behavior/Lab (4 credits)
- EXP 3461C Human Learning & Performance (4 credits)
- EXP 3680C Experimental Cognitive Psychology (4 credits)
- PSY 4302C Psychological Testing (4 credits)
- SOP 3214C Experimental Social Psychology (4 credits)
- EXP 3703C Computer Applications in Psychological Research (4 credits)

SELECT 2 FROM THE FOLLOWING:

- CLP 4143 Psychology of Abnormal Behavior (3 credits)
- DEP 3054 Lifespan Development Psychology (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)
- PPE 4003 Personality Theories (3 credits)
- PSB 3002 Behavioral Neuroscience (3 credits)
- SOP 3004 Social Psychology (3 credits)

Major Requirements (38 credits)

Grades of B or above are required in all courses.

A minimum of 38 semester hours are required for the degree (in addition to any necessary prerequisites).

All students must apply for graduation during registration for the last semester of courses at UNF. Deadlines are published online.

The record of any student who receives a grade of C or lower will be referred automatically to the graduate coordinator for review of the desirability of the student's continuation in the program.

Students in the accelerated BS/MS in Psychological Sciences program must complete these courses during the semester before transitioning to the MS program.

PSY6214 Research Design & Analysis I (3 Credits)

PSY6910 Supervised Research (3 Credits)

DEP6055 Human Development (3 Credits)

PSY6937 Collqum in Psychological Rsrch (1 Credit)

Students in the Accelerated BS/MS in Psychological Sciences program complete these courses after being accepted by the Graduate School as a MS graduate student.

PPE6466 Advanced Personality Theories (3 Credits)

EXP6506 Learning and Cognition (3 Credits)

PSB6031 Advanced Biopsychology (3 Credits)

PSY6217 Research Design & Analysis II (3 Credits)

SOP6069 Advanced Social Psychology (3 Credits)

PSY6971 Thesis A (3 Credits)

PSY6972 Thesis B (3 Credits)

PSY6973 Thesis C (1-6 Credits)

ELECTIVES (3 Credits)

Major: English
Concentration: Composition and Rhetoric
Degree: Master of Arts

Prerequisites

ENG4013 Approach to Lit Interpretation (3 Credits)

- A B.A. in English of related field with a G.P.A. of 3.0

Major Requirements (6 credits)

A minimum of 33 semester hours are required for the degree.

A maximum of 12 of those credits (4 courses) may be taken at the 5000-level.

All students must apply for graduation during registration for the last semester of courses at UNF. Deadlines are available online.

LIT6246 Major Authors (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- ENG 6018 History of Literary Criticism & Theory (3 credits)
- ENG 6019 Contemporary Literary Criticism & Theory (3 credits)

Major Electives (27 credits)

2 courses must be before 1800 & 2 courses must be after 1800.

A maximum of 12 semester hours (4 courses only) at the 5000 level, all other courses must be taken at the 6000 level.

SELECT 2 BRITISH LIT (5000/6000)

- ENL

SELECT 2 AMERICAN LIT (5000/6000)

- AML

SELECT. three composition courses

(9 credit hours):

- ENC 5226 Technical Writing (3 credit hours)
- ENC 5235 Grant Writing (3 credit hours)
- ENC 6700 Studies in Composition Theory (3 credit hours)

- ENC 5720 Problems in Contemporary Composition (3 credit hours)
- ENC 6721 Studies in Composition Research (3 credit hours)
- ENC 6942 Teach Practicum: Writing Classroom (3 credit hours)
- ENC 5935 Special Topics in Composition and Rhetoric (3 credit hours)

SELECT 2 FROM THE FOLLOWING

(6 Credits):

- AML6506 Studies in Early American Literature(3 credits)
- AML6507 Studies in Later American Literature(3 credits)
- ENL6502 Studies in Early British Literature (3 credits)
- ENL6509 Studies in Later British Literature (3 credits)
- ENG6855 Topics in Cultural Studies (3 credits)
- LIT6009 Studies in Genre (3 credits)
- ENG6138 Studies in Film (3 credits)
- LIT5934 Topics in Literature (3 credits)
- LIT6017 Studies in Fiction (3 credits)
- LIT6037 Studies in Poetry (3 credits)
- LIT6047 Studies in Drama (3 credits)
- LIT6654 Comparative & World Literature (3 credits)
- LIT6905 Directed Independent Study (3 credits)
- LIT6934 ST: Literature (3 credits)
- LIT6941 Practicum: Teaching Literature (3 credits)

Major: Public Administration
Concentration: Generalist Option
Degree: Master of Public Admin.

Prerequisites (6 credits)

SELECT One American Government course

One undergraduate course in American Government, or American Political System, or POS 2041 Intro to American Government.

SELECT One Statistics course

One undergraduate course in Statistics; or the UNF POS 3733 POS 3734 sequence.

Core Requirements (21 credits)

- Mid-career credit

Applicants for the UNF-MPA program with relevant professional experience may be eligible to have 3 or 6 credits waived from the default 42 credit requirement. Recent graduates from a Bachelor's degree program, and with little professional work experience, will require a total of 42 credits: 39 credits of course work, as well as PAD6946 Internship in Public Administration (3 Credits). Applicants with at least one year of full-time relevant professional experience will require 39 credits of course work, with the internship requirement waived. Applicants with at least five years of professional experience, at the managerial level (with budget authority, or in policy development) may have 3 elective credits waived in addition to the internship, and so will require a total of 36 credits. In the case of either the 36 or 39 credit option, the student must submit a letter from the relevant supervisor(s) attesting to the requisite level of experience. This must be done on application to the program, or by the end of the first semester of coursework.

- Undergraduate Accelerated Bachelor to MPA program

Accelerated Bachelor to MPA students are not eligible for mid-career credit. Students from the UNF Accelerated Bachelor to

MPA program who have successfully met the admission requirements of the MPA program, may count toward the MPA 12 credits of 5000-6000 level MPA classes taken as They must take the remainder of the MPA curriculum, an undergraduate, in which grades of B or higher are earned. including PAD6946 Internship (3 Credits).

- In order to graduate from the program: grades of C or above are required in all MPA courses; grades of B or above are required in at least 6 of the 7 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.
NOTE: PAD5700 is a prerequisite for PAD6706, PAD6066, PUP6006, and PUP6007. PAD6060 is a prerequisite for PAD6066.

PAD6060 Public Admin in Modern Society (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6106 Admin Behavior in Public Org (3 Credits)

PUP6006 Prog Eval Pub/NP Mgt (3 Credits)

PAD6066 Capstone Seminar (3 Credits)

Prereq: requires permission of MPA director

Major Electives (21 credits)

Students are required to take 15-21 credits, depending on mid-career credit and Accelerated Bachelor to MPA status, to reach the requisite total credits. Recent graduates require 18 credits plus PAD6946 Internship in Public Administration (3 credits); students with 1+ year of relevant professional experience requires 18 credits; and students with 5+ years of managerial experience require 15 credits. Other electives from outside the MPA program may be approved by the MPA Director.

SELECT 5-7 additional MPA courses

Major: English

Degree: Master of Arts

Prerequisites

ENG4013 Approach to Lit Interpretation (3 Credits)

- A B.A. in English of related field with a G.P.A. of 3.0

Major Requirements (6 credits)

A minimum of 33 semester hours are required for the degree.

A maximum of 12 of those credits (4 courses) may be taken at the 5000-level.

All students must apply for graduation during registration for the last semester of courses at UNF. Deadlines are available online.

LIT6246 Major Authors (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- ENG 6018 History of Literary Criticism & Theory (3 credits)
- ENG 6019 Contemporary Literary Criticism & Theory (3 credits)

Major Electives (27 credits)

There are four basic requirements among electives:

- two courses must be "early" according to below definition
- two courses must be "late" according to below definition
- two courses must be American literature (AML 5XXX or AML 6XXX)
-
- An "early" American literature course has a pre-1865 focus
-
- A "late" American literature course has a post-1865 focus
- two courses must be British literature (ENL 5XXX or ENL 6XXX)
-
- An "early" British literature course has a pre-1800 focus
-
- A "late" British literature course has a post-1800 focus
- Note: The graduate coordinator may substitute one world literature or film course (or equivalent), such as LIT 6654 (Comparative and World Literature) for one British OR one

American course, but not both. Course descriptions for international offerings will clarify whether the course counts as "early" or "late".

- Note: a single course may go toward satisfying more than one requirement. For example, a Major Authors course on Toni Morrison would satisfy 3 criteria: the one Major Authors requirement, one of the two "later" requirements, and one of the two American requirements.

REMAINING ELECTIVES FROM BELOW

Students may choose among open electives until they meet the 33-credit requirement of the degree. Students may select from the following list.

- AML 6506 Studies in Early American Literature (3 credits)
- AML 6507 Studies in Later American Literature (3 credits)
- CRW 6613 Graduate Creative Writing Workshop (3 credits)
- ENC 5226 Technical Writing (3 credits)
- ENC 5235 Grant Writing (3 credits)
- ENC 5935 Special Topics in Composition and Rhetoric (3 credits)
- ENC 6700 Studies in Composition Theory (3 credits)
- ENC 6942 Teaching Practicum in the Writing Classroom (3 credits)
- ENC 6721 Studies in Composition Research (3 credits)
- ENG 5945 Graduate Internship (3 credits)
- ENG 6138 Studies in Film (3 credits)
- ENG 6855 Topics in Cultural Studies (3 credits)
- ENL 6502 Studies in Early British Literature (3 credits)
- ENL 6509 Studies in Later British Literature (3 credits)
- FIL 5305: Documentary Workshop (3 credits)
- FIL 5377: Advanced Documentary Production (3 credits)
- FIL 5934: Advanced Topics in Film (3 credits)
- LIT 5934 Topics in Literature (3 credits)
- LIT 6017 Studies in Fiction (3 credits)
- LIT 6037 Studies in Poetry (3 credits)
- LIT 6047 Studies in Drama (3 credits)
- LIT 6009 Studies in Genre (3 credits)
- LIT 6654 Comparative & World Literature (3 credits)
- LIT 6905 Directed Independent Study (3 credits)
- LIT 6934 ST: Literature (3 credits)
- LIT 6941 Practicum: Teaching Literature (3 credits)

Major: Public Administration
Concentration: Health Administration
Degree: Master of Public Admin.

Prerequisites (6 credits)

SELECT One American Government course

One undergraduate course in American Government, or American Political System, or POS 2041 Intro to American Government.

SELECT One Statistics course

One undergraduate course in Statistics; or the UNF POS 3733 POS 3734 sequence.

Core Requirements (21 credits)

- Mid-career credit

Applicants for the UNF-MPA program with relevant professional experience may be eligible to have 3 or 6 credits waived from the default 42 credit requirement. Recent graduates from a Bachelor's degree program, and with little professional work experience, will require a total of 42 credits: 39 credits of course work, as well as PAD6946 Internship in Public Administration (3 Credits). Applicants with at least one year of full-time relevant professional experience will require 39 credits of course work, with the internship requirement waived. Applicants with at least five years of professional experience, at the managerial level (with budget authority, or in policy development) may have 3 elective credits waived in addition to the internship, and so will require a total of 36 credits. In the case of either the 36 or 39 credit option, the student must submit a letter from the relevant supervisor(s) attesting to the requisite level of experience. This must be done on application to the program, or by the end of the first semester of coursework.

- Undergraduate Accelerated Bachelor to MPA program

Accelerated Bachelor to MPA students are not eligible for mid-career credit. Students from the UNF Accelerated Bachelor to

MPA program who have successfully met the admission requirements of the MPA program, may count toward the MPA 12 credits of 5000-6000 level MPA classes taken as They must take the remainder of the MPA curriculum, an undergraduate, in which grades of B or higher are earned. including PAD6946 Internship (3 Credits).

- In order to graduate from the program: grades of C or above are required in all MPA courses; grades of B or above are required in at least 6 of the 7 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.
NOTE: PAD5700 is a prerequisite for PAD6706, PAD6066, PUP6006, and PUP6007. PAD6060 is a prerequisite for PAD6066.

PAD6060 Public Admin in Modern Society (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6106 Admin Behavior in Public Org (3 Credits)

PUP6006 Prog Eval Pub/NP Mgt (3 Credits)

PAD6066 Capstone Seminar (3 Credits)

Prereq: requires permission of MPA director

Major Requirements (12 credits)

Students selecting this option must meet the prerequisites or other requirements of the Brooks College of Health and the Health Administration program.

HSA6114 Health Organization/Delivery (3 Credits)

HSA6905 Policy and Law in Healthcare (3 Credits)

HSA6435 Health Economics (3 Credits)

(pre-req: PAD 6227)

SELECT 1 FROM THE FOLLOWING:

- HSA 5177 Health Care Finance(pre-req:ACG2021 Accounting)
- HSA 6149 Health Planning & Marketing
- HSA 6198 Health Information Technology
- HSA 6342 Healthcare Human Resources
- HSA 6385 Quality Management in Health Care
- HSA 6425 Health Law

Major Electives (9 credits)

Students are required to take 3-9 credits, depending on mid-career credit status, to reach the requisite total credits. Recent graduates require 6 credits plus PAD6946 Internship in Public Administration (3 credits); students with 1+ year of relevant professional experience require 6 credits; and students with 5+ years of managerial experience require 3 credits. Other electives from outside the MPA program may be approved by the MPA Director.

SELECT 1-3 additional MPA courses

Major: History

Concentration: Non-Thesis

Degree: Master of Arts

Prerequisites (3 credits)

HIS3051 (GW) Craft Of The Historian (3 Credits)

Major Requirements (36 credits)

A maximum of 9 hrs of HIS 6905 (Directed Independent Study) and/or HIS 6946 (Internship in History) is permitted for the non-thesis option. No more than 6 of the 9 credits may fall into any one category (HIS6905 Directed Independent Study or HIS 6946 Internship in History). Independent Studies and Internships may not substitute for required Readings Seminars or Research Seminars.

Students must consult with the Graduate Program Director to schedule an oral examination in the spring or fall semester immediately prior to their graduation. In advance of the examination, each student will submit one of the 20-40 page research papers written for a 5000-level research course or a 6000-level Research Seminar (subsequently revised if they choose) to a committee of three faculty members, at least one of whom will be in the student's field. The committee will review the paper and will examine the student on the paper's historical and historiographic context.

Students may take no more than four classes (12 hrs), with any one faculty member including HIS 6905 (Directed Independent Study) and excepting HIS 6946 (Internship in History) and HIS 6971 (Thesis Research)

Designation of official manuscript/footnote for thesis, and non-thesis papers: "Chicago- Manual of Style," using footnotes, not endnotes.

All students must apply for graduation during registration for the last semester of courses at UNF. Deadlines are published online.

SELECT 3 Readings Seminars (9 hrs)

- 6000 level
- EUH 6905 Readings in Eur History I OR EUH 6906
- Readings in Eur History II OR AMH 6905 Readings Readings in Am History I OR AMH 6907 Readings in Am History II OR

LAH 6905 Readings in Latin American History I OR LAH 6906
Readings in Latin American History II OR Readings Seminars
with AFH or ASH designation.

SELECT A 3 Hist Res Sems (9 hrs)

- 6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT B 2 Hist Courses (6 hrs)

- 6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT C 2 History Courses (6 hrs)

- 5000/6000 level
-
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT D 2 History Courses (6 hrs)

- 5000/6000 level
-
- AFH/ASH/LAH

Major: Public Administration
Concentration: Local Government Policy & Adm
Degree: Master of Public Admin.

Prerequisites (6 credits)

SELECT One American Government course

One undergraduate course in American Government, or American Political System, or POS 2041 Intro to American Government.

SELECT One Statistics course

One undergraduate course in Statistics; or the UNF POS 3733 POS 3734 sequence.

Core Requirements (21 credits)

- Mid-career credit

Applicants for the UNF-MPA program with relevant professional experience may be eligible to have 3 or 6 credits waived from the default 42 credit requirement. Recent graduates from a Bachelor's degree program, and with little professional work experience, will require a total of 42 credits: 39 credits of course work, as well as PAD6946 Internship in Public Administration (3 Credits). Applicants with at least one year of full-time relevant professional experience will require 39 credits of course work, with the internship requirement waived. Applicants with at least five years of professional experience, at the managerial level (with budget authority, or in policy development) may have 3 elective credits waived in addition to the internship, and so will require a total of 36 credits. In the case of either the 36 or 39 credit option, the student must submit a letter from the relevant supervisor(s) attesting to the requisite level of experience. This must be done on application to the program, or by the end of the first semester of coursework.

- Undergraduate Accelerated Bachelor to MPA program

Accelerated Bachelor to MPA students are not eligible for mid-career credit. Students from the UNF Accelerated Bachelor to

MPA program who have successfully met the admission requirements of the MPA program, may count toward the MPA 12 credits of 5000-6000 level MPA classes taken as They must take the remainder of the MPA curriculum, an undergraduate, in which grades of B or higher are earned. including PAD6946 Internship (3 Credits).

- In order to graduate from the program: grades of C or above are required in all MPA courses; grades of B or above are required in at least 6 of the 7 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.
NOTE: PAD5700 is a prerequisite for PAD6706, PAD6066, PUP6006, and PUP6007. PAD6060 is a prerequisite for PAD6066.

PAD6060 Public Admin in Modern Society (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6106 Admin Behavior in Public Org (3 Credits)

PUP6006 Prog Eval Pub/NP Mgt (3 Credits)

PAD6066 Capstone Seminar (3 Credits)

Prereq: requires permission of MPA director

Major Requirements (12 credits)

PAD6807 Urban Administration (3 Credits)

POS6158 Politics/Policy in Local Govt (3 Credits)

PAD6207 Econ and Municipal Finance (3 Credits)

SELECT one Local Govt elective (3 cr)

Major Electives (9 credits)

Students are required to take 3-9 credits, depending on mid-career credit status, to reach the requisite total credits. Recent

graduates require 6 credits plus PAD6946 Internship in Public Administration (3 credits); students with 1+ year of relevant professional experience require 6 credits; and students with 5+ years of managerial experience require 3 credits. Other electives from outside the MPA program may be approved by the MPA Director.

SELECT 1-3 additional MPA courses

Major: History
Concentration: Thesis
Degree: Master of Arts

Prerequisites (3 credits)

HIS3051 (GW) Craft Of The Historian (3 Credits)

Major Requirements (36 credits)

Only one section of HIS 6946 (Internship in History) and one section of HIS 6905 (Directed Independent Study) will be permitted for the thesis program. Independent Studies and Internships may not substitute for required Readings Seminar or Research Seminars. After course requirements have been completed students will enroll in thesis research until the thesis is completed.

Students under the thesis option will have 2 years following the completion of their course work to write and defend their thesis.

The thesis advisor, always a historian, will be selected by the student in consultation with the graduate coordinator once two 6000 level seminars have been completed.

Designation of official manuscript/footnote for thesis, and non-thesis papers: "Chicago Manual of Style," using footnotes rather than endnotes.

An oral defense will be scheduled after the thesis has been approved by the committee. Committee members will conduct the defense, which may be attended by any member of the graduate faculty. After the defense, the student is responsible for fulfilling the university's requirements regarding thesis submission.

Students may take no more than four classes (12 hrs) with any one faculty member including HIS 6905 (Directed Independent Study) and excepting HIS6946 (Internship in History) and HIS 6971(Thesis Research)

All students must apply for graduation during registration for the last semester of courses at UNF. Deadlines are published online.

SELECT 3 Readings Seminars (9 hrs)

- 6000 level
- EUH 6905 Readings in Eur History I OR EUH 6906 Readings in Eur History II OR AMH 6905 Readings in Am History I OR

AMH 6907 Readings in Am History II OR LAH 6905 Readings in Latin American History I OR LAH 6906 Readings in Latin American History II OR Readings Seminars with AFH or ASH designation.

SELECT A 3 His Res Sems (9 hrs)

- 6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT B 2 History Courses (6 hrs)

- 5000/6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT C 2 History Courses (6 hrs)

- 5000/6000 level
- AFH/ASH/LAH

HIS6971 Thesis Research (1-6 Credits)

At least 6 hours and no more than 15 hours required in HIS 6971. Continual enrollment (summer exempted) required.

Major: Public Administration
Concentration: National Security
Degree: Master of Public Admin.

Core Requirements (21 credits)

- Mid-career credit

As mid-career Navy officers or equivalent, applicants for the UNF-MPA program National Security concentration are eligible to have 6 credits waived from the default 42 credit requirement.

- In order to graduate from the program: grades of C or above are required in all MPA courses; grades of B or above are required in at least 6 of the 7 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

NOTE: PAD5700 is a prerequisite for PAD6706, PAD6066, PUP6006, and PUP6007. PAD6060 is a prerequisite for PAD6066.

PAD6060 Public Admin in Modern Society (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6106 Admin Behavior in Public Org (3 Credits)

PUP6006 Prog Eval Pub/NP Mgt (3 Credits)

PAD6066 Capstone Seminar (3 Credits)

Prereq: requires permission of MPA director

Major Requirements (12 credits)

National security concentration students must transfer 12 hours from the Naval War College nonresidential seminar program. This concentration is offered in conjunction with the Naval War College

nonresidential seminar program, open only to serving Navy Officers, Officers from other uniformed services, and some senior personnel from federal agencies.

SELECT 12 Naval War College credits

Major Electives (3 credits)

SELECT 3 CREDITS

Students are required to take 3 credits to reach the requisite 36 total credits. Students may select courses in graduate programs other than the MPA program with the approval of the MPA director.

SELECT 1 additional MPA course.

Major: International Affairs

Degree: Master of Arts

Core Requirements (15 credits)

The program consists of a minimum of 36 credit hours, 15 of which are earned through an interdisciplinary common core of required courses.

INR6607 International Relations Theory (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

ANG5472 Globalization and Development (3 Credits)

ECO6009 International Economics (3 Credits)

AMH5515 U.S. in World Affairs (3 Credits)

Major Electives (21 credits)

Students choose six (6) courses from the list below and must earn the final 3 credits through completion of a thesis or field experience:

I. Economics and Geography

- ECO 6060 Economic Analysis (3 Credits)
- ECO 6705 The Global Economy (3 credits)
- GEO 6506 Economic Geography and GIS (3 credits)

II. Criminology and Criminal Justice

- CJE 5121 Homeland Security and Criminal Justice (3 credits)

III. English/Literature

- ENL 6502 Studies in Early British Literature (3 credits)
- ENL 6509 Studies in Later British Literature (3 credits)
- FIL 5934 Advanced Topics in Film (3 credits) Only to be used when the topic is Asian Cinema, International Film Survey or Transnational Cinema
- LIT 6654 Comparative and World Literature (3 credits)

IV. Foreign Languages

- FOL 5930 Topics in Foreign Languages (3 credits)

V. History

- EUH 6906 Readings in European History II (3 credits)
- LAH 6906 Readings in Latin American History II (3 credits)

Please note: Students must have completed HIS 3051 Craft of the Historian or obtained permission from the instructor to enroll in History courses and seminars listed below:

- ASH 5935 Special Topics: Asian History (3 credits)
- EUH 5934 Selected Topics: European History (3 credits)
- EUH 6936 Seminar in European History (3 credits)
- HIS 5934 Special Topics in History (3 credits)
- LAH 5934 Selected Topics: Latin America History
- LAH 6936 Seminar: Latin American History (3 credits)
(3 credits)

VI. Philosophy & Religious Studies

- PHI 5XXX Ethics, Religion and Global Discourse (3 credits)
PHI 5XXX Philosophy of the Social Sciences (3 credits)
- PHM 5XXX Contemporary Political Philosophy (3 credits)

VII. Political Science & Public Administration

- CPO 5535 Politics of South Asia (3 credits)
- CPO 6206 Politics of Africa (3 credits)
- INR 5449 International Law and Organization (3 credits)
- INR 6330 Contemporary American Foreign and Security Policy (3 credits)
- INR 6705 International Public Economy (3 credits)
- INR 6908 Directed Independent Study (1-3 credits)
- INR 5352 International Environmental Policy (3 credits)
- INR 6938 Special Topics in International Affairs (3 credits)
- PAD 6173 Global Civil Society (3 credits)
- PAD 6836 Comparative Public Administration Security Policy (3 credits)
- PUP 6006 Program Evaluation for Public and Nonprofit Management (3 credits)

VIII. Public Health

- HSC 6165 Global Sexuality and Reproductive Health (3 credits)
- HSC 6625 Global Health (3 credits)
- HSC 6675 Global Health: Water, Sanitation and Hygiene (3

credits)

- HSC 6931 Special Topics(3 credits)

THESIS OR FIELD EXPERIENCE (3 CR)

Students will choose either to write a master's degree thesis OR undertake a field experience. The field experience may be either an internationally-oriented internship or study abroad program. For students who study abroad and earn at least 3 credits from an institution abroad, this required course may be taken for zero credits. The MAIA graduate director must approve all internships and study abroad programs as meeting this requirement. The student will register for one of the following courses to complete the Thesis/Non-Thesis option:

- INR 6971 Thesis (1-3 credits)
- INR 6946 Field Experience in International Affairs (0-3 credits)

Contextual Courses (0 credits)

To graduate with the MAIA, students must demonstrate language proficiency at the intermediate level by:

- 1. Completing undergraduate Beginning 1, Beginning II, Intermediate I and Intermediate II (or their equivalents) in a single language while enrolled in the MAIA program.
- 2. Having completed 14 or more credits of a single language at the undergraduate level prior to admission.
- 3. Meeting this requirement in other ways as deemed appropriate by the graduate program director and chair of the Department of Languages, Literatures and Cultures

Students who choose to pursue language coursework at an institution other than UNF, whether in the US or abroad, must consult beforehand with the graduate program director to ensure that credits will transfer and to complete any necessary paperwork/

(Note: A language placement exam may not be used for this purpose.)

Major: Public Administration
Concentration: Non-Profit Management
Degree: Master of Public Admin.

Prerequisites (6 credits)

SELECT One American Government course

One undergraduate course in American Government, or American Political System, or POS 2041 Intro to American Government.

SELECT One Statistics course

One undergraduate course in Statistics; or the UNF POS 3733 POS 3734 sequence.

Core Requirements (21 credits)

- Mid-career credit

Applicants for the UNF-MPA program with relevant professional experience may be eligible to have 3 or 6 credits waived from the default 42 credit requirement. Recent graduates from a Bachelor's degree program, and with little professional work experience, will require a total of 42 credits: 39 credits of course work, as well as PAD6946 Internship in Public Administration (3 Credits). Applicants with at least one year of full-time relevant professional experience will require 39 credits of course work, with the internship requirement waived. Applicants with at least five years of professional experience, at the managerial level (with budget authority, or in policy development) may have 3 elective credits waived in addition to the internship, and so will require a total of 36 credits. In the case of either the 36 or 39 credit option, the student must submit a letter from the relevant supervisor(s) attesting to the requisite level of experience. This must be done on application to the program, or by the end of the first semester of coursework.

- Undergraduate Accelerated Bachelor to MPA program

Accelerated Bachelor to MPA students are not eligible for mid-career credit. Students from the UNF Accelerated Bachelor to

MPA program who have successfully met the admission requirements of the MPA program, may count toward the MPA 12 credits of 5000-6000 level MPA classes taken as They must take the remainder of the MPA curriculum, an undergraduate, in which grades of B or higher are earned. including PAD6946 Internship (3 Credits).

- In order to graduate from the program: grades of C or above are required in all MPA courses; grades of B or above are required in at least 6 of the 7 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.
NOTE: PAD5700 is a prerequisite for PAD6706, PAD6066, PUP6006, and PUP6007. PAD6060 is a prerequisite for PAD6066.

PAD6060 Public Admin in Modern Society (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6106 Admin Behavior in Public Org (3 Credits)

PUP6006 Prog Eval Pub/NP Mgt (3 Credits)

PAD6066 Capstone Seminar (3 Credits)

Prereq: requires permission of MPA director

Major Requirements (12 credits)

PAD6142 Mgt of Nonprofit Orgs (3 Credits)

PAD6208 Nonprofit Financial Management (3 Credits)

PAD6164 NPO Stakeholder Relations (3 Credits)

SELECT one Nonprofit Management elect

Major Electives (9 credits)

Students are required to take 3-9 credits, depending on mid-career credit status, to reach the requisite total credits. Recent

graduates require 6 credits plus PAD6946 Internship in Public Administration (3 credits); students with 1+ year of relevant professional experience require 6 credits; and students with 5+ years of managerial experience require 3 credits. Other electives from outside the MPA program may be approved by the MPA Director.

SELECT 1-3 additional MPA courses

Major: Material Science & Engineering

Degree: Master of Science

Major Requirements (12 credits)

The Materials Science and Engineering master's degree consists of 30 credits and requires a thesis.

EMA5104 Adv Materials Principles I (3 Credits)

EMA5114 Adv Materials Principles II (3 Credits)

- Prerequisite: EMA 5104 Advanced Materials Principles I

EMA5504 Materials Characterization (3 Credits)

EMA5814 Modeling & Sim of Materials (3 Credits)

Experiential Learning (18 credits)

Every Materials Science and Engineering master's student is required to complete a total of 17 credits of the variable-credit course Graduate Thesis Research as well as the one credit Graduate Thesis Defense. A thesis committee must be established and the thesis proposal must be approved by the committee before more than 6 credits of Graduate Thesis Research have been completed. Graduate Thesis Defense should be taken in the student's final term.

EMA6971 Graduate Thesis Research (1-9 Credits)

EMA6973 Graduate Thesis Defense (1 Credit)

Major: Public Administration
Concentration: Public Policy
Degree: Master of Public Admin.

Prerequisites (6 credits)

SELECT One American Government course

One undergraduate course in American Government, or American Political System, or POS 2041 Intro to American Government.

SELECT One Statistics course

One undergraduate course in Statistics; or the UNF POS 3733 POS 3734 sequence.

Core Requirements (21 credits)

- Mid-career credit

Applicants for the UNF-MPA program with relevant professional experience may be eligible to have 3 or 6 credits waived from the default 42 credit requirement. Recent graduates from a Bachelor's degree program, and with little professional work experience, will require a total of 42 credits: 39 credits of course work, as well as PAD6946 Internship in Public Administration (3 Credits). Applicants with at least one year of full-time relevant professional experience will require 39 credits of course work, with the internship requirement waived. Applicants with at least five years of professional experience, at the managerial level (with budget authority, or in policy development) may have 3 elective credits waived in addition to the internship, and so will require a total of 36 credits. In the case of either the 36 or 39 credit option, the student must submit a letter from the relevant supervisor(s) attesting to the requisite level of experience. This must be done on application to the program, or by the end of the first semester of coursework.

- Undergraduate Accelerated Bachelor to MPA program

Accelerated Bachelor to MPA students are not eligible for mid-career credit. Students from the UNF Accelerated Bachelor to

MPA program who have successfully met the admission requirements of the MPA program, may count toward the MPA 12 credits of 5000-6000 level MPA classes taken as They must take the remainder of the MPA curriculum, an undergraduate, in which grades of B or higher are earned. including PAD6946 Internship (3 Credits).

- In order to graduate from the program: grades of C or above are required in all MPA courses; grades of B or above are required in at least 6 of the 7 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.
NOTE: PAD5700 is a prerequisite for PAD6706, PAD6066, PUP6006, and PUP6007. PAD6060 is a prerequisite for PAD6066.

PAD6060 Public Admin in Modern Society (3 Credits)

PAD5700 Public Admin Research Methods (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6106 Admin Behavior in Public Org (3 Credits)

PUP6006 Prog Eval Pub/NP Mgt (3 Credits)

PAD6066 Capstone Seminar (3 Credits)

Prereq: requires permission of MPA director

Major Requirements (12 credits)

PUP6007 Policy Analysis (3 Credits)

PAD6706 Research Design (3 Credits)

(prereq: PAD 5700, with grade of B or better)

PAD6207 Econ and Municipal Finance (3 Credits)

SELECT one Public Policy elective

Major Electives (9 credits)

Students are required to take 3-9 credits, depending on mid-career credit status, to reach the requisite total credits. Recent graduates require 6 credits plus PAD6946 Internship in Public Administration (3 credits); students with 1+ year of relevant professional experience require 6 credits; and students with 5+ years of managerial experience require 3 credits. Other electives from outside the MPA program may be approved by the MPA Director.

SELECT 1-3 additional MPA courses

Major: Mathematical Science

Concentration: Mathematics

Degree: Master of Science

Prerequisites (33 credits)

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

MAA4211 (GM) Advanced Calculus I (4 Credits)

MAA4212 (GM) Advanced Calculus II (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

STA4321 (GM) Probability and Statistics (4 Credits)

COP2220 Programming I (3 Credits)

Or an equivalent scientific programming course.

Major Requirements (18 credits)

Students must apply to graduate by the published deadline during their final semester.

Grades of B or better are required in all graduate courses.

A minimum of 32 semester hours are required for the degree.

MAS6145 Advanced Linear Algebra (3 Credits)

STA6446 Probability (3 Credits)

STA6166 Statistical Methods I (3 Credits)

STA6326 Mathematical Statistics I (3 Credits)

MAD6405 Numerical Analysis (3 Credits)

MAP6385 Scientific Computing (3 Credits)

Major Electives (14 credits)

In one of the concentrations (to be selected in consultation with the graduate advisor). May include no more than 6 semester hours of thesis.

SELECT 14 HOURS FROM THE FOLLOWING:

- MAA 6417 Complex Analysis (3 credits)
- MAA 6938 Topics in Applied Analysis (3 credits)
- MAP 6336 Ordinary Differential Equations (3 credits)
- MAP 6345 Partial Differential Equations (3 credits)
- MAP 6605 Topics in Financial Mathematics (3 credits)
- MAP 6932 Topics in Optimization (3 credits)
- MAS 6218 Topics in Number Theory (3 credits)
- MAS 6311 Abstract Algebra (3 credits)
- MAS 6933 Topics in Algebra (1-3 credits)
- MAS 6938 Topics in Applied Algebra (3 credits)
- MAT 5932 ST: Mathematical Science (1-3 credits)
- MAT 6908 Directed Individual Study (1-3 credits)
- MAT 6933 ST: Mathematics (1-3 credits)
- MAT 6938 Seminar in Mathematics (1-3 credits)
- MAT 6971 Thesis (1-3 credits)
- STA 6666 Statistical Quality Control (3 credits)
- MAP 6489 Mathematical Biology (3 credits)

Major: Social Work
Concentration: Advanced Standing
Degree: Master of Social Work

Informational Text (0 credits)

The Master of Social Work (MSW) program fosters a commitment to creating social change through a holistic practice of social work that emphasizes the attainment of biopsychosocial-economic and spiritual wellbeing, especially among people who experience systematic marginalization and oppression. Through an educational experience founded on critical thinking, research, service, and social justice and enriched through diverse community partnerships, the program prepares professional advanced generalists social workers for multi-method clinical and administrative practice with individuals, families, groups, organizations, and communities.

The UNF MSW program offers both Traditional and Advanced Standing tracks. The Advanced Standing track is designed for students who have a Bachelor of Social Work (BSW) degree and are academically prepared for accelerated graduate study. The Advanced Standing Program of Study (39 credits) begins during the summer semester and may be completed in one academic year. MSW courses are offered face-to-face on the UNF campus during the late afternoon and evening hours.

Field education is the "signature pedagogy" of social work education. Advanced Standing students must complete 500 hours of field education at the advanced generalist level.

Foundation (9 credits)

SOW5185 Community Social Work Practice (3 Credits)

SOW5470 Social Work Research & Theory (3 Credits)

SOW5307 Comm & Critical Thinking in SW (3 Credits)

Major Requirements (18 credits)

SOW6445 Practice and Program Eval (3 Credits)

SOW6126 Adv Prac w Children, Families (3 Credits)

SOW6945 Field Education III (3 Credits)

SOW6935 Adv Topics in Human Behavior (3 Credits)

SOW6948 Field Education IV (3 Credits)

SOW6646 Adv Prac w Adults and Elders (3 Credits)

Major Electives (12 credits)

12CREDITS SOW courses from below list

- SOW 6745 Hospice and Palliative Care
- SOW 6932 Advanced Seminar in Clinical Practice
- SOW 6907 Directed Independent Study in Social Work
- SOW 6655 Child Welfare and Social Work Practice
- SOW 6670 Social Work Practice with the Military, Veterans, and their Families
- SOW 6605 Social Work in Health Care Settings
- SOW 6125 Psychopathology
- SOW 6934 Advanced Special Topics in Social Work

Major: Mathematical Science

Concentration: Statistics

Degree: Master of Science

Prerequisites (31 credits)

MAC2311 (GM) Calculus I (4 Credits)

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAS3105 (GM) Linear Algebra (4 Credits)

MAA4211 (GM) Advanced Calculus I (4 Credits)

STA3163 (GM) Statistical Methods I (4 Credits)

STA4321 (GM) Probability and Statistics (4 Credits)

COP2220 Programming I (3 Credits)

Or an equivalent scientific programming course.

Major Requirements (18 credits)

Students must apply to graduate by the published deadline during their final semester.

Grades of B or better are required in all graduate courses.

A minimum of 32 semester hours are required for the degree.

MAS6145 Advanced Linear Algebra (3 Credits)

STA6446 Probability (3 Credits)

STA6166 Statistical Methods I (3 Credits)

STA6326 Mathematical Statistics I (3 Credits)

MAD6405 Numerical Analysis (3 Credits)

STA6106 Computer-Intensive in Stats (3 Credits)

Major Electives (14 credits)

Select one concentration (in consultation with the graduate advisor). May include no more than 6 semester hours of thesis.

SELECT 14 HOURS FROM THE FOLLOWING:

- MAP 6605 Topics in Financial Mathematics (3 credits)
- STA 6167 Statistical Methods II (3 credits)
- STA 6205 Design of Experiments (3 credits)
- STA 6226 Sampling (3 credits)
- STA 6505 Categorical Data Analysis (3 credits)
- STA 6666 Statistical Quality Control (3 credits)
- STA 6707 Multivariate Methods (3 credits)
- STA 6XXX Mathematical Statistics II (3 credits)
- STA 6908 Directed Individual Study (1-3 credits)
- STA 6932 ST: Statistics (1-3 credits)
- STA 6938 Seminar in Statistics (1-3 credits)
- STA 6940 Statistical Consulting (3 credits)
- STA 6971 Thesis (1-3 credits)
- MAP 6489 Mathematical Biology (3 credits)

Major: Social Work
Concentration: Traditional Program
Degree: Master of Social Work

Major Requirements (48 credits)

The Master of Social Work (MSW) program fosters a commitment to creating social change through a holistic practice of social work that emphasizes the attainment of biopsychosocial-economic and spiritual wellbeing, especially among people who experience systematic marginalization and oppression. Through an educational experience founded on critical thinking, research, service, and social justice and enriched through diverse community partnerships, the program prepares professional advanced generalist social workers for multi-method clinical and administrative practice with individuals, families, groups, organizations, and communities.

The UNF MSW Program offers both Traditional and Advanced Standing tracks. The Traditional track is designed for students who do not have a Bachelor of Social Work (BSW) degree. The Traditional Program of Study (60 credits) begins in the fall semester and may be completed full-time in two years or part-time in four years. MSW courses are offered face-to-face on the UNF campus during the late afternoon and evening hours.

Field education is the "signature pedagogy" of social work education. Traditional MSW students are required to complete 900 hours of field education, including 400 hours at the generalist practice level and 500 hours at the advanced generalist level.

48 CREDITS EACH COURSE FROM BELOW

- SOW 5207 Foundations of Social Work
- SOW 5625 Difference, Discrimination and Oppression
- SOW 5107 Human Behavior and Social Environment
- SOW 5931 Generalist Practice I Integrative Seminar
- SOW 5940 Field Experience I
- SOW 5235 U.S. Social Welfare Policies and Institutions
- SOW 5404 Methods of Social Work Research
- SOW 5932 Generalist Practice II Integrative Seminar
- SOW 5941 Field Experience II
- SOW 5337 Social Work Practice with Organizations and Communities
- SOW 6445 Practice and Program Evaluation

- SOW 6646 Advanced Interpersonal Practice with Children/Adolescents & Families
- SOW 6945 Field Education III with Integrated Seminar
- SOW 6935 Advanced Topics in Human Behavior
- SOW 6948 Field Education IV & Integrated Seminar
- SOW 6126 Advanced Interpersonal Practice with Adults and Elders

Major Electives (12 credits)

12CREDITS from the following list:

- SOW 6745 Hospice and Palliative Care (3 Credits)
- SOW 6932 Advanced Seminar in Clinical Practice (3 Credits)
- SOW 6907 Directed Independent Study in Social Work (3 Credits)
- SOW 6655 Child Welfare and Social Work Practice (3 Credits)
- SOW 6670 Social Work Practice with the Military, Veterans, and their Families (3 Credits)
- SOW 6605 Social Work in Health Care Settings (3 Credits)
- SOW 6125 Psychopathology (3 Credits)

Major: Applied Mathematics

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

Because today's businesses depend upon your ability to analyze and interpret data you need the knowledge and technical skills to make decisions that stand up to scrutiny from your supervisors, clients, and customers. Graduate study in applied mathematics can provide you with the tools you need to be confident that your projects are backed by proven methodology, a solid plan, and strong data-driven assessments.

As a student in Applied Mathematics Certificate program, you can increase your understanding of mathematical models while you train on industry- standard software packages such as Maple, Matlab, and Mathematica. The program blends practical and theoretical analysis and will give you the tools and knowledge you need to handle and analyze data/modeling problems for your organization.

Students must possess graduate standing in order to enroll in the Applied Mathematics Certificate Program. In order to receive the Certificate in Applied Mathematics, students must have an average GPA in certificate courses of 3.0 and no grade below a C. Important Notices:

- Please contact graduate advisor for an OFFICIAL program of study. This program is pending evaluation of official transcripts.
- Some courses require additional prerequisites. You must complete course prerequisites before registering for any graduate course. Refer to the course catalog for details.

SELECT 15 credits from the list below

- MAP 6605 Topics in Financial Math (3 credits)
- MAD 6405 Numerical Analysis (3 credits)
- STA 6166 Statistical Methods 1 (3 credits)
- MAA 6938 Topics in Applied Analysis (3 credits)
- MAP 6336 Ordinary Differential Equations (3 credits)
- MAP 6932 Topics in Optimization (3 credits)
- MAP 6345 Partial Differential Equations (3 credits)
- MAP 6385 Scientific Computing (3 credits)

- MAT 6933 Special Topic: Mathematical Science (3 credits)
- MAP 6489 Mathematical Biology (3 Credits)

For more information on course descriptions please visit the course catalog.

Major: Nonprofit Management Cert

Degree: Post-Baccalaureate Certificate

Certificate Requirements (12 credits)

The Graduate Certificate in Nonprofit Management is composed of 4 required courses (3 common courses and one approved elective) and consists of 12 credit hours that provide participants with detailed knowledge and skills in nonprofit management. Students are not required to be admitted to the MPA or any other UNF graduate program to earn the certificate. However, students enrolled in any UNF graduate program can earn the certificate by taking the following courses.

PAD6142 Mgt of Nonprofit Orgs (3 Credits)

PAD6164 NPO Stakeholder Relations (3 Credits)

PAD6208 Nonprofit Financial Management (3 Credits)

SELECT 1 FROM THE FOLLOWING:

(other courses as approved by the MPA Director)

- PAD 5384 Civic Groups and Public Policy
- E-Governance in Public Nonprofit Organizations
- EDA 6930 Grants Development & Project Design
- HSC 6706 Grantsmanship

Major: Public Management Cognate

Cognate: Public Management Cognate (12 credits)

The Cognate in Public Management is composed of 4 required courses (3 common courses and one approved elective) and consists of 12 credit hours that provide participants with a good working knowledge and skills in public management. The cognate is designed for students in UNF graduate programs interested in adding management of government agencies to their skill set. Students enrolled in any UNF graduate program can earn the cognate by taking the following courses:

PAD6060 Public Admin in Modern Society (3 Credits)

PAD6227 Government Budget and Finance (3 Credits)

PAD6417 Human Res in Public/NP Mgmt (3 Credits)

SELECT one elective from MPA courses

- PAD 5000 - 6999 or PUP 5000 - 6999

Major: Construction Management

Concentration: Executive Thesis Option

Degree: Master of Science

Informational Text

The Construction Management Masters Degree consists of a minimum of thirty credit hours. Graduate students in the Construction Management Major may select either a course work, thesis, or a project based executive. These options are detailed below.

Students without a Construction or Engineering degree are required to complete the following pre-requisite courses: : PHY 2053: Algebra Based Physics I (3 credits) and Lab (1 credit), and BCN 2405: Introduction to Structures (3 credits) prior to registering for 5000-6000 level Construction Management courses.

All programs of study must be approved by the Construction Management Graduate Program Coordinator prior to the end of the second semester of graduate study.

UNF Conditions for the Degree:

1. A GPA of 3.0 must be maintained.
2. At least 18 hours of coursework at the 6000-level must be applied to the degree.
3. See relevant and related graduate policies.

Construction Management Department Conditions for the Degree

1. All coursework must be completed with a grade of C or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. A student may transfer up to 12.0 of approved coursework from outside institutions.

Prerequisites (6 credits)

If no Construction Management or Engineering Degree

PHY2053 Algebra-Based Physics I (3 Credits)

Informational Text

Meet with your faculty academic advisor to select up to 24 credits from the major requirement options section or approved electives from business or a STEM field. Up to 6 credit hours of electives are allowed and up to 12 hours of Independent Research are allowed if no electives are selected. Each credit hour of electives decreases the credit hours of Independent Research allowed.

The Project-Based Thesis Option allows for three tracks to the student:

- 1) 18 credit hours from the Major Requirement Options, 6 credit hours from the Elective Options, and 6 credit hours of Project-Based Thesis OR
- 2) 18 credit hours from the Major Requirement Options and 12 credit hours of Project-Based Thesis OR
- 3) 24 credit hours from the Major Requirement Options and 6 credit hours of Project- Based Thesis.

Major Requirements (24 credits)

BCN5036 Research Methods (3 Credits)

SELECT 15-21 credits from following:

BCN6315: Advanced Construction Technology (3 Credits)

BCN6595: Environmental Issues in Land Development & Construction (3 Credits)

BCN6728: Construction Planning & Scheduling (3 Credits)

BCN6748: Construction Law (3 Credits)

BCN6585: Sustainability in Construction (3 Credits)

BCN6305: Building Information Modeling (3 Credits)

BCN6470: Production Management in Construction (3 Credits)

BCN5737: Advanced Construction Safety & Health (3 Credits)

BCN6715: Construction Labor Resources (3 Credits)

BCN6763: Constructability (3 Credits)

Major Electives (6 credits)

6 credit hours from construction management, business, mathematics, computing, or engineering (must be 5000 level or above) if their Bachelors degree is in Construction Management.

ELECTIVE Options (6 credits)

FIN6407: Financial Management (3 Credits)
MAN6002: Cornerstones of Management (3 Credits)
CEG6806: Ground and Site Improvement (3 Credits)
CES5706: Advanced Reinforced Concrete (3 Credits)
CGN5406: Risk Assessment (3 Credits)
EML5606: Air Conditioning and Refrigeration (3 Credits)
EML6417: Solar Energy Devices (3 Credits)
ECO6415: Making Decisions with Data (3 Credits)
CEG5/6XXX: Various courses at the 5000 & 6000 level
CES5/6XXX: Various courses at the 5000 & 6000 level
CGN5/6XXX: Various courses at the 5000 & 6000 level
ECO5/6XXX: Various courses at the 5000 & 6000 level
EML5/6XXX: Various courses at the 5000 & 6000 level
FIN5/6XXX: Various courses at the 5000 & 6000 level
MAN5/6XXX: Various courses at the 5000 & 6000 level

Thesis (6 credits)

6 credits required, up to 12 credits optional for track #2

BCN6970 Master Thesis Research (3 Credits)

Major: Construction Management

Concentration: Thesis Option

Degree: Master of Science

Informational Text

The Construction Management Masters Degree consists of a minimum of thirty credit hours. Graduate students in the Construction Management Major may select either a course work, thesis, or a project based executive. These options are detailed below.

Students without a Construction or Engineering degree are required to complete the following pre-requisite courses: : PHY 2053: Algebra Based Physics I (3 credits) and Lab (1 credit), and BCN 2405: Introduction to Structures (3 credits) prior to registering for 5000-6000 level Construction Management courses.

All programs of study must be approved by the Construction Management Graduate Program Coordinator prior to the end of the second semester of graduate study.

UNF Conditions for the Degree:

1. A GPA of 3.0 must be maintained.
2. At least 18 hours of coursework at the 6000-level must be applied to the degree.
3. See relevant and related graduate policies.

Construction Management Department Conditions for the Degree

1. All coursework must be completed with a grade of C or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. A student may transfer up to 12.0 of approved coursework from outside institutions.

Prerequisites (6 credits)

If no Construction Management or Engineering Degree

PHY2053 Algebra-Based Physics I (3 Credits)

BCN2405 Introduction to Structures (3 Credits)

Informational Text

Meet with your faculty academic advisor to select 24 credits from the Construction Management Graduate Course Catalog or an approved elective from business or a STEM field, up to 6 credit hours of electives are allowed.

The Thesis Option allows for two course tracks to the student:

- 1) 18 credit hours from the Major Requirement Options, 6 credit hours from the Elective Options, and 6 credit hours of Thesis OR
- 2) 24 credit hours from the Major Requirement Options and 6 credit hours of Thesis.

Major Requirements (24 credits)

BCN5036 Research Methods (3 Credits)

SELECT 15-21 credits from following:

BCN 6315: Advanced Construction Technology (3 Credits)

BCN 6595: Environmental Issues in Land Development & Construction (3 Credits)

BCN 6728: Construction Planning & Scheduling (3 Credits)

BCN 6748: Construction Law (3 Credits)

BCN 6585: Sustainability in Construction (3 Credits)

BCN 6305: Building Information Modeling (3 Credits)

BCN 6470: Production Management in Construction (3 Credits)

BCN 5737: Advanced Issues in Construction Safety & Health (3)

BCN 6715: Construction Labor Resources (3 Credits)

BCN 6763: Constructability (3 Credits)

Major Electives (6 credits)

6 credit hours from construction management, business, mathematics, computing, or engineering (must be 5000 level or above) if their Bachelors degree is in Construction Management.

ELECTIVE Options (6 credits)

FIN6407: Financial Management (3 Credits)

MAN6002: Cornerstones of Management (3 Credits)

CEG6806: Ground and Site Improvement (3 Credits)

CES5706: Advanced Reinforced Concrete (3 Credits)

CGN5406: Risk Assessment (3 Credits)

EML5606: Air Conditioning and Refrigeration (3 Credits)

EML6417: Solar Energy Devices (3 Credits)

ECO6415: Making Decisions with Data (3 Credits)

CEG5/6XXX: Various courses at the 5000 & 6000 level

CES5/6XXX: Various courses at the 5000 & 6000 level

CGN5/6XXX: Various courses at the 5000 & 6000 level

ECO5/6XXX: Various courses at the 5000 & 6000 level

EML5/6XXX: Various courses at the 5000 & 6000 level

FIN5/6XXX: Various courses at the 5000 & 6000 level

MAN5/6XXX: Various courses at the 5000 & 6000 level

Thesis (6 credits)

BCN6970 Master Thesis Research (3 Credits)

Major: Construction Management

Degree: Master of Science

Informational Text

The Construction Management Masters Degree consists of a minimum of thirty credit hours. Graduate students in the Construction Management Major may select either a course work, thesis, or a project based executive. These options are detailed below.

Students without a Construction or Engineering degree are required to complete the following pre-requisite courses: : PHY 2053: Algebra Based Physics I (3 credits) and Lab (1 credit), and BCN 2405: Introduction to Structures (3 credits) prior to registering for 5000-6000 level Construction Management courses.

All programs of study must be approved by the Construction Management Graduate Program Coordinator prior to the end of the second semester of graduate study.

UNF Conditions for the Degree:

1. A GPA of 3.0 must be maintained.
2. At least 18 hours of coursework at the 6000-level must be applied to the degree.
3. See relevant and related graduate policies.

Construction Management Department Conditions for the Degree

1. All coursework must be completed with a grade of C or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, academic probation will result.
3. A student may transfer up to 12.0 of approved coursework from outside institutions.

Prerequisites (6 credits)

If no Construction Management or Engineering Degree

PHY2053 Algebra-Based Physics I (3 Credits)

BCN2405 Introduction to Structures (3 Credits)

Informational Text

Meet with your faculty academic advisor to select 24 credits Major Requirement section and 6 credits from the Elective Requirements.

Major Requirements (24 credits)

REQUIRED from the following:

- BCN 6315: Advanced Construction Technology (3 Credits)
- BCN 5036: Research Methods in Construction (3 Credits)
- BCN 6595: Environmental Issues in Land Development & Construction (3 Credits)
- BCN6728: Construction Planning & Scheduling (3 Credits)
- BCN 6748: Construction Law (3 Credits)
- BCN 6585: Sustainability in Construction (3 Credits)
- BCN 6305: Building Information Modeling (3 Credits)
- BCN 6470: Production Management in Construction (3 Credits)
- BCN 5737: Advanced Issues in Construction Safety & Health (3)
- BCN 6715: Construction Labor Resources (3 Credits)
- BCN 6763: Constructability (3 Credits)

Major Electives (6 credits)

6 credit hours from construction management, business, mathematics, computing, or engineering (must be 5000 level or above) if their Bachelors degree is in Construction Management.

ELECTIVE Options (6 credits)

- FIN6407: Financial Management (3 Credits)
- MAN6002: Cornerstones of Management (3 Credits)
- CEG6806: Ground and Site Improvement (3 Credits)
- CES5706: Advanced Reinforced Concrete (3 Credits)
- CGN5406: Risk Assessment (3 Credits)
- EML5606: Air Conditioning and Refrigeration (3 Credits)

EML6417: Solar Energy Devices (3 Credits)

ECO6415: Making Decisions with Data (3 Credits)

CEG5/6XXX: Various courses at the 5000 & 6000 level

CES5/6XXX: Various courses at the 5000 & 6000 level

CGN5/6XXX: Various courses at the 5000 & 6000 level

ECO5/6XXX: Various courses at the 5000 & 6000 level

EML5/6XXX: Various courses at the 5000 & 6000 level

FIN5/6XXX: Various courses at the 5000 & 6000 level

MAN5/6XXX: Various courses at the 5000 & 6000 level

Major: Material Science & Engineering

Degree: Master of Science

Major Requirements (12 credits)

The Materials Science and Engineering master's degree consists of 30 credits and requires a thesis.

EMA5104 Adv Materials Principles I (3 Credits)

EMA5114 Adv Materials Principles II (3 Credits)

- Prerequisite: EMA 5104 Advanced Materials Principles I

EMA5504 Materials Characterization (3 Credits)

EMA5814 Modeling & Sim of Materials (3 Credits)

Experiential Learning (18 credits)

Every Materials Science and Engineering master's student is required to complete a total of 17 credits of the variable-credit course Graduate Thesis Research as well as the one credit Graduate Thesis Defense. A thesis committee must be established and the thesis proposal must be approved by the committee before more than 6 credits of Graduate Thesis Research have been completed. Graduate Thesis Defense should be taken in the student's final term.

EMA6971 Graduate Thesis Research (1-9 Credits)

EMA6973 Graduate Thesis Defense (1 Credit)

Major: ASL/English Interpreting
Concentration: Educational Interpreting
Degree: Master of Science

Core Requirements (15 credits)

- INT5457 Interp Intercultural Contexts (3 Credits)
- INT5805 Mentoring Int. Ed. (3 Credits)
- INT6274 Adv ASL Concepts for Interp (3 Credits)
- INT6911 Applied Research Interpret (3 Credits)
- INT6415 DeafBlind Interpreting (3 Credits)

Practicum (3 credits)

- INT6946 Interpreting Internship (3 Credits)

Concentration Requirements (12 credits)

- EEX5053 Foundations Excep Ed and Serv (3 Credits)
- INT5408 Interpreting in Ed Settings (3 Credits)
- INT5405 Interpreting Academic Subjects (3 Credits)
- INT5932 Issues Trends in Ed Interpret (3 Credits)

Major: Elementary Education

Concentration: Elementary STEM

Degree: Master of Education

Prerequisites

- Valid teaching license from any U.S. state or international equivalent
- Must meet all UNF requirements for admission to a graduate program

Core Requirements (15 credits)

EDG6911 Action Research in Education (1-6 Credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDE6205 Differentiating Instruction (3 Credits)

SELECT 1 course from the following:

- EDE6225 Elementary School Curriculum and Instruction
- EEC6205 Curriculum & Instruction in Early Childhood Education
- TSL6142 ESOL Curriculum Development - Recommended for the TESOL Concentration only

EDG6348 Coaching and Mentoring (3 Credits)

Concentration Requirements (15 credits)

MAE6317 Teaching Elem Math Using Tech (3 Credits)

SCE6735 Trends and Issues Elem Sci Tch (3 Credits)

SMT6316 Creativity, Innovation in STEM (3 Credits)

IDC6015 Comp Think in Elem STEM Plus C (3 Credits)

SMT6615 Engineering in El. Class (3 Credits)

Major: ASL/English Interpreting
Concentration: Interpreting Pedagogy
Degree: Master of Science

Major Requirements (30 credits)

INT5800 Legacies Leadership Interp Ed (3 Credits)

INT6802 Methods for Teaching Interp (3 Credits)

INT6807 Teaching Translation (3 Credits)

INT6810 Curriculum Dev. and Rev. (3 Credits)

INT6811 Performance Assessment (3 Credits)

INT6830 Adult Trans. Learn Interp Ed (3 Credits)

INT6840 Distance Learning Int. Ed. (3 Credits)

INT6911 Applied Research Interpret (3 Credits)

INT6930 Special Topics in Interp Ed (3 Credits)

INT6942 Pedagogy Internship (3 Credits)

Major: Elementary Education
Concentration: K-12 Reading Endorsement
Degree: Master of Education

Prerequisites

- Valid teaching license from any U.S. state or international equivalent
- Must meet all UNF requirements for admission to a graduate program

Core Requirements (15 credits)

EDG6911 Action Research in Education (1-6 Credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDE6205 Differentiating Instruction (3 Credits)

SELECT 1 course from the following:

- EDE6225 Elementary School Curriculum and Instruction
- EEC6205 Curriculum & Instruction in Early Childhood Education
- TSL6142 ESOL Curriculum Development - Recommended for the TESOL Concentration only

EDG6348 Coaching and Mentoring (3 Credits)

Concentration Requirements (15 credits)

RED6000 Lang and Cognit Found for Read (3 Credits)

RED6546 Literacy Difficulties (3 Credits)

RED6656 Adv Foundations of Reading (3 Credits)

RED6548 Remediation Read Disabilities (3 Credits)

RED5846 Practicum in Reading (1-3 Credits)

Major: Elementary Education
Concentration: Reading & Adv Literacy
Degree: Master of Education

Prerequisites

- Valid teaching license from any U.S. state or international equivalent
- Must meet all UNF requirements for admission to a graduate program

Core Requirements (15 credits)

EDG6911 Action Research in Education (1-6 Credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDE6205 Differentiating Instruction (3 Credits)

SELECT 1 course from the following:

- EDE6225 Elementary School Curriculum and Instruction
- EEC6205 Curriculum & Instruction in Early Childhood Education
- TSL6142 ESOL Curriculum Development - Recommended for the TESOL Concentration only

EDG6348 Coaching and Mentoring (3 Credits)

Concentration Requirements (15 credits)

CHOOSE five of the following:

- RED6303 Building Literacy through Play (3 Credits)
- RED6096 Literacy Coaching (3 Credits)
- RED6796 Literacy Research, Issues and Trends (3 Credits)
- RED6349 Literacy through Storytelling (3 Credits)
- RED6345 Motivating Reluctant Readers (3 Credits)
- RED6698 Teaching Critical Literacy (3 Credits)
- LAE6415 Teaching Literacy with Books (3 Credits)
- RED6697 Teaching New Literacies (3 Credits)

Major: Curriculum and Instruction
Concentration: Advanced Secondary Ed
Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

CHOOSE one of the following:

- EDG6348 Coaching/Mentoring for Effective Teaching & Instruction (3 credits)
- EDE6205 Effective Practices for Differentiating Instruction (3 credits)

CHOOSE one of the following:

- EDE6225 Elementary School Curriculum & Instruction (3 credits)
- EEC6205 Curriculum & Instruction in Early Childhood Ed (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 Secondary School Curriculum (3 credits)
- EDG6070 Teacher Thinking & Decision Making in Secondary Settings (3 credits)

Concentration Requirements (3 credits)

EDG6070 Tchr Thinking/Decision Making (3 Credits)

Culminating Experience (3 credits)

EDG6911 Action Research in Education (1-6 Credits)

Electives (12 credits)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

CHOOSE 4 Electives

in Consultation with Faculty Advisor (Level 5000 or higher).

Major: Elementary Education
Concentration: Tch Eng/Speakers of Other Lang
Degree: Master of Education

Prerequisites

- Valid teaching license from any U.S. state or international equivalent
- Must meet all UNF requirements for admission to a graduate program

Core Requirements (15 credits)

EDG6911 Action Research in Education (1-6 Credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDE6205 Differentiating Instruction (3 Credits)

SELECT 1 course from the following:

- EDE6225 Elementary School Curriculum and Instruction
- EEC6205 Curriculum & Instruction in Early Childhood Education
- TSL6142 ESOL Curriculum Development - Recommended for the TESOL Concentration only

EDG6348 Coaching and Mentoring (3 Credits)

Concentration Requirements (15 credits)

TSL6345 ESOL Methods (3 Credits)

TSL6254 Applied Linguistics/Grammar (3 Credits)

TSL6440 Assessment in ESOL Settings (3 Credits)

TSL6525 Cross Culture Comm/Knowledge (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

Major: Curriculum and Instruction
Concentration: Early Childhood Ed Leadership
Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

EEC6205 C and I in Early Childhood Ed (3 Credits)

CHOOSE one of the following:

- EDG6205 Effective Practices for Differentiating Instruction (3 credits)
- EDG6348 Coaching and Mentoring for Effective Teaching and Instruction (3 credits)

Concentration Requirements (27 credits)

EEC6756 Social-Emotional Development (3 Credits)

EEC6611 Early Childhood Education (3 Credits)

EEC6261 Program Planning for EC (3 Credits)

EDA6061 Intro. to Ed. Ld. Soc. Justice (3 Credits)

EDA6215 Developing School/Comm Resourc (3 Credits)

EDS6130 Human Resource Deve in Educati (3 Credits)

EDA6196 Leadership/Learning Organizat (3 Credits)

EDA6242 School Finance (3 Credits)

EDA6232 Law and Ethics in Edu Lead (3 Credits)

Culminating Experience (3 credits)

CHOOSE one of the following:

- EDG6911 Action Research in Education (3 credits)
- EEC6944 Practicum in Early Childhood Education (3 credits)

Electives (3 credits)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

CHOOSE 1 Elective

in Consultation with Faculty Advisor (Level 5000 or higher with an LAE, RED, or EEC prefix)

Major: Elementary Education

Degree: Master of Arts in Teaching

Major Requirements (36 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

CHOOSE ONE:

- EDE 6205 Teaching All Children (3 Credits)
- EEX 5053 Foundations of Exceptional Education and Services (3 Credits)

EDF6237 Pncpls Lrn & Clsrm Assessment (3 Credits)

EDG6415 Principles Instruc and Mngmt (3 Credits)

RED6000 Lang and Cognit Found for Read (3 Credits)

RED6656 Adv Foundations of Reading (3 Credits)

SSE6318 Social Study Methods:Elem Tchr (3 Credits)

SCE6117 Science for Elementary Teacher (3 Credits)

MAE6318 Math for Elementary Teachers (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

TSL6254 Applied Linguistics/Grammar (3 Credits)

ESE6947 Professional Internship (1-6 Credits)

Major: Curriculum and Instruction
Concentration: Early Childhood Education
Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

CHOOSE one of the following:

- EDG6348 Coaching/Mentoring for Effective Teaching & Instruction (3 credits)
- EDE6205 Effective Practices for Differentiating Instruction (3 credits)

CHOOSE one of the following:

- EDE6225 Elementary School Curriculum & Instruction (3 credits)
- EEC6205 Curriculum & Instruction in Early Childhood Ed (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 Secondary School Curriculum (3 credits)

Concentration Requirements (9 credits)

EEC6756 Social-Emotional Development (3 Credits)

EEC6611 Early Childhood Education (3 Credits)

EEC6261 Program Planning for EC (3 Credits)

Culminating Experience (3 credits)

CHOOSE one of the following

EDG6911 Action Research in Education (3 credits)

- EEC6944 Practicum in Early Childhood Education (3 credits)

Electives (6 credits)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

CHOOSE 2 Electives

in Consultation with Faculty Advisor (Level 5000 or higher).

Major: Exceptional Student Education

Degree: Master of Arts in Teaching

Major Requirements (21 credits)

EEX5053 Foundations Excep Ed and Serv (3 Credits)

EEX6256 Language for Learning Impaired (3 Credits)

EEX6XXX Literacy II for Students with

EEX5665 Classroom Management (3 Credits)

EEX5485 Math Sci Except Lnrs (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

CHOOSE One of the Following

- TSL6245 Linguistics (3 credits)
- TSL6254 Applied Linguistics and Grammar for Educators (3 credits)

Practicum (9 credits)

EEX68XX Literacy Practicum in Exceptio

EEX68XX Practicum in Exceptional Stude

Major: Curriculum and Instruction

Concentration: Elementary STEM

Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

CHOOSE one of the following:

- EDG6348 Coaching/Mentoring for Effective Teaching & Instruction (3 credits)
- EDE6205 Effective Practices for Differentiating Instruction (3 credits)

CHOOSE one of the following:

- EDE6225 Elementary School Curriculum & Instruction (3 credits)
- EEC6205 Curriculum & Instruction in Early Childhood Ed (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 Secondary School Curriculum (3 credits)

Concentration Requirements (12 credits)

MAE6317 Teaching Elem Math Using Tech (3 Credits)

SCE6735 Trends and Issues Elem Sci Tch (3 Credits)

IDC6015 Comp Think in Elem STEM Plus C (3 Credits)

SMT6615 Engineering in El. Class (3 Credits)

Culminating Experience (3 credits)

Electives (3 credits)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

CHOOSE 1 Elective

in Consultation with Faculty Advisor (Level 5000 or higher).

Major: Curriculum and Instruction
Concentration: K-12 Reading Endorsement
Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

CHOOSE one of the following:

- EDG6348 Coaching/Mentoring for Effective Teaching & Instruction (3 credits)
- EDE6205 Effective Practices for Differentiating Instruction (3 credits)

CHOOSE one of the following:

- EDE6225 Elementary School Curriculum & Instruction (3 credits)
- EEC6205 Curriculum & Instruction in Early Childhood Ed (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 Secondary School Curriculum (3 credits)

Concentration Requirements (9 credits)

RED6000 Lang and Cognit Found for Read (3 Credits)

RED6656 Adv Foundations of Reading (3 Credits)

RED5846 Practicum in Reading (1-3 Credits)

Culminating Experience (3 credits)

EDG6911 Action Research in Education (1-6 Credits)

Electives (6 credits)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

CHOOSE 2 Electives

in Consultation with Faculty Advisor (Level 5000 or higher).

Major: Curriculum and Instruction
Concentration: Reading & Adv Literacy
Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

CHOOSE one of the following:

- EDG6348 Coaching/Mentoring for Effective Teaching & Instruction (3 credits)
- EDE6205 Effective Practices for Differentiating Instruction (3 credits)

CHOOSE one of the following:

- EDE6225 Elementary School Curriculum & Instruction (3 credits)
- EEC6205 Curriculum & Instruction in Early Childhood Ed (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 Secondary School Curriculum (3 credits)

Concentration Requirements (6 credits)

RED6796 Research, Issues and Trends (3 Credits)

RED6345 Motivating Reluctant Readers (3 Credits)

Culminating Experience (3 credits)

EDG6911 Action Research in Education (1-6 Credits)

Electives (9 credits)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

CHOOSE 3 Electives

in Consultation with Faculty Advisor (Level 5000 or higher).

Major: Curriculum and Instruction

Concentration: TESOL

Degree: Master of Education

Prerequisites

- Must meet all UNF requirements for admission to a graduate program.
- Must hold a valid teaching license from any state or international equivalent.

Core Requirements (12 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

CHOOSE one of the following:

- EDG6348 Coaching/Mentoring for Effective Teaching & Instruction (3 credits)
- EDE6205 Effective Practices for Differentiating Instruction (3 credits)

CHOOSE one of the following:

- EDE6225 Elementary School Curriculum & Instruction (3 credits)
- EEC6205 Curriculum & Instruction in Early Childhood Ed (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 Secondary School Curriculum (3 credits)

Concentration Requirements (15 credits)

TSL6345 ESOL Methods (3 Credits)

TSL6254 Applied Linguistics/Grammar (3 Credits)

TSL6440 Assessment in ESOL Settings (3 Credits)

TSL6525 Cross Culture Comm/Knowledge (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

Culminating Experience (3 credits)

CHOOSE one of the following:

- EDG6911 Action Research in Education (3 credits)
- TSL6940 TESOL Practicum (3 credits)

Major: Higher Education Admin.
Concentration: Non-Profit Management
Degree: Master of Science

Core Requirements (6 credits)

EDH6069 Foundations of Higher Ed (3 Credits)

EDF6480 Foundations of Ed Research (3 Credits)

Major Requirements (18 credits)

EDH6405 Higher Education Law (3 Credits)

EDH6505 Higher Education Finance (3 Credits)

EDH6401 Higher Education Policy (3 Credits)

EDH6635 Org and Leadershp in Higher Ed (3 Credits)

EDH6020 Foundations of Student Affairs (3 Credits)

EDH6050 Diversity in Higher Ed. (3 Credits)

Certificate Requirements (12 credits)

PAD6142 Mgt of Nonprofit Orgs (3 Credits)

PAD6164 NPO Stakeholder Relations (3 Credits)

PAD6208 Nonprofit Financial Management (3 Credits)

EDH6510 Grants Develop and Proj Design (3 Credits)

Major: Curriculum and Instruction

Degree: Doctor of Education

Core Requirements (12 credits)

- EDG7224 Adv. Persp. Curriculum (3 Credits)
- EDG7932 Adv. Sem. Instr. Assess. (3 Credits)
- EDG7359 Facilitating and Designing PL (3 Credits)
- EDG7282 Policy and the Ed Leader. (3 Credits)

Foundation (9 credits)

- EDF7545 Philosophy of Education (3 Credits)
- EDF7635 Cultrl/Soc Foundation of Ed (3 Credits)
- EDF7215 Learning and Instruction (3 Credits)

Research Core Requirements (18 credits)

- EDA7420 Fnds of Research in Education (3 Credits)
- EDA7426 Aca Wrt Frame Prob of Prac (3 Credits)
- EDA7400 Quant Mtds in Education (3 Credits)
- EDA7410 Qual Mtds in Education (3 Credits)
- EDA7979 Res Design Sem 1: Adv Meths (3-6 Credits)
- EDA7421 Res Design Sem 2: Prop Develo (3 Credits)

Cognate (9 credits)

Nine hours of 6000-7000 level courses may be used for the cognate. Courses must be within the same discipline.

NOTE: Courses used in a previous degree will not apply.

COGNATE 9 credits at 6000-7000 level

Dissertation (12 credits)

A minimum of 12 hours of dissertation is required.

- EDA7980 Doctoral Dissertation Research (1-12 Credits)

Major: Secondary Education

Degree: Master of Arts in Teaching

Major Requirements (27 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

and Urban Education

EDG6415 Principles Instruc and Mngmt (3 Credits)

and Classroom Management

EDF6237 Princpls Lrn & Clsrm Assessment (3 Credits)

and Introduction to Classroom Assessment

RED6334 Content Area Reading (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

Instruction

EEX5053 Foundations Excep Ed and Serv (3 Credits)

ESE6947 Professional Internship (1-6 Credits)

SELECT One from the following

- LAE 6339 Special Methods: English
- SCE 6337 Special Methods: Science
- SSE 6385 Special Methods: Social Studies
- MAE 6336 Special Methods: Math
- FLE 6555 Special Methods: Foreign Language

Culminating Experience (3 credits)

EDG6427 Teacher Inquiry for Internship (1-6 Credits)

Major: Adv. Secondary Instruction
Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EDG6070 Tchr Thinking/Decision Making (3 Credits)

CHOOSE 4 Electives

in Consultation with Faculty Advisor (Level 5000 or higher)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

Major: K-12 Reading Endorsement

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

RED6000 Lang and Cognit Found for Read (3 Credits)

RED6656 Adv Foundations of Reading (3 Credits)

RED5846 Practicum in Reading (1-3 Credits)

CHOOSE 2 electives

in Consultation with Faculty Advisor (Level 5000 or higher)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

Major: Reading and Advanced Literacy

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

RED6796 Research, Issues and Trends (3 Credits)

RED6345 Motivating Reluctant Readers (3 Credits)

CHOOSE 3 Electives

in Consultation with Faculty Advisor (Level 5000 or higher)

Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

Major: Sec Teach Thnk & Dec Mak Cert
Degree: Post-Baccalaureate Certificate

Certificate Requirements (9 credits)

EDG6070 Tchr Thinking/Decision Making (3 Credits)

EDG6911 Action Research in Education (1-6 Credits)

EDS6050 Instructional Leadership (3 Credits)

Major: Early Childhood Education Cert

Degree: Post-Baccalaureate Certificate

Certificate Requirements (18 credits)

EEC6261 Program Planning for EC (3 Credits)

EEC6611 Early Childhood Education (3 Credits)

EEC6756 Social-Emotional Development (3 Credits)

EEC6944 Practicum Early Childhood Ed (3 Credits)

CHOOSE 2 Electives

in Consultation with Faculty Advisor (Level 5000 or higher)

At least one of these electives must have an RED or LAE prefix. Electives must enhance pedagogical, curricular, or content knowledge, thus electives may be selected from graduate courses both/either inside and outside of the College of Education and Human Services. Students should consult with their faculty advisor to select courses that will benefit their personal educational goals.

Major: Sport Management

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

- Students who have an undergraduate degree in Sport Management would not be required to take SPM 6008 Foundation of Sport Management therefore completing the certificate in 12 hours.

SPM5206 Ethics and Issues in Sport (3 Credits)

SPM5308 Mkt and Promo in Sport (3 Credits)

SPM5506 Sport Finance (3 Credits)

SPM5605 Sport Gov and Compl (3 Credits)

SPM6008 Foundations of Sport Mgt (3 Credits)

Major: Educational Leadership Cert

Degree: Post-Masters Certificate

Certificate Requirements (27 credits)

- Applicants must hold a master's degree from an accredited institution.
- Applicants must hold a valid Florida teaching certificate.
- Applicants must demonstrate prior successful completion of graduate level courses in (1) educational research, (2) social foundations of education, and (3) educational technology (or will be required to complete appropriate courses as part of this program.)
- Students must pass all sections of the Florida Educational Leadership Examination (FELE) prior to completing the program.

EDA6061 Intro. to Ed. Ld. Soc. Justice (3 Credits)

EDA6196 Leadership/Learning Organizat (3 Credits)

EDA6215 Developing School/Comm Resourc (3 Credits)

EDA6232 Law and Ethics in Edu Lead (3 Credits)

EDA6242 School Finance (3 Credits)

EDG6625 Curriculum and Assessment Ld. (3 Credits)

EDH6946 Practicum in Higher Ed. Admin. (3 Credits)

EDS6050 Instructional Leadership (3 Credits)

EDS6130 Human Resource Deve in Educati (3 Credits)

Major: Teacher Inquiry

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EDF6687 Foundations of Multic/Urb Ed (3 Credits)

EDG6067 Intro to Teacher Inquiry (3 Credits)

EDG6911 Action Research in Education (1-6 Credits)

EDF6205 Effective Practice for Differe

CHOOSE ONE OF THE FOLLOWING:

- EDE6225 Elementary School Curriculum and Instruction (3 credits)
- EEC6205 Curriculum and Instruction in Early Childhood Education (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 The Secondary School Curriculum (3 credits)

Major: Elementary STEM Education

Degree: Post-Baccalaureate Certificate

Prerequisites

- A valid teaching license from any state
- Must meet all UNF requirements for admission to a graduate program

Certificate Requirements (15 credits)

MAE6317 Teaching Elem Math Using Tech (3 Credits)

SCE6735 Trends and Issues Elem Sci Tch (3 Credits)

SMT6316 Creativity, Innovation in STEM (3 Credits)

IDC6015 Comp Think in Elem STEM Plus C (3 Credits)

SMT6615 Engineering in El. Class (3 Credits)

Major: Teacher Leader and Mentor Cert

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EDF 6687 Found. Multicultural/Urban Ed

EDG 6911 Action Research in Education

EDG6067 Intro to Teacher Inquiry (3 Credits)

EDG6348 Coaching and Mentoring (3 Credits)

CHOOSE ONE OF THE FOLLOWING:

- EDE6225 Elementary School Curriculum and Instruction (3 credits)
- EEC6205 Curriculum and Instruction in Early Childhood Education (3 credits)
- TSL6142 ESOL Curriculum Development (3 credits)
- ESE6215 The Secondary School Curriculum (3 credits)

Major: Graduate TESOL Certificate
Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

TSL6345 ESOL Methods (3 Credits)

TSL6440 Assessment in ESOL Settings (3 Credits)

TSL6525 Cross Culture Comm/Knowledge (3 Credits)

TSL6254 Applied Linguistics/Grammar (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

Major: TESOL-EdTech Certificate

Degree: Post-Baccalaureate Certificate

Certificate Requirements (18 credits)

TSL6254, TSL6345, and TSL6325 include required 10 hours of field experiences.

TSL6254 Applied Linguistics/Grammar (3 Credits)

TSL6345 ESOL Methods (3 Credits)

TSL6325 TESOL: Content Instruction (3 Credits)

EME5403 Technology in Education (3 Credits)

EME6046 Technology and Literacy (3 Credits)

EME6601 Instruct Design/Applications (3 Credits)

Major: International Ed. Certificate

Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EEX5053 Foundations Excep Ed and Serv (3 Credits)

SELECT One of the following:

- TSL 6525 Cross-Cultural Communication & Knowledge
- or
- TSL 6700 Issues in ESOL for School Counselors

CHOOSE One of the following:

- EDF 6607 Education in America
- or
- EDG 6687 Multicultural and Urban Foundations in Ed

SELECT_ One of the following:

- EEX 5665 Classroom Management of Learners w/Except
- or
- EDG 6407 Managing Effective Learning Environments
- or
- SDS 6931 School/Family Managing Student Behavior

REQUIRED One Study Abroad from below

- EEX 6841 Practicum: Special Education
- EDE 6946 Student Internship
- ESE 6946 Professional Internship
- TSL 6940 TESOL Practicum
- EEX 6911 Independent Study & Research
- EDG 6906 Independent Study & Research
- ESE 6910 Independent Study & Research
- SDS 6940 Practicum in School Counseling

Major: Whole Child Graduate Cert.
Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

EDE6225 Elem Sch Curr and Instr (3 Credits)

EDE6935 Special Topics (3 Credits)

EDG6070 Tchr Thinking/Decision Making (3 Credits)

EEC6205 C and I in Early Childhood Ed (3 Credits)

EEC6756 Social-Emotional Development (3 Credits)

The UNF General Education Program Requirements

General Education Quick Links

Students must complete 36 credit hours of general education curriculum. This requirement includes 15 credit hours mandated by the State of Florida and 21 credit hours of UNF-specific coursework. UNF's general education curriculum focuses on developing intellectual competencies in the areas of writing, critical thinking, quantitative reasoning and scientific method, and integrative learning.

- [General Education Program Home Page](#)
- [State Civic Literacy Requirement](#)

Part A: State of Florida mandated Curriculum areas

Choose one course from each area

1. Communication

- ENC 1101– (GW) Writing for Audience and Purpose (3 hours)
- Or, a writing course for which ENC 1101 is a direct prerequisite.

2. Humanities

- ARH 2000 – Art Appreciation (3 hours)
- HUM2001 – Introduction to Humanities (3 hours)
- *HUM 2020 – Introduction to Humanities (3 hours)
- LIT 2000 – (GW) Introduction to Literature (3 hours)
- MUL 2010 – (GW) Introduction to Music Literature
- PHI 2010 – (GW) Introduction to Philosophy (3 hours)
- THE 2000 – Theater Appreciation (3 hours)

3. Social Sciences

- **AMH 2020 – United States History since 1877 (3 hours)
- ANT 2000 – Introduction to Anthropology (3 hours)
- ECO 2013 – Principles of Macroeconomics (3 hours)
- **POS 2041 – Introduction to American Government (3 hours)
- PSY 2012 – Introduction to Psychology (3 hours)
- SYG 2000 – Introduction to Sociology (3 hours)

4. Mathematics and Statistics

- MAC 1105 – (GM) College Algebra (3 hours)
- MAC 2311 – (GM) Calculus (4 hours)
- MGF 1106 – (GM) Finite Mathematics (3 hours)
- MGF 1107 – (GM) Explorations in Mathematics (3 hours)
- STA 2014 – (GM) Elementary Statistics for Health and Social Sciences (3 hours)
- STA 2023 – (GM) Elementary Statistics for Business (3 hours)
- Or, a mathematics course for which one of the above general education core course options in mathematics is a direct prerequisite

5. Natural and Physical Sciences

- AST 2002 – Discovering Astronomy (3 hours)
- BSC 1005 – Principles of Biology (3 hours)
- BSC 1005L – Principles of Biology Lab (1 hour)
- BSC 1010C – General Biology I (4 hours)
- BSC 2085C – Human Anatomy and Physiology (4 hours)
- CHM 1020 – Discovering Chemistry (3 hours)
- CHM 2045 – General Chemistry I (3 hours)
- ESC 2000 – Earth Science (3 hours)
- *EVR X001 – Introduction to Environmental Science
- PHY 1020 – Discovering Physics: How things work (3 hours)
- PHY 2048C – Calculus-Based Physics I (4 hours)
- PHY 2053 – Algebra-Based Physics I (3 hours)
- Or, a natural science course for which one of the above general education core course options in natural science is a direct prerequisite.

**These courses are not taught by UNF but are listed as a common core course and accepted as transfer credit.*

***These courses satisfy the state mandated civic literacy requirement. Students may also fulfill the requirement through a state approved exam.*

Part B: UNF General Education Requirements

Writing Effectively (6 hours)

Students will produce writing that clearly addresses audiences and purposes; identify and use relevant and reliable source materials; and compose documents that adhere to generally accepted standards of English usage and stylistic standards of discipline-specific writing tasks.

- ENC 1143 – (GW) Writing with Evidence and Style (3 hours)

Choose one additional course from the following (at least 3 hours).

- Any ENC or CRW 2000-level course
- ENC 3202 – (GW) Professional Communications for Business (3 hours)
- ENC 3246 – (GW) Professional Communications for Engineering (3 hours)
- ENC 3250 – (GW) Professional Communications (3 hours)

*Note: Students who declared an Engineering major starting in 2019-20 may substitute a General Education course in Quantitative Reasoning and Analysis and the Scientific Method (3-4 credit hours) for ENC 1143.

Thinking Critically (6 hours)

Students will explain and apply discipline-specific concepts; examine behavioral, social, and cultural issues from various points of view; analyze, evaluate, and appreciate cultural artifacts (such as texts, music, artworks, media productions, architecture); investigate the role of technology in shaping culture; examine different cultural traditions, institutions, and political and economic systems; use different qualitative methods of inquiry, and different kinds of argumentation and evidence; reflect critically upon the human condition and experience; critically reflect on their own social positions or cultural backgrounds; investigate systems that produce social inequality or cultural difference; articulate the perspectives of others; and apply knowledge of diversity and difference to issues outside the classroom.

Choose from the following menu. Students must complete at least one course (3 hours) of Diversity and Difference. These courses are marked with a (CD).

- *AFH 3450 (CD) South Africa (3 hours)
- *AMH 3571 (CD) Introduction to African-American History (3 hours)
- *AMH 3580 (CD) American Indian History (3 hours)
- ANT 2000 (CD) Introduction to Anthropology (3 hours)
- ANT 2423 (CD) Kinship and Family (3 hours)
- *ANT 3212 (CD) Peoples & Cultures of the World (3 hours)
- *ANT 3312 (CD) North American Indians (3 hours)
- ARH 2050 Art History Survey I (3 hours)
- ARH 2051 Art History Survey II (3 hours)
- *ASH 3223 (CD) Middle East (3 hours)
- *ASH 3440 (CD) Japanese Civilization (3 hours)
- ASN 2003 (CD) Introduction to Asia (3 hours)
- CCJ 2002 Crime in America (3 hours)
- *ECO 3701 (CD) Contemporary International Economic (3 hours)
- EDF 2085 (CD) Introduction to Diversity for Educators (3 hours)
- EEX 3005 (CD) Introduction to Disabilities (3 hours)
- ENG 3613 (CD) Topics in Disability Studies (3 hours)
- *EUH 3580 (CD) Russian Thought & Culture (3 hours)
- FIL 2000 Film Appreciation (3 hours)
- *FIL 4848 (CD) World Cinema Across Cultures (3 hours)
- GEB 2956 (CD) Study Abroad in Business (1-9 hours)
- GEO 2420 (CD) Cultural Geography (3 hours)
- HSC 2100 Personal and Community Health (3 hours)
- *LAH 3300 (CD) Latin America (3 hours)
- LDR 3003 Introduction to Leadership (3 hours)
- MMC 2701 (CD) Communicating Across Cultures (3 hours)
- MUH 2012 Enjoyment of Music (3 hours)
- MUH 2017 The History and Appreciation of Rock (3 hours)
- MUH 2018 Evolution of Jazz (3 hours)
- **MUH 2501 (CD) World Music (3 hours)
- MUT 1011 Music Fundamentals (3 hours)
- MUT 1111 Theory I (3 hours)
- PHI 2100 (GW) Art of Reasoning (3 hours)
- PHI 2630 (GW) Ethical Issues (3 hours)
- PUP 2312 (CD) Race, Gender & Politics (3 hours)
- REL 2300 (CD) Comparative Religion (3 hours)
- *REL 3102 (CD) Religion as Culture (3 hours)
- *SOP 3742 (CD) Psychology of Women (3 hours)
- *SYD 3700 (CD) Racial and Ethnic Minorities (3 hours)

- *SYD 3800 (CD) Gender and Society (3 hours)
- SYG 2013 (CD) Sex, Race and Class (3 hours)
- WOH 1012 (GW) World History I (3 hours)
- WOH 1022 (GW) World History II (3 hours)

* Freshman and sophomore students should consult with their advisor or the instructor regarding whether 3000 and 4000 level courses are appropriate for them.

** MUH 2501 World Music is an approved diversity and difference (CD) course for Music and Music Education majors only.

Reasoning and Analyzing Quantitatively and/or Understanding the Scientific Method (4-6 hours)

Students will determine appropriate mathematical and computational models and methods in problem solving; understand mathematical, statistical, and computational concepts; apply mathematical and computational models and methods in problem solving; critically examine and evaluate scientific observation, hypothesis, and model construction; understand fundamental concepts, principles, and processes about the natural world; and use the scientific method to explain the natural world.

Choose additional courses from the common core lists (group 4 or group 5) or from the additional courses listed below to reach 12 credits total for Mathematics and Sciences areas. One credit must be a lab component.

- MGF 1113 – (GM) Math for Teachers I (3 hours)
- MAC 1101 – (GM) Intensive College Algebra (4 hours)
- MAC 1101C – (GM) Intensive College Algebra with Recitation (4 hours)
- MAC 1105C – (GM) College Algebra with Recitation (3 hours)
- MAC 2233 – (GM) Calculus for Business (3 hours)
- MAC 2312 – (GM) Calculus II (4 hours)
- AST 2002L – Discovering Astronomy Lab (1 hour)
- BSC 1930 – Current Applications in Biology (2 hours)
- CHM 1025 – Introduction to Chemistry (2 hours)

- CHM 1025L – Introduction to Chemistry Lab (1 hour)
- CHM 2045L – General Chemistry I Laboratory (1 hour)
- HUN 1001 – Introduction to Nutrition Science (2 hours)
- HUN 2201 – Basic Principles of Human Nutrition (3 hours)
- IDC 2000 – The Beauty and Joy of Computing (3 hours)
- PHI 2101 – Introduction to Logic (3 hours)
- PHY 1020L – Discovering Physics Laboratory: How things work (1 hour)
- PHY 1028 – Introduction to Physics (2 hours)
- PHY 1028L – Introduction to Physics Lab (1 hour)
- PHY 2053L – Algebra-Based Physics I Lab (1 hour)
- PHY 2054 – Algebra-Based Physics II (3 hours)
- PHY 2054L – Algebra-Based Physics II Lab (1 hour)

Experiential or Integrative Learning (3 hours)

Students may choose an *approved* Experiential Learning or Integrative Learning course (such as a Study Abroad, Internship, or Community-Based Learning course), OR one additional course from the menu of options for Writing Effectively, Thinking Critically, and Reasoning and Analyzing Quantitatively and/or Understanding the Scientific Method.

Other Important Information

A minimum grade of C is required for all general education requirements.

An Associate in Arts (A.A.) degree from a Florida public university or state/community college satisfies the general education requirements at UNF.

Transcripts of applicants who have not earned an A.A. degree from a Florida public university, state, or community college will be reviewed individually to determine whether sufficient work has been completed in the above General Education requirements. Students must satisfy the same general education requirements as a first-time in-college student. Refer to the general education requirements above for UNF courses that will satisfy General Education.

[The State of Florida Foreign Language Requirement](#) must be met before graduation from UNF.

[The College-Level Communications and Computation Skills \(Florida Gordon Rule\)](#) requirement must be met before graduation from UNF.

All teacher education majors must satisfy the General Knowledge (GK) test requirement before admission to the College of Education and Human Services.

State Civic Literacy Requirement

Pursuant to Florida Board of Governors Regulation [8.006](#), baccalaureate degree-seeking students initially entering a Florida state university fall semester 2018 and thereafter must demonstrate competency in civic literacy through one of the following options prior to graduation:

- Successfully passing either:
AMH 2020 United States History Since 1877, or
POS 2041 Introduction to American Government
(Equivalent POS X041 or AMH X020 courses may substitute)
- Achieving the standard score on one of the following assessments:
Exam based on the U.S. Citizenship and Immigration Services Naturalization Test with supplemental questions (score of 60)
Advanced Placement Government and Politics: United States (score of 3)
Advanced Placement United States History (score of 4)
CLEP American Government (score of 50)

General Education Quick Links

- [General Education Program Home Page](#)
- [Program Requirements \(Competencies and Outcomes Course Options\)](#)



Placement and Retroactive Credit in French, Spanish, and Chinese

Placement

Prior to enrolling at UNF, students who have studied French and Spanish in high school must take the free online French and Spanish placement tests. Students will receive advisement as to which course level to enroll based on their placement test score.

Heritage or native speakers of French or Spanish (who may not have studied the language in high school) must take the online placement test prior to enrolling in French or Spanish courses. In order to be placed appropriately, native speakers of Spanish or French must also meet with the Chair of the Department of Languages, Literatures and Cultures.

All students who have studied the Chinese language at the high school level, or who are heritage speakers, must meet with the Chair of the Department of Languages, Literatures and Cultures prior to enrollment. The Chair will refer students to the Chinese instructor in order to ascertain the level at which students must begin their language studies.

Retroactive Credit

Students who enroll in French, Spanish or Chinese at the University of North Florida will be advised that they are eligible for up to six credit hours of retroactive credit as determined by placement and satisfactory completion of specific language courses.

- If a student places at the intermediate level, he or she may receive a maximum of four hours of retroactive credit for Beginning Language II pending completion of the intermediate

sequence (Intermediate Language I and II) with grades of C or above in both courses.

- If a student places at the Intermediate Language II level, he or she is eligible for three hours of retroactive credit (equivalent to Intermediate Language I) pending completion of Intermediate Language II with a grade of C or above.
- If a student places at the 3000-level, he or she is eligible for a maximum of six hours of retroactive credit. The student will receive three intermediate-level credit hours for completing a 3000-level Chinese, French or Spanish course with a grade of C or above, and an additional three credit hours for completing a second 3000-level course with a grade of C or above.

Students who wish to receive the retroactive credit must apply for the credits in the Department of Languages, Literatures and Cultures after their grades are assigned and recorded in the relevant courses. The retroactive credits will be added to the student's transcript by the Office of the Registrar with a grade of P (Passing) assigned. These credits will not be computed into the GPA, but they will count toward degree requirements as appropriate.

Students will pay a \$20.00 fee per 3-4 credit hour course for which retroactive credit has been awarded.

View more information about [Placement and Retroactive Credit](#) in French, Spanish and Chinese.



All Students

[Apply Now](#)

The University of North Florida has grown into a popular destination for many aspiring students, and for good reason. Built on a strong foundation of academic excellence, the University offers wonderful experiences for a diverse and academically talented student body.

The information and procedures described in this section of the catalog pertain to all applicants for admission, regardless of student type or level. Use the links to the left to learn more about the procedures and requirements for admission to the University of North Florida.



Military Withdrawal

Students are entitled to a leave of absence or Complete Withdrawal to report for active duty, to engage in full-time National Guard duty, or to attend an examination to determine their fitness for these kinds of duty. Spouses and students of affected military personnel are granted the same consideration.

Military Withdrawal can be done through the end of the term within which the student is enrolled. To request a Military Withdrawal, the student must provide a signed statement requesting withdrawal due to military service along with a copy of the affected military personnel's official orders or other official military documentation to One-Stop Student Services for review in the Office of Records and Registration.

Upon approval, a grade of WS-withdrawal for military service will be recorded on the transcript for all courses in which the student was enrolled unless a grade of I (Incomplete) was issued by an instructor or other documented arrangements with the instructor(s) have been made. Once the WS is assigned, tuition will be refunded for those courses. grade of WD do not count toward the withdrawal limitation policy.

View the University's current [official policy](#).



Academic Integrity

The Free and Open Pursuit of Knowledge

The University of North Florida encourages the free and open pursuit of knowledge; we consider this to be a fundamental principle and strength of a democratic people. To this end, the University of North Florida expects its students, its faculty, its administrators, and its staff to uphold the highest standards of academic integrity. The University of North Florida expects all members of the University community to both honor and protect one another's individual and collective rights.

Course Content

A course may deal with subjects, issues, or perspectives to which some might object. Such objections will not exempt a student from course requirements. The University of North Florida stands behind the right of its instructors to include material that is challenging in any number of ways. The faculty urges students to discuss any concerns they might have concerning the content of their courses with their instructors.

Claiming One's Own Work

Each student is honor-bound to submit under his or her name or signature only his or her own work; to fully acknowledge his or her use of any information, ideas, or other matter belonging to someone else, and to properly document the source in question; and to offer for credit only that work which he or she has completed in relation to the current course.

Violations of Academic Integrity

The University of North Florida Academic Misconduct Policy identifies several types of violations; these include but are not limited

to: cheating; fabricating and falsifying information or citations; submitting the same work for credit in more than one course; plagiarizing; providing another student with access to one's own work to submit under this person's name or signature; destroying, stealing or making inaccessible library or other academic resource material; and helping or attempting to help another person commit an act of academic dishonesty. The University of North Florida authorizes any instructor who finds evidence of cheating, plagiarism or other wrongful behavior that violates the University of North Florida Academic Integrity Code to take appropriate action. Possible action includes, but is not limited to, failing the student on the work in question, failing the student for the course, notifying the appropriate academic dean or Vice President for Academic and Student Affairs and requesting additional action be taken.

The consequences of a breach of academic integrity may result in an unforgiveable F, which cannot be changed regardless of withdrawal status.

View the [Student Handbook](#).



Alcohol and Other Drugs

The University of North Florida expressly prohibits the following by students and employees in or on property owned and controlled by the University of North Florida or off campus when a student or employee is acting as a representative of the University:

- A. Unlawful manufacture, alteration, distribution, dispensing, possession or use of any illicit drug
- B. Unlawful possession or use of a prescription drug regulated under the provisions of Chapter 893, Florida Statutes (controlled substances and “designer drugs”) unless dispensed and used pursuant to prescription or otherwise authorized by law. Manufacture, alteration, delivery, distribution, dispensing and/or sale of such substances are prohibited unless authorized by law
- C. Unlawful purchase, possession, distribution and/or use of alcohol

The use of alcoholic beverages and/or use, possession, manufacture, sale or attempted sale of any illicit drug or prescribed drug by members of the University community is at all times subject to federal, state and county laws, ordinances and statutes governing these substances.

The unlawful manufacture, distribution, dispensing, possession or use of an illicit drug, or prescription drug regulated under the provisions of [Chapter 893, Florida Statutes](#), or the unlawful use or possession of alcohol is wrong, harmful and prohibited in and on UNF owned and controlled property or as part of any of its activities. No employee or student is to report to work, class or any University function while under the influence of alcohol or other drugs. Violation of this policy will subject the individual not only to University sanctions but also to potential criminal prosecution by the

appropriate authorities.

Additionally, a violation of this policy may result in a referral for evaluation and possible treatment for a substance related disorder, or referral for prosecution consistent with local, state and federal law.

Disciplinary action against an employee or student by the University does not preclude the possibility of criminal charges against that individual. The filing of criminal charges similarly does not preclude action by the University.

Penalties

The penalties imposed for violating this policy range from written warnings with probationary status to expulsion from enrollment and termination of employment. The choice of sanction will depend on the individual circumstances of the case, including any extenuating circumstances. Specific penalties for faculty, administration, staff, and students can be found within the areas responsible for each constituency:

For faculty: The Office of Academic Affairs

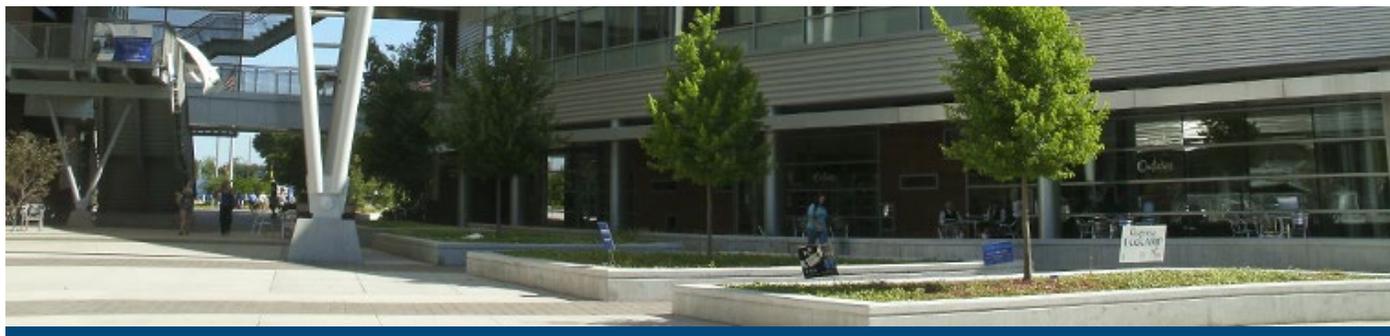
For administrators and staff: The Office of Human Resources

For students: The Office of the Vice President for Student and International Affairs / Student Conduct Office

Suspension Pending Final Disposition

The University reserves the right to suspend a faculty member, administrator, staff or student between the time of the initial charges and the impending hearing. This suspension action will be subject to the applicable personnel rules and will be invoked only if in the opinion of campus administrators the continued presence of this individual poses a clear and immediate danger to him- or herself and/or other members of the University community. Under such circumstances, a formal hearing must be held within a requisite number of school/working days, determined by the areas responsible for each constituency, to lift the suspension or impose more severe sanctions.

View the University's current [official policy](#).



Computer and Internet Access

All students are required to have access to a personal computer with Internet access. Every currently enrolled student has been provided with an email account at no cost to the student. Email is the official method of communication for University correspondence. These University-provided email addresses are the only officially recognized email addresses for all currently enrolled students.

UNF email accounts should be checked regularly.

Students who have external (non-University-provided) email addresses may elect to forward email sent to their University-provided email address to another email address of their choice; however, the responsibility for establishing and maintaining the forwarding mechanism rests with the student and delivery to non-UNF email addresses cannot be guaranteed.

View the University's current [official policy](#).



Custodian of Records

Different types of student records are kept by various offices at the University of North Florida as indicated below. The right to inspect and review records, in accordance with University policy and state and federal regulations, may be exercised by presenting a written request to the appropriate custodian:

- Athletes: [Athletic Office](#)
- Educational records: [University Registrar](#)
- Financial aid records: [Enrollment Services](#)
- Nonacademic counseling records: [Academic and Student Affairs](#)
- Student disciplinary: [Academic and Student Affairs](#)
- Student health/medical: [Office of Student Health Services](#)
- Student placement records: [Enrollment Services](#)
- Student services: [Academic and Student Affairs](#)

Graduate Academic Learning Compact

This policy identifies the minimum content of Graduate Academic Learning Compacts (GALC) at the University of North Florida. It articulates a sequence of steps that must be followed to ensure that GALCs reflect essential learning outcomes, that they are kept up to date, that they are assessed on a regular, recurring basis, and that the results of their assessment inform continuous program improvement. The purpose is to ensure clear communication to students of graduate program learning outcomes and their means of assessment, and to ensure continuous review and improvement of program quality.

Faculty teaching in the major will use the results of the assessments identified in the GALC during their respective program reviews in determining program effectiveness and ongoing improvement. The results from the GALCs will also be used in required reporting to UNF's accreditor, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), which defines minimal standards for program assessment to which graduate programs must adhere to maintain UNF's accreditation.

Each graduate academic major offered by the University of North Florida and listed on the State University System Academic Degree Inventory will have a published Graduate Academic Learning Compact (GALC) which can be viewed by students and other interested parties. This publicly available GALC will clearly articulate:

1. a program mission statement that includes a description of the kinds of learning experiences that students will encounter in the program, of faculty scholarly activities, and of the program's interaction with external entities.
2. learning outcomes for program graduates. Outcomes must address at least the following two categories, which align with SACSCOC accreditation standards: knowledge of the literature of the discipline; and ability to engage in independent research or professional practice. An additional two or three categories should be considered in areas such as oral and/or written communication, critical thinking, ethical conduct, and others that are discipline-specific and/or required by professional accrediting bodies.

3. a description of the types of assessments that students might encounter in the program and that faculty will use to judge how student learning reflects the expected outcomes, and with a clear indication of the alignment between the types of assessments and the categories of learning outcome(s) for which they provide evidence.

In addition, the internally available portion of the GALC will contain:

1. a program mission statement;
2. a curriculum map that demonstrates how program instructional content supports student attainment of the identified outcomes.
3. a plan for a four year cycle of assessment that includes assessment and continuous improvement of each outcome based on the results of the most recent assessment.

It is the responsibility of the academic departments to ensure that each GALC is kept up-to-date and to create a GALC for each new graduate program proposal.

View the University's official policy on [Graduate Academic Learning Compact GALC](#)

Graduate Faculty Membership and Review

Graduate Faculty

Graduate faculty are those faculty approved by the Dean of the Graduate School to teach graduate courses and/or to offer direct assistance to graduate students in their graduate programs. Teaching graduate courses does not automatically confer graduate faculty status.

Two categories of graduate faculty are recognized: Research Graduate Faculty and Teaching Graduate Faculty. Faculty who are approved as Research Graduate Faculty are permitted to teach graduate courses, serve on graduate student exam/thesis/dissertation committees, serve as Graduate Program Directors, and participate on the Graduate Council. Approved Teaching Graduate Faculty are permitted to teach specified clinical/professional graduate courses. They can only serve on student exam/thesis/dissertation committees as an additional member beyond the minimum required membership established by the graduate program.

Eligibility

The Graduate School determines qualifications for both Research Graduate Faculty and Teaching Graduate Faculty based on eligibility criteria detailed below and monitors each category's appointments.

Research Graduate Faculty

All tenured or tenure-earning faculty who possess the earned doctorate/terminal degree in the teaching discipline or a related discipline are eligible to become members of the Research Graduate Faculty. Academic departments are required to provide evidence of a Research Graduate Faculty candidate's significant and continuing scholarship and/or creative activity.

Teaching Graduate Faculty

Faculty on continuing lines (e.g., instructors, lecturers, clinical faculty) who possess the earned doctorate/terminal degree in

the teaching discipline, or equivalent education and/or experience, are eligible to become members of the Teaching Graduate Faculty. Academic departments are required to provide evidence of a Teaching Graduate Faculty candidate's continuing scholarship, creative activity, and/or clinical practice, as appropriate to the discipline and teaching assignments.

Adjuncts and visiting faculty are ineligible for graduate faculty status. A Request for Non-Graduate Faculty to Teach Graduate Courses is required for requests to assign adjuncts or visiting faculty to a graduate course.

Appointment

The initial appointment of faculty to either graduate faculty category, whether for current faculty new to graduate programs or faculty new to UNF, may be recommended to the Dean of the Graduate School at any time. Academic departments with graduate programs will recommend qualified faculty who are, or will be, actively involved with teaching graduate courses and/or offering direct assistance to graduate students for appointment to either the Research or Teaching Graduate Faculty. The Dean of the College will review each such nomination and add a recommendation. (The College Dean has the right not to forward names she/he does not judge to be appropriate.) The nomination will then be forwarded to the Dean of the Graduate School, with accompanying documentation of eligibility (e.g., curriculum vitae, faculty credentialing matrix), for final review and approval.

Renewal of Graduate Faculty Membership Status

A member of the Research Graduate Faculty who is a full professor is reviewed every ten years, beginning from the time she/he was promoted to professor. All other members of the Research Graduate Faculty are reviewed every five years. A member of the Teaching Graduate Faculty is reviewed every three years.

If the case as provided by the candidate demonstrates that the relevant criteria are met, as judged and endorsed by the College

Dean, the Dean of the Graduate School will consider the graduate faculty member to have achieved renewal.

View the University's official policy on [Graduate Faculty Membership and Review](#).

Graduate Program Independent Learning Policy

All graduate and post-baccalaureate professional degree programs at the University of North Florida include opportunities for students to participate in independent scholarly/research engagement and/or appropriate professional preparation experiences. These opportunities may be offered through traditional thesis or dissertation experiences, through culminating-experience projects, or through assignments embedded in particular courses in a program.

View the University's official policy on [Graduate Program Independent Learning Policy](#).



Rights of Students to Intellectual Property

Students who utilize University support in producing intellectual property, other than a directed work, have the right to share in any proceeds derived from the intellectual property in accordance with the distribution procedure set forth in the University's policy on patents, copyrights, trademarks and other intellectual property. However, it is not the intent of the University to assert rights to works for which the intended purpose is to disseminate the results of academic research or scholarly study. Students who develop intellectual property utilizing entirely their own independent efforts, as defined by University policy, are not required to share with the University the intellectual property rights derived from their independent efforts.

View the University's current [official policy](#).



Release of Student Information (FERPA)

Upon written request, students may review their academic records. This review is subject to guidelines outlined by University policy and the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended.

1. Education records or personally identifiable information contained in student records shall be released or open for inspection only to the student or parents of dependent students as defined in Section 152 of the Internal Revenue Code of 1954. "Personally Identifiable" means that the data or information includes the name of the student, the student's parent(s), or other family member(s), the address of the student, a personal identifier such as the student's social security number or a University issued student ID number, a list of personal characteristics or other information which would make the student's identity easily traceable.

"Education records" are those records, which are maintained by the University and employees or agents of the University which contain educational information directly related to a student. "Record" includes any information or data recorded in any medium, including, but not limited to, scanned documents, handwriting, print, tapes, film, microfilm and microfiche. "Agents" are any individuals who, pursuant to express or implied authorization, represent and act for the University.

The custodian of the records shall require the student, parent(s), or legal guardian(s) of the student when applicable, requesting access to or release of the records to present proper identification such as a valid driver's license or

passport. The request must be in writing and signed by the person seeking access or release. A copy of the request for access or release shall be retained in the student's file. The custodian shall have 45 days in which to comply with the request. When the record includes information on more than one student, the custodian shall release or permit access to only that part of the record which relates to the student who is the subject of the request. Students requesting the release of personally identifiable information contained in their records to others must provide the custodian of such records with a signed, written request specifying the information to be released, the purpose(s) for such release, and the person or organization to whom such information shall be released. The custodian of the records shall retain a copy of all requests for access and releases.

2. "Student" is defined as an individual who is or has registered for an on- or off-campus program leading to the award of academic credit from the University. While this definition applies specifically to credit students, the University's policy is to exercise good judgment in protecting all records of individuals participating in University-sponsored programs.
3. The University may disclose identifiable information from student educational records without student consent to the following:
 - Officials and faculty of the University or other state of Florida school official(s) who have a legitimate educational interest in the information;
 - Officials of other schools in which the student seeks to enroll;
 - Federal, state, local and independent agencies and representatives as authorized by federal and state law who have a legitimate educational interest in the information;
 - Officials presenting a judicial order or lawfully issued subpoena;
 - Appropriate parties in a health or safety emergency;
 - Parent(s) or legal guardian(s) of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954, after presenting proof of student dependency and in accordance with the USA Patriot Act of 2001.
 - Additionally, because of the University's commitment to continuous improvement of educational services, One-Stop Student Services will furnish copies of transcripts to the institutions previously attended by the student for use

in ongoing programs of research and improvement at these institutions. Grade information will also be made available for studies conducted to improve academic quality within public higher education in Florida. These policies are sanctioned under the provisions of the Family Educational Rights and Privacy Act of 1974, as amended.

4. Right to Waive Access to Letters of Recommendation: students have the right to waive their access to letters of recommendation and other confidential statements. Such waivers are not required as a condition of admission, the receipt of financial aid, or receipt of any other benefits.

Right to Request Copies and Copy Fees

The University reserves the right to deny a request for copies of educational records made by a student or eligible parent when there is a financial obligation to the University which has not been satisfied and when there is an unresolved disciplinary action pending against the student.

The University will charge the following fees for furnishing copies of student records and reports or any material included therein:

1. UNF transcripts: There is an \$8 charge per transcript (\$10 charge for transcripts on-demand). Transcripts from previous educational institutions or standardized test scores must be requested from that institution or testing agency. Coursework from other institutions does not appear on the UNF transcript.
2. Copies of all other educational records: 15 cents per page for copying plus any administrative costs incurred for search, retrieval and mailing. (*Note: copies cannot be provided on-demand*)

Requests for copies of educational records should be submitted in writing to One-Stop Student Services for review by the Office of Records and Registration. This request should include the specific education records being requested and the purpose of the disclosure. The student record custodian shall have 45 days from the date of receipt to comply with the request. Other student record information regarding health, law enforcement, finances, pre-attendance, employment, housing, disciplinary, personal non-academic counseling and international student records should be made directly to the appropriate offices. Picture identification is required when picking up copies of information related to student

records. If someone other than the student is picking up this information prior written authorization from the student and valid photo identification is required.

Right to Explanation and Interpretation

1. Current and former students are entitled to a response from the University to reasonable requests for explanation and interpretation of their records and to have an opportunity for a hearing to challenge the contents of their educational records in order to ensure that the records are not inaccurate, misleading or otherwise in violation of the privacy or other rights of the student, and to provide an opportunity for the correction or deletion of any such inaccurate, misleading or otherwise inappropriate data contained, and to insert into such records a written explanation by the student regarding the content of such records. The University will attempt to settle a dispute with the student regarding the content of the student's educational records through informal meetings with the student.
2. Any challenge to a student's record that cannot be resolved in the office maintaining the record shall be processed through the student grievance procedure. Student grievance procedures may be obtained from the Office of the Vice President for Academic and Student Affairs or One-Stop Student Services.
3. If, as a result of a hearing, the University decides that the information is not accurate, is misleading or is otherwise in violation of the privacy of other rights of the student, the University shall inform the student of the right to place in the educational record of the student a statement commenting upon the information in the educational record and/or setting forth any reasons for disagreeing with the decision of the institution. (Specific authority 228.093, 240.227(1), 240.237 Florida Statute. Law implemented 228.093, 240.237 Florida Statute).

Directory Information

In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended, the University of North Florida defines public or directory information as follows:

"Name, mailing address, telephone number, dates of attendance,

admitted college/majors, degree(s) awarded, status (full- or part-time), classification (freshman, sophomore, etc.), participation in officially recognized activities and sports, Honors, weight/height of athletes and student images, including photographs, videos or any other media containing a student's image or likeness."

Directory information, as defined by the University of North Florida, may be released at the University's discretion, without the student's expressed consent unless a request for non-disclosure is submitted by the student through myWings. Non-disclosure shall remain in effect until the student removes the non-disclosure option from their account in myWings or gives written request to remove said non-disclosure to One-Stop Student Services. Instructions for accessing the online Non-Disclosure Request can be found on the One-Stop Student Services [website](#).

The University will honor a student's request to not release directory information but cannot assume responsibility for contacting the student for subsequent permission to release this information. If a student completed a non-disclosure request, prior to releasing requested information, the University requires that the individual or organization requesting the information supply written permission from the student confirming that the requested information can be released. Regardless of the effect on the student, the University assumes no liability for honoring a student's instructions that such information be withheld.

Students should be aware that they cannot hold the University of North Florida liable for the consequences of honoring their instructions to withhold directory information.

View the University's current [official policy](#).



Right of Appeal

All members of the University community are entitled to fair and equitable procedures.

Appeals concerning UNF Academic policies

Any student who believes that an Academic policy imposes an undue hardship may petition that policy by submitting a Student Petition of Academic Policy (SPAP). Supporting documentation is required before a petition will be reviewed. Students will be notified via email of the results of a submitted petition. Submission of a petition does not guarantee approval. [Learn more about Academic policies and regulations that may not be petitioned.](#)

Appeals concerning courses

Students who wish to appeal a course grade (except for the grade of “Incomplete”) must do so within 90 days of completing the course in question. [Learn more about appeals.](#)

Appeals concerning civil rights

Members of the community who believe that they have not been accorded rights under the Civil Rights Act of 1964 or Title IX of the Higher Education Amendments of 1972 should contact the Director of Equal Opportunity Programs.

View the University's current [official policy](#) concerning grade appeals.



Sexual Misconduct

The University of North Florida is committed to providing all students, faculty, staff, vendors, visitors or others, an environment where they can work, study and interact with each other in a safe and dignified learning community free from any form of sexual misconduct. This regulation provides guidance regarding conduct that constitutes sexual misconduct, reporting responsibilities regarding such conduct and information on complaint procedures to address alleged violations of this regulation.

For purposes of this regulation, "sexual misconduct" includes sexual exploitation, sexual harassment, non-consensual sexual contact, non-consensual sexual intercourse, dating violence, domestic violence and stalking, each as more fully defined below. Sexual misconduct violates University policy and federal civil rights law and may also be subject to criminal prosecution. The University is committed to fostering an environment that promotes prompt reporting of all types of sexual misconduct and timely and fair resolution of sexual misconduct complaints.

When addressing complaints against faculty, staff, contractors or visitors, determining whether alleged conduct constitutes sexual misconduct or retaliation in violation of this regulation, the conduct will be evaluated from the perspective of a reasonable person in the alleged victim's position considering the totality of the circumstances, such as the nature of the alleged conduct and the context in which the alleged conduct occurred. In an academic setting, consideration will be given to free speech and academic freedom. For example, expression that is intended to facilitate discourse or debate in a classroom setting or open debate forum may be considered appropriate, but similar expression in the workplace may be unwelcome and inappropriate in the context of

communications between employees. Those found to have violated this prohibition against retaliation will be subject to disciplinary action up to and including suspension or expulsion for students and termination for employees.

Any member of the University community who believes that he or she has been subjected to sexual harassment; any member of the community who believes that he or she has been subjected to retaliation related to an allegation of sexual misconduct; or any member of the community who believes that others have been subjected to sexual harassment in violation of this regulation, may seek guidance, counseling or file a complaint in accordance with this regulation by contacting: Director, Office of Equal Opportunity and Inclusion, University of North Florida, J. J. Daniel Hall, Room 1201, 1 UNF Drive, Jacksonville, Florida 32224-2645, (904) 620-2507 Voice and TDD and (904) 620-1004 fax or via 711 Florida Relay for persons who are deaf or hard of hearing or those with speech impairments and/or limitations.

View the University's current [official policy](#).



Student Attendance

Registered students not attending the first day of a class may be dropped from the course(s) at the discretion of the instructor. Please note: if a student no longer intends to remain in a course, it is the responsibility of the student to ensure that the course is dropped by the deadline stated in the Academic Calendar. Students who are unable to attend the first class meeting due to circumstances beyond their control must notify the instructor of the course prior to the first class meeting. Students who add courses or late-register during the add/drop period will not be dropped for non-attendance by the instructor during this period.

Students are expected to attend all of their scheduled classes in order to satisfy all academic objectives as outlined by the instructor. Instructors may establish specific attendance requirements. These attendance requirements must be published in the course syllabus and disseminated at the first class meeting. It is the student's responsibility to give the instructor notice prior to any anticipated absence, and within a reasonable amount of time after an unanticipated absence. The instructor has the right to deal with individual cases of non-attendance and to determine the effect of absences upon grades.

In the event of absences due to participation in a University-sponsored activity, instructors must allow students the opportunity to make up work due during such absences. However, it is the student's responsibility to make prior arrangements with the instructor to hand-in written materials (e.g., assignments, papers and projects) and to reschedule any activities that would normally occur during class (e.g., quizzes, tests, presentations and performances).

Instructors use a variety of means to determine the extent to which a

student has met the objectives of a course. Students absent due to participation in University-sponsored activities can expect their course grades to be determined based on their performance on graded material and activities. There should not be any reduction in a student's final course grade simply because they were absent due to a University-sponsored activity.

For the purposes of this process, a University-sponsored activity means any activity on or off campus which is initiated, aided, authorized or supervised by the University, such as academic field/study trips, TLO activities, intercollegiate athletic events (competition and travel related to competition; does not include practice), official meetings of student government leaders, University programming and international travel. In case of a disagreement about whether an activity constitutes a University-sponsored activity, the Provost shall make the determination.

Students who have been administratively dropped from a class roster for failure to pay fees or for any other reason may continue attendance until the reinstatement deadline, as published in the [Academic Calendar](#).

Only those students who are enrolled in classes are permitted to attend class beyond the reinstatement period. Special guests may be permitted to attend specific class sessions with the permission of the instructor and in compliance with fire code capacity and other safety protocols.

Non-attendance does not guarantee a student will be dropped from a course. The student is fee liable for all courses in which they are registered unless the student initiates a drop during the add/drop period as published in the Academic Calendar.



Student Classification

Undergraduate students are classified as follows:

Year	Earned Credits
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Freshman:	0 - 29
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Sophomore	30 - 59
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Junior	60 - 89
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Senior	90 - 120 (including at least 30 upper-level credit hours)
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University Classification

Students entering the University of North Florida as freshmen will not be classified within a department or division but will be assigned to an academic advisor in the First Year Advising Office (formerly ACE). Students must declare a major after they have completed 48 credit hours.

After completion of 60 credit hours, students must be admitted to an upper-level college and must establish an official program of study. When junior-level students are admitted to UNF, they enter a department within one of its academic units: the Brooks College of Health; the Coggin College of Business; the College of Arts and Sciences; the College of Computing, Engineering and Construction; or the College of Education and Human Services. Association with an academic unit effectively classifies the student, facilitates advisement and career planning and enables the development of an appropriate program of study. This program of study may be amended to accommodate waivers and/or substitutions of courses, as well as additional courses. The programs in this catalog show the generally accepted courses necessary for completion of basic requirements for each degree program.

If your academic objectives change, please visit your advisor regarding a possible change of major.

Upon recommendation of the faculty and the chair of a department, the dean may deny a student's continued registration in the department.



First-Time-in-College Admission Requirements

Apply Now

Beginning Freshman

The University is interested in applicants who have demonstrated strong academic ability and who will bring diverse interests and talents to the campus. All prospective freshmen are required to submit an official copy of their high school transcript and official SAT/ACT score reports. Redesigned Scholastic Assessment Test (rSAT) and American College Test (ACT) scores reflected on the high school record are considered official. We accept applications on a rolling basis, but we recommend submitting your materials as early as the summer prior to your senior year for the best access to financial aid and housing options.

Application Requirements

Please submit the following materials to the Office of Admissions by the [deadline](#) in order to be considered for admission to UNF.

- Admission application
- \$30 Application fee
- Official high school transcripts
- Official transcripts from any credit-earning mechanism
- SAT and/or ACT score reports

All transcripts, test scores and documentation of credit-earning mechanisms must be official, arriving to the Office of Admissions directly from the originating school or testing agency. Official documents are those received directly from the awarding institution or delivered in their original, sealed envelope. All application materials must be received by the Office of Admissions by close-of-business on the deadline date in order to be considered complete.

Admission application

Incoming freshmen may apply for entrance into the spring (January), summer (June), or fall (August) semesters. Students may apply for admission up to one year in advance of their intended enrollment term. Students are required to submit an [online application](#). UNF also participates with the Common Application.

Application fee

A \$30 non-refundable application fee is required for any application for admission. Acceptable payment methods include MasterCard, Discover, Visa or American Express at the time the online application is submitted or personal check/money order made payable to UNF. Students should inquire with their high school guidance office to see if they are eligible for a college application fee waiver.

High school transcripts

It is the student's responsibility to ensure that official high school transcripts have been received by the Office of Admissions by the deadline. Florida public schools should send transcripts electronically, while private and non-Florida schools may mail transcripts to the Office of Admissions.

The Office of Admissions will recalculate a grade point average (GPA) based on the following eighteen academic credits in college preparatory courses. Additional weight is given to grades of "C" or higher earned in honors, Dual Enrollment, Advanced Placement, IB, or AICE courses. While students may not have completed all the required courses at the time an application is submitted, they are required to complete them prior to high school graduation and entrance into UNF.

- Four years of English
- Four years of math (Algebra 1 or higher)
- Three years of natural science
- Three years of social science
- Two successive years of the same foreign language
- Two years of academic electives

Students are required to submit final, official transcripts reflecting graduation from high school no later than 30 days after the start of the term to which they have been admitted.

Transcripts from credit-earning mechanisms

If coursework has been completed through any [credit-earning mechanism](#) at the time of application then students are required to submit official transcripts/score reports to complete their applications before the appropriate deadline date. Incomplete applications will not be processed. Credit-earning mechanisms include, but are not limited to [International Baccalaureate \(IB\)](#), [Advanced Placement \(AP\)](#), [Advanced International Certificate of Education \(AICE\)](#), [Dual Enrollment](#), [College Level Exam Program \(CLEP\)](#), or [Defense Activity for Non-Traditional Education \(DANTES\)](#), or military SMART/Joint transcripts.

SAT and/or ACT score reports

UNF requires all applicants for freshman admission to submit either SAT or ACT scores.

To have SAT or ACT scores sent to the University of North Florida, contact College Board at www.collegeboard.org or (866) 630-9305.

To have ACT scores sent contact American College Testing Program at www.act.org or (319) 337-1313.

UNF's SAT code is 5490 and ACT code is 0711.

The first administration of the Redesigned SAT was March 2016. UNF will accept scores for both versions of the SAT exam for all future terms: those exams taken prior to March 2016 and those taken after that date. We will continue to use your highest subscore from all tests (also known as your superscore) for both admission and scholarship decisions. We will only superscore on the same version of the exam, we will not mix scores from the two versions.

Beginning Spring 2017, UNF will not require the essay section of the SAT or the ACT for either admission or scholarship decisions.

Home School and G.E.D. Students

Home school students must submit transcripts indicating course title, semester, grade, and awarded credit for all academic courses. Official SAT/ACT scores and official transcripts from accelerated mechanisms are also required.

Students who received a G.E.D. must submit evidence of passing scores on the subtests of the G.E.D. exams and a G.E.D. diploma, in addition to official SAT or ACT score reports.

State Academic Standards

The Florida Board of Governors has updated the minimum admission standards for freshman applicants to all Florida public state universities listed in [BOG Regulation 6.002](#). Any student who meets the minimum admission standards in BOG Regulation 6.002 are encouraged to apply. Please keep in mind that the minimum standards only outline potential eligibility for admission to a state university. UNF's admission criteria depends on the size and competitiveness of the applicant pool and will be higher than these minimums.

An overall recalculated grade point average in academic course work as computed by UNF (additional points are assigned to honors, dual enrollment, Advanced Placement, International Baccalaureate, and Cambridge AICE courses) and scores on the SAT or the ACT program are combined to meet the minimum established by the Florida Board of Governors and the University. Some applicants who do not meet these established academic criteria, but who bring to the University other important attributes, may be considered for admission.

Decision notification process

Once an application is complete with all required documents, UNF Admissions will review applications on a 4-6 week turn around. All applicants are notified by a USPS mailed official letter, as well as posted on their myWings account under the Application Status link. Periodically, e-mails are sent out to applicants about missing documents so please check your myWings account to ensure that all official application documents are received.

Appeals process

A student who is denied admission to UNF has a right to [appeal that decision](#). If he or she chooses to appeal, the student must submit a letter of appeal and supporting documentation, detailing the reason the application should be reviewed. Supporting documentation that substantiates the appeal may be sent to the address below:

Admissions Office at the University of North Florida
c/o The Director of Undergraduate Admissions
1 UNF Drive
Jacksonville, FL 32224

Examples of supporting documentation include:

- Updated high school transcripts showing improved academic performance
- Improved SAT or ACT scores sent directly from the testing agency
- If applicable, post secondary transcripts showing satisfactory or improved college course work or
- Documentation to support situations that are out of the student's control, if applicable.

Applicants who wish to appeal based on a disability may submit documentation verifying the disability along with the letter of appeal. If applicable, we recommend updated transcripts or new test scores should be included.

Please note that there is no guarantee an appeal decision will result in admission to the University of North Florida. Please note that the likelihood of a decision will be reversed on appeal is low.

View the University's current [official policy](#).

Standard Admission Requirements

Apply Now

There are two sets of requirements: University admission requirements and the specific requirements of each UNF graduate program.

University Admission Requirements

1. A baccalaureate degree from a regionally accredited U.S. college or university or its equivalent from a foreign institution with a grade point average of 3.0 (B) or higher in all work attempted as an upper-division student, typically the last 60 credit hours OR an earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

UNF Program Specific Admission Requirements

Students may also be required to meet specific or more stringent requirements of the program to which they are seeking admission. Such requirements may include, but are not limited to:

- Standardized test scores
- Supplemental documents (i.e. letters of recommendation, resume, personal statement)
- Licensing

Please visit the the Graduate School website for a list of [offered programs](#) and their specific requirements. Students should be aware that admission into any graduate program is granted on a competitive basis. Students meeting minimum requirements may be denied admission based on such factors as program capacity or academic discretion. Likewise, students may be considered for admission as an exception if stated admissions criteria are not met.

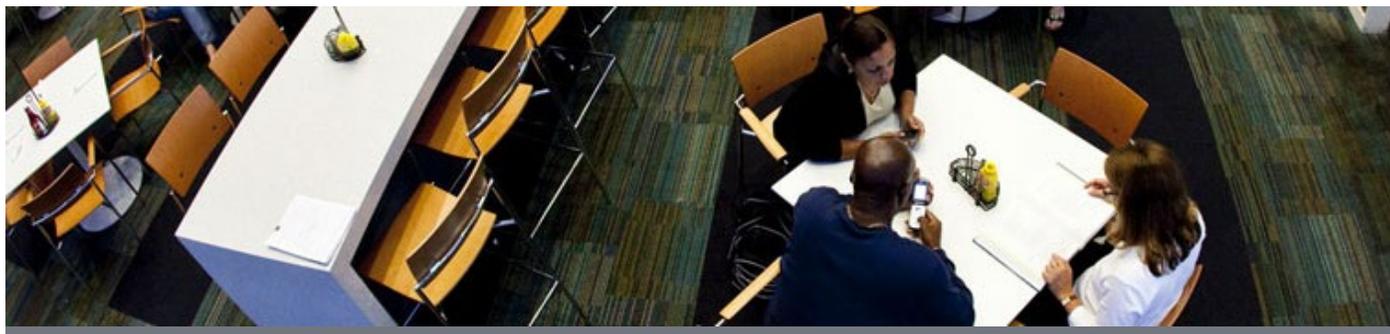
Decision Notification

Admission decision letters are provided to all applicants who have submitted a completed application with all required additional material regardless of the nature of the admission decision. Admission decision letters are sent via e-mail 24 hours after the decision is posted. Please note that the time frame in which a

decision is made is dependent on the reviewing process of the program director or the departmental committee (if applicable).

You can view your decision e-mail by logging into myWings and clicking the View Communications link in your Application Status tile.

Please note that admission decisions cannot be appealed.



Transfer Student Admission Requirements

[Apply Now](#)

Transferring as a Freshman or Sophomore (Lower-Level Transfer)

Lower-level students are defined as those with fewer than 60 [transferable](#) semester hours (90 transferable quarter hours) of college course work. Admission requirements will vary by credit hours earned, major, term, and space-availability. To be considered, applicants must meet or exceed the following criteria:

- Satisfy the same admission requirements as incoming freshman applicants including meeting the State University System sliding scale with high school GPA and SAT/ACT scores (see below exception)
- Display evidence of a competitive profile and demonstrated academic success in college-level course work.
- Meet or exceed a minimum cumulative college GPA of 2.0 ("C") or higher, including a "C" or higher average and "good standing" status (eligible to return) at the most recent college attended.

Applicants who apply with more than 30 transferable semester hours but less than 60 transferable semester hours, may be considered for admission without meeting the incoming freshman requirements.

Applicants must earn at least 30 transferable semester hours including a "C" or higher in both English Composition and College level mathematics or higher, and a minimum cumulative college GPA of 2.0 ("C") or higher, including a "C" or higher average and "good standing" status (eligible to return) at the most recent college attended.

Meeting the above-referenced state minimum GPA requirement

does not guarantee admission to the University. Applicants who exceed the minimum are most competitive for admission as a transfer student if space is available. In determining an applicant's admissibility, the University may consider personal qualities and talents in addition to academic accomplishments. The basis for this regulation can be found in the Florida Board of Governors [BOG 6.004 Transfer Students-Undergraduate](#), which governs decisions regarding admission of all undergraduate, degree seeking transfer students to UNF and the satisfaction of general education requirements.

Listed below are the minimum required materials for lower level transfer students to submit in order to be evaluated for a decision. Additional documentation may be requested, and additional requirements are needed for an International Student.

- Admission application
- \$30 application fee
- Official high school transcripts
- Official rSAT/SAT/ACT test scores
- Official transcripts from all post-secondary institutions attended, including dual enrollment credits from high school
- Official transcripts from any other [credit-earning mechanisms](#), including [Advanced Placement \(AP\)](#), [Advanced International Certificate of Education \(AICE\)](#), [College Level Exam Program \(CLEP\)](#), [Defense Activity for Non-Traditional Education \(DANTES\)](#), [International Baccalaureate \(IB\)](#), and any military SMART/AARTS/JST transcripts.

All transcripts and test scores must be official, arriving to the Office of Admissions directly from the awarding institution or in the original, sealed envelope. Unofficial documents and those received after the posted deadline will not be accepted.

An applicant with fewer than 12 transferable credit hours must apply as a freshman. See our [freshman admissions](#) page for application information.

Transferring as a Junior or Senior (Upper-Level Transfer)

Applicants who have completed an Associate in Arts (A.A.) degree at a Florida public post-secondary institution (university, community, state, or junior college); applicants who fall under the provisions of specific articulated programs; or applicants who have completed a minimum of 60 [transferable](#) semester hours (90 transferable quarter

hours) of college credit may be considered for admission as a junior or senior. Admission requirements will vary by major, term, and space-availability.

In order to be considered, applicants must meet or exceed a cumulative college GPA of 2.0 or higher, including a "C" or higher average and "good standing" status at the most recent college attended. Meeting the minimum GPA requirement does not guarantee admission to the University. Applicants who exceed the minimum are most competitive for admission as a transfer student if space is available. In determining an applicant's admissibility, the University may consider personal qualities and talents in addition to academic accomplishments.

Listed below are the minimum required materials for upper-level students to submit in order to be evaluated for a decision. Additional documentation may be requested, and additional requirements may exist for students applying to limited access/selective admissions programs or international students.

- Admission application
- \$30 application fee
- Official transcripts from all post-secondary institutions attended, including dual enrollment credits from high school
- Official transcripts from any other [credit-earning mechanisms](#), including [Advanced Placement \(AP\)](#), [Advanced International Certificate of Education \(AICE\)](#), [College Level Exam Program \(CLEP\)](#), [Defense Activity for Non-Traditional Education \(DANTES\)](#), [International Baccalaureate \(IB\)](#), and any military SMART/AARTS/JST transcripts.

All transcripts and test scores must be official, arriving to the Office of Admissions directly from the awarding institution or in the original, sealed envelope. Unofficial documents and those received after posted deadlines will not be accepted.

Applicants transferring directly after earning an A.A. degree from a Florida public institution and applicants transferring under the provisions of an existing articulation agreement will receive priority consideration for admission.

Applicants transferring to the University without earning an A.A. degree from a Florida public institution must display evidence of a competitive profile and demonstrated academic success in college-level coursework. In order to be considered, applicants must meet or

exceed a minimum cumulative college GPA of 2.0 (“C”) or higher, including a “C” or higher average and “good standing” status (eligible to return) at the most recent college attended.

Meeting the minimum GPA requirement does not guarantee admission to the University. Applicants who exceed the minimum are most competitive for admission as a transfer student if space is available. In determining an applicant’s admissibility, the University may consider personal qualities and talents in addition to academic accomplishments.

Additional restrictions apply for students applying to [Limited Access](#) and [Selective Admission](#) programs.

Transfer Student Resources

- [University's official regulation](#)
- [Transfer Student Bill of Rights](#)
- [Foreign Language Requirement](#)

Decision Notification Process

Once an application is complete with all required documents, UNF Admissions will review applications in 4-6 weeks. All applicants are notified by a USPS mailed official letter. The admission decision can also be found on the myWings account under the "My Application Status" tile. Periodically, e-mails are sent out to applicants about missing documents. It is the responsibility of the student to ensure that all official application documents are received.

Appeals Process

An applicant who is denied admission to UNF for academic reasons only has a right to [appeal that decision](#). If they choose to appeal, the applicant must submit a letter of appeal and supporting documentation, detailing the reason the application should be reviewed. Supporting documentation that substantiates the appeal may be sent to the address below:

Admissions Office at the University of North Florida
c/o The Director of Transfer Student Services
1 UNF Drive
Jacksonville, FL 32224

Examples of support documentation include:

- Updated post-secondary transcripts showing improved academic performance
- Documentation to support situations that are out of the student's control, if applicable.

View the University's [current official policy](#).



Special Admission Consideration based on a Disability

Apply Now

The University does not discriminate on the basis of disability in admission or access to its programs or activities. Students who do not meet general admission requirements and have documented proof of a disability (for example: blind or low vision, deaf or hard of hearing, motor or physical disabilities, psychological or emotional disorders, specific learning disabilities, ADHD/ADD, or other disabilities) may request consideration of the disability in the appeal process. Applicants who wish to appeal may submit documentation verifying disability along with a letter of appeal. For more information on the appeal process, please visit the Admissions webpage.

The University advises students with disabilities to register with the Student Accessibility Services (SAS) immediately upon admission to UNF. In order to provide accommodations, a student must be registered with the Student Accessibility Services (SAS).

To register with the SAS, the student must supply the SAS office with written documentation of his/her disability (see [How to Register with the SAS](#)).

Prior UNF students returning for course work after an absence of three consecutive semesters must follow current DRC documentation requirements and policies.

View the University's [official regulation](#).

Transient Graduate Student Admission

Special Admission

Under certain circumstances students currently enrolled at other universities may enroll at UNF as "transient students" on a space available basis.

Special Admission for Transient Students

A student in good standing at an approved institution may apply to UNF for one term to complete work; the credit for which will be transferred back to the student's home institution. Applicants must submit either an official transcript or a letter from their college or university's Registrar verifying their good standing. A transient enrollment form or other documentation may be required by the program in which the student seeks to take coursework.

Special Admission for Inter-Institutional Transient Students

A student in good standing at a school participating with UNF in various exchange programs or exchange agreements may apply to UNF for one term, or for the duration of a special program, to complete work the credit for which will be transferred back to the home institution. The student must be sponsored by his or her academic dean, who is responsible for arranging with the UNF Registrar's Office and the appropriate college dean for the student's visit. The student will register at UNF and pay UNF tuition and registration fees. The process is the same for UNF students seeking to attend other institutions for a single term or for the duration of a special program. UNF students must have the support of their academic dean, who is responsible for arranging their visits. UNF students will register at and pay the tuition and fees of the institution they are visiting.

View the University's policy on [Transient Student Admissions](#)

Acceptance of Online Course Credit

Undergraduate, degree-seeking students who are admitted to the University and who have completed online college level courses prior to initial enrollment may request that the University evaluate that coursework to determine if credit may be awarded by submitting an official transcript to the Office of Admissions.

The basis for this regulation can be found in the Florida Board of Governors BOG 6.020 *College Credit for Online Course Completed Prior to Initial Enrollment*, which governs the evaluation and acceptance of coursework through online courses. All University policies and procedures that result in a less stringent application of this requirement shall be superseded.

View the University's current [official policy](#).



Adding/Dropping Courses and Late Registration

Students should exercise care when registering to avoid the necessity of schedule changes after classes have begun. Classes may be added or dropped from a student's schedule during a term's registration period through the last day of add/drop. Course adds and drops may be completed via the [myWings](#) web portal or in person at One-Stop Student Services located in Building 53- Hicks Hall. Courses officially dropped during the add/drop period will generate a refund and will not appear on a student's permanent record.

If a student discontinues attendance in a course without officially dropping or withdrawing, a final grade of "F" may be assigned.

Non-attendance does not guarantee that a student will be dropped from a class. Students are fee liable for all courses for which they register. Students must drop themselves from any courses for which they do not wish to remain enrolled.

A Late Registration fee of \$100 is assessed for students whose first registration activity for a given semester occurs during add/drop week or for students who add a class during the Late Registration period. Students are not charged the Late Registration fee for every class added- this fee is assessed only once per term.

Students are not permitted to add a course after the add/drop period ends unless there are unusual circumstances clearly beyond the student's control. When such a case exists, the student must complete a [Request for Late Registration Form](#) and obtain all necessary approvals (signatures). Completed forms must be submitted in-person by the student to One Stop Student Services. A

Late Registration fee of \$100 will also be added to the student's account. A Late Payment fee of \$100 may also be assessed. The Late Registration deadline is posted on the [Academic Calendar](#). Students wishing to register for a course after the posted Late Registration deadline must submit a Student Petition of Academic Policy (SPAP), supported by a statement of extenuating circumstances and proper documentation, to be considered for late-adding a course. The SPAP Committee makes final decisions on petitions to add courses after the late registration deadline.

Courses that are scheduled to meet for the first time after the add/drop period ends may be dropped the next business day in-person at One-Stop Student Services. Tuition payments are still due on the regular deadline for all classes.

Please refer to the [Academic Calendar](#) for specific registration and add/drop dates and deadlines.



Concurrent Enrollment

Concurrent Enrollment refers to degree-seeking, currently registered UNF students who wish to earn credit at another regionally accredited post-secondary institution for transfer into a UNF degree program.

All students (upper- and lower-division) seeking to concurrently enroll at another institution and transfer credits back to UNF must obtain approval from their UNF academic advisors prior to enrolling elsewhere. In addition, students planning to attend a Florida public community college, state college or State University System institution must go to www.Floridashines.org and complete the online [Transient Student Admission Application](#) prior to concurrently enrolling at the other institution. Students planning to attend a regionally-accredited private institution or a regionally-accredited out-of-state institution must submit a Concurrent Enrollment Request form, which is available in paper format from their academic advisor's office or from One-Stop Student Services. Students using the paper form must also obtain certification from One-Stop Student Services prior to concurrently enrolling elsewhere.

Once a student is admitted to and enrolled at UNF, transfer credit earned as a concurrent student will not be used to satisfy degree requirements unless the credits were approved by the appropriate academic advising office.

Upon completion of the course(s) at the other institution, the student must have an official transcript sent from that institution to UNF.

Students may be eligible for financial aid for approved courses taken concurrently at another institution. For additional information, please

review the information online regarding Concurrent Enrollment and [Consortium Agreements](#).

Limited Concurrent Enrollment Hours for Lower-Division Students

Concurrent Enrollment for lower-division students (those who matriculate with fewer than 60 semester hours) is limited to seven semester hours at another regionally-accredited institution, pending academic advisor approval. Students needing to satisfy the Florida Board of Governors' nine-hour summer residency requirement, who have not previously completed any concurrent enrollment, may be approved to concurrently enroll for a maximum of nine semester hours at one of the 12 State University System (SUS) of Florida institutions during one or more summer semesters. To fulfill the summer residency requirement, a student may be approved for seven hours of concurrent enrollment at another regionally accredited institution OR he or she may be approved for up to nine hours at an SUS institution to fulfill the summer residency requirement. A student may not be approved for both methods. Exceptions to this policy may be approved for students participating in study abroad opportunities or for students facing other extenuating circumstances.



Continuous Enrollment

The University of North Florida defines continuous enrollment as being enrolled in classes at UNF without a break of three or more consecutive semesters, including summer terms. Students who break continuous enrollment are subject to the program requirements published in the catalog for the academic year in which they re-initiate enrollment at UNF. Additionally, such students (those who either do not enroll or withdraw from all courses for each of the three consecutive semesters) are required by their academic department to convert to current program requirements. A student who breaks continuous enrollment must re-apply for admission to UNF and is subject to all admission requirements and criteria at the time of re-application and, in most cases, must pay an application fee.



Course Designations

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and by participating nonpublic institutions to facilitate the transfer of courses between participating institutions. Courses are identified with an alphabetic and numeric coding system. The alphabetic abbreviation identifies the course content. The numbers have the following meaning:

Course Designations

1000 and 2000 series	Freshman- or sophomore-level courses
3000 and 4000 series	Junior- or senior-level courses
5000 series	Beginning graduate-level courses
6000 series	Graduate-level courses
7000 series	Doctoral-level courses

View a more detailed explanation of the [Statewide Course Numbering System](#).



Excelsior College and UEXCEL Exams

Credit will be granted for satisfactory scores on the Excelsior College and UEXCEL examinations. The chart below can be used as a guide to determine the type and the amount of credit. Credit earning scores and course credit awarded can be found on the Florida Statewide Course Numbering System website.

Information is subject to change.

Excelsior/UEXCEL	Passing Score	GEN ED	Course Equivalent	Hours
Abnormal Psychology	C	Elective	CLP 1140	3
Calculus (UEXCEL)	C	Elective	MAC 1311	4
College Writing (UEXCEL)	C	Elective	ENG 1101	3
Earth Science	C	Elective	ESC 1000	3
English Composition	C	Elective	ENC 1101	3
Ethics: Theory and Practice	C	Elective	PHI 1630	3
Foundations of Gerontology	C	Elective	GEY 1000	3
Human Resources Management	C	Elective	MAN 1300	3
Introduction to Music	C	Elective	MUH 1011	3
Introduction to Philosophy	C	Elective	PHI 1010	3
Juvenile Delinquency	C	Elective	CCJ 1500	3

Labor Relations	C	Elective	MAN 1400	3
Life Span Developmental Psychology	C	Elective	DEP 2004	3
Managerial Accounting	C	Elective	ACG 1071	3
Microbiology	C	Elective	MCB 1000	3
Precalculus Algebra	C	Elective	MAC 1105	3
Principles of Marketing	C	Elective	MAR 1011	3
Psychology of Adulthood and Aging	C	Elective	DEP 1401 or DEP 1402	3
Spanish Language (UEXCEL)	C	Elective	SPN 1000	4
Weather and Climate	C	Elective	MET 1010	3
Workplace Communication with Computers	C	Elective	OST 1335	3
World Conflicts since 1900	C	Elective	WOH 1040	3

Cross-Level Listing of Graduate and Undergraduate Courses

Cross-level listing occurs when an undergraduate and graduate course are offered at the same time, with the same instructor, and in the same physical or online space. While the classroom experience is shared between the undergraduate and graduate students, the actual courses are expected to have content, learning outcomes, and assessment measures that are both separate and distinct.

In general, the cross-level listing of undergraduate and graduate courses should be rare and require compelling, academically defensible rationales for combining students of such different academic levels. Graduate-level work must demonstrably involve a greater degree of analysis, synthesis, rigor, critical thought and independence than undergraduate-level work. This means graduate level courses should not be cross-listed on the official course schedule with an undergraduate course unless and until instructor-specific, differentiated syllabi have been vetted and approved by The Graduate School. Approval is necessary for compliance with the expectations of UNF's regional accreditor, the Southern Association of Colleges and Schools Commission on Colleges, whose Comprehensive Standard 9.6 requires that an institution be able to clearly demonstrate that its "post-baccalaureate professional degree programs, master's and doctoral degree programs, are progressively more advanced in academic content than its undergraduate programs." Approvals are valid for three years at which time updated instructor-specific, differentiated syllabi may be submitted to The Graduate School for review. Program specific accrediting requirements should be governed by the appropriate department.

For this purpose, the following guidelines should be observed:

1. Acceptable configurations of such courses include only 4000/5000 and 4000/6000 cross-listings. Undergraduate courses at the 3000 level or below should not be co-listed with a graduate course.
2. Each course must have a separate syllabus, specific student

learning outcomes are to be provided for each course clearly indicating the greater degree of analysis, synthesis, rigor, critical thought and independence required for the graduate course.

3. The expectations of graduate students must be commensurate with the level of the graduate course and exceed the expectations of the academic content of the undergraduate course. Graduate students are to do more difficult work, not just more work, than undergraduate students.

4. Course titles should be similar but do not need to be identical.

Courses that do not meet the above qualifications for cross-level listing may not be taught together in the same time and/or space. Approved courses are based on submitted content only and do not apply if course details such as assigned instructor, title/topic or level changes occur. Courses that vary by term such as Special Topics require unique approvals for each topic offered. Exemptions to this policy must be approved by the Provost and Vice President for Academic Affairs. Courses will not be formally scheduled until approved.

View the University's current official [policy on cross-level listing of courses](#).

Degree Progression and Change of Major Policy

The University of North Florida is committed to helping students achieve their educational goals and graduate in a timely manner. As part of this commitment, students are required to declare an academic course of study or major at an appropriate time. Moreover, there may be restrictions on courses that do not contribute to degree completion. Students must follow guidelines regarding their ability to change majors.

Upon completing all degree requirements, students will graduate and have the opportunity to participate in commencement exercises. Those wishing to take additional courses after meeting degree requirements should consider a second baccalaureate degree, a graduate degree, or coursework taken as a non-degree-seeking student.

View the University's current [official policy](#).



Duplicative Credit

Students will not be allowed to earn credit for a non-repeatable course more than one time and will not be allowed to earn credit in two substantially equivalent courses.

If a student repeats a course for which they have already been awarded credit by UNF as transfer credit or institutional credit and the course is not designated as repeatable by UNF, the earned credits for only the last attempt will be counted toward the total hours for the baccalaureate degree program.

If a student takes a course, containing a description explicitly stating that they cannot receive credit for both it and another course for which UNF has awarded transfer credit or institutional credit, the earned credits for only the last attempt will be counted toward the total hours for the baccalaureate degree program.

View the University's current [official policy](#).

Graduate Program Course Level

Eighteen hours of any UNF graduate degree must be successfully completed at the 6000 level. All graduate and post-baccalaureate professional degree programs at the University of North Florida shall include only courses at the 5000 level and above. This does not include:

1. Pre-requisites
2. Minors
3. Teacher certification add-on programs
4. Field-based coursework connected to teacher certification programs

View the University's [official policy](#).



Graduate Transfer Credit Policy

I. Objective and Purpose

To describe the number of credits that may be transferred into a UNF program by a student pursuing a graduate degree, and to describe the parameters under which credit transfers are possible. This policy covers credits transferred into a degree program from outside of UNF, as well as credits earned at UNF outside of the degree program to which they are to be applied. For the purposes of this policy, credits received from another institution as part of a formal dual degree program are not considered transfer credits.

II. Statement of Policy

The residency requirement to receive a graduate degree at UNF is 18 credit hours. The total number of transfer credits from sources both internal and external to UNF may not exceed 50 percent of the requirements for a UNF graduate degree..

The acceptance of internal or external transfer credits in a graduate program must be approved by the program director. The thesis credit requirement of a program may never be satisfied by transfer credits. Additionally, graduate programs may stipulate additional constraints beyond those included in this policy.

For all transfer credits, the student must have earned grades of 3.0 or higher on a 4.0 scale.

(1) Transfer Credits Earned Prior to Program Enrollment

No more than 12 credit hours previously earned at another

institution may be used to satisfy the requirements of a UNF graduate degree. Only graduate-level courses that are no more than seven years old from a regionally accredited institution or recognized international institution may be accepted as previously earned transfer credits. Only formal coursework hours, but not thesis or research hours, may be used as transfer credits.

Up to 12 hours of graduate coursework taken at UNF as a post-baccalaureate student or as part of another degree program may be applied toward a graduate degree. These courses are considered transfer credits, but count towards fulfilling the residency requirement.

Up to 12 hours of graduate course work taken as an undergraduate at UNF as part of a formally approved accelerated bachelor's/master's program may be applied toward a graduate degree. These courses count towards fulfilling the residency requirement, but are considered transfer credits. (See [3] below.)

(2) Transfer Credits Earned While Enrolled in a UNF Program

Up to 12 credit hours of a graduate program may be earned through concurrent enrollment at another regionally accredited university while the student is enrolled in a UNF graduate degree program. This requires advance approval by the program director and graduate dean via submission of a Concurrent Enrollment Form. These courses do not count towards fulfilling the residency requirement.

No more than 12 hours of UNF credit from one graduate program may be applied toward another UNF graduate degree program when both are being pursued concurrently, except for when a student is concurrently enrolled in a certificate program (See Policy 2.0720P Graduate Certificate Programs). These courses count towards fulfilling the residency requirement, but are considered transfer credits

(3) Accelerated Bachelor's/Master's Programs

Accelerated bachelor's/master's programs for graduate degrees

have a limit of 12 credit hours that may be shared for fulfilling both the undergraduate and graduate requirements. Proposals for accelerated bachelor's/master's programs must include a strong curricular rationale to support the streamlining of credit requirements in the two degrees.

Shared credit is limited to formal coursework, exclusive of independent study. Course grades below a 3.0 are not acceptable to fulfill master's degree requirements if taken while in undergraduate status.

View the University's [official policy](#).

Military Coursework

This regulation applies to eligible members of the United States Armed Forces. The basis for this regulation (6.013 - Military Veterans and Active Duty) can be downloaded and viewed from the [FLBOG Regulations website](#), which governs the awarding of appropriate academic college credit for college-level training and education acquired in the military.

1. College credit will be granted to students with military training, experience, or coursework that is recognized by the American Council on Education (ACE). Military training, experience or coursework is subject to regular institution transfer practices including limitations on amount (maximum of 21 hours) and level of transfer credit. The process is subject to the same treatment as any other transfer credit evaluated.
2. The ACE *Guide to the Evaluation of Educational Experiences in the Armed Services* will be used to determine equivalency and alignment of military coursework with appropriate university courses.
3. If the course to which the military training or coursework is equivalent fulfills a general education or major course or degree program requirement at the receiving institution, the credit should count towards graduation and meet a requirement accordingly. Otherwise, appropriate course credit including free elective course credit will be granted.
4. The credit that was previously evaluated and awarded by a college degree granting institution, and that is appropriate to the transfer student's major at the university, should be accepted, subject to institutional limit on the amount and level of transfer credit allowed for a given degree.



Petitions of Academic Policies

Students who feel that they have serious extenuating circumstances may submit a Student Petition of Academic Policy (SPAP).

Submitting a petition does not guarantee that a particular policy will be waived since petitions are considered exceptions and are evaluated on a case-by-case basis.

Petitions must be submitted online via myWings as follows:

- Student Records
- Student Self-Service
- Online Forms
- Student Petition of Academic Policy (from the list of Appeals and Petitions)

Documentation of the circumstances related to the request **MUST** accompany the petition for the case to be considered. Petitions submitted without relevant supporting documentation will be denied without consideration. Final decision on all petitions rests with the Student Petition of Academic Policy (SPAP) Committee.

For items that cannot be petitioned, please refer to [Petitioning University Policies and Regulations](#) (approved by Faculty Association in 2007).



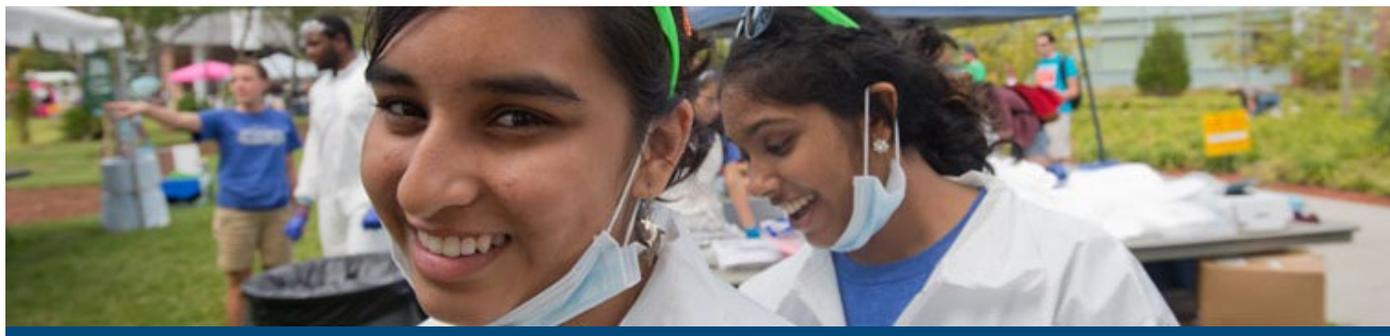
Summer School Requirement

BOG Regulation: 6.016 Summer Session Enrollment

All students entering a university in the State University System with fewer than 60 semester hours credit shall be required to earn at least nine semester hours prior to graduation by attendance at one or more summer sessions at one of the state universities in Florida before graduation. University presidents or their designee may waive the application of this regulation in cases of unusual hardship to the individual.

Authority: Section 7(d), Art. IX, Fla. Const., History--New 6-12-75, Amended 6-25-80, 8-11-85, Formerly 6C-6.16, Amended 1-8-92, 8-19-92, 9-23-93, 11-27-95.

Official Board of Governors [regulation](#).



Withdrawals

All undergraduate students will be limited to a total of six UNF course withdrawals—3 lower level course withdrawals (1000 & 2000 level courses) and 3 upper level course withdrawals (3000 & 4000 level courses) – regardless of the number of credit hours per course. Unused withdrawals are forfeited. After the withdrawal limit is reached, students will be blocked from further course withdrawals by the University's registration system. Courses with a grade of “WM” (medical withdrawal), “WS” (military withdrawal), “WR” and “WA” (administrative withdrawals) are not counted in the limitation. Any undergraduate course withdrawals at UNF prior to Fall 2013 are not counted towards withdrawal limits but will continue to be reflected on the student's transcript.

A student who has exceeded their withdrawal limit as a result of extraordinary, documented circumstances that are clearly beyond the student's control may appeal for exceeding the withdrawal limit to the Student Petition of Academic Policy (SPAP) Committee prior to the end of classes of the term within which the student is enrolled. The course instructor, department chair, academic advisor and/or graduate program director may recommend an action to support or not support the withdrawal, give no recommendation, or write an explanation of the applicable circumstances. Final approval/disapproval authority rests with the SPAP Committee.

Students are strongly encouraged to contact their academic advisors or program directors to discuss and understand how withdrawals will impact academic persistence, including time to graduation and meeting degree requirements. Students receiving financial aid who withdraw from any classes should contact the Office of Student Financial Aid via One-Stop Student Service to understand federal aid and scholarship award consequences and obligations. Students receiving VA benefits should contact the

Military and Veterans Resource Center (MVRC).

Graduate programs may have specific policies regarding the number of withdrawals allowed with the program. Graduate students are advised to first consult with their graduate program director before withdrawing from any course.

A student may withdraw from a course, or from the University, starting at the end of the add/drop period through the withdrawal deadline as posted on the Academic Calendar. Students may withdraw online through myWings or complete and submit an official withdrawal request form by the deadline to One-Stop Student Services. Upon completion of the withdrawal process, a grade of "W" will be assigned and no refund will be generated. If a student stops attending classes without officially withdrawing, a final grade of "F" may be assigned.

View the University's current official [policy on withdrawals](#).

Late Withdrawals After the Deadline

A student who misses the withdrawal deadline as a result of extraordinary, documented circumstances may appeal for late withdrawal to the Student Petition of Academic Policy (SPAP) Committee prior to the end of classes of the term within which the student is enrolled. The course instructor, department chair, academic advisor and/or graduate program director may recommend an action to support or not support the withdrawal, give no recommendation, or write an explanation of the applicable circumstances. Final approval/disapproval authority rests with the SPAP Committee.

Complete Withdrawals

Complete Withdrawal is the formal process of leaving the University. Once the Complete Withdrawal has been processed, the student's academic responsibility with the University will be discontinued. Student student will show as official unenrolled based on the date of withdrawal. Dropping all classes or withdrawing from all classes in a term is not the same as a Complete Withdrawal from the University.

Students who completely withdraw from the University remain fee liable and receive a grade of WC in each course. The assigned "WC" grades will count towards the withdrawal limit and will remain on the academic transcript.

A Complete Withdrawal must be initiated by a student's academic advisor after meeting with the student. A student who received a Complete Withdrawal may not continue to attend class(es). A student who wants to enroll in a future term after a Complete Withdrawal must meet with an academic advisor, after which the advisor may remove the registration hold. A student who breaks continuous enrollment after a Complete Withdrawal must re-apply for admission and is subject to all admission and academic program requirements at the time of re-application.

This policy is not to be confused with withdrawing from all courses in a term or withdrawing from all courses in a term to receive a 25 percent refund of tuition and fees. Students not covered under the University's official Withdrawal policy are those who withdraw from all courses (excluding Summer A, B, 8- and 10-week courses) by the deadline posted on the Academic Calendar and receive the refund, but intend to re-enroll at the University at a later date. The Withdrawal policy outlines the formal process of leaving the University.

View the University's current official [policy on withdrawals](#).

Appealing Graduate Program Decisions

To establish a policy whereby a graduate student may appeal a suspension or dismissal decision by a graduate program. This is distinct from the appeal of a course grade (2.0340P Appealing Academic Grades Policy). This policy also does not apply to the appeal of penalties assessed for a violation of the Academic Misconduct Policy (2.0640P) or Student Conduct Regulation (5.0010R). If the suspension or dismissal is the result of an unsatisfactory course grade or a penalty for academic or student misconduct, those appeals must be resolved as per their policies prior to appealing a graduate program decision. Similarly, any related withdrawal for medical reasons (5.0050P Medical Withdrawal Policy) must be resolved before appealing a program decision.

The primary responsibility for monitoring a graduate student's progress rests with the degree program, although the Graduate School may also monitor a student's progress and take appropriate actions if performance standards as specified by the program and university are not maintained. Determining student progress requires an ongoing evaluation of a student's performance in a program as indicated by satisfactory grades within courses, successful performance on competency exams, progress in thesis or dissertation research and writing, maintenance of the standards of academic and professional integrity expected in a particular discipline or program, and/or any other measures of progress as used in the program. Probation, suspension, or dismissal of a student may occur when the individual is not maintaining good academic standing in the degree program (see also 2.0400P Graduate Academic Standing Policy).

Even if a student is maintaining good academic standing, a degree program may recommend probation, suspension, or dismissal if a student fails to maintain standards of academic and professional integrity as well as competence necessary for the welfare of patients, clients, or others encountered in internships, externships, or other courses required by a degree program.

Additional details on suspension are provided in the Graduate Academic Standing Policy (2.0400P), while details on dismissal are

provided in the Dismissing a Student from a Graduate Program Policy (2.0410P). Prior to suspension or dismissal, a student must be afforded an opportunity to discuss the decision with the program director and/or the program's graduate committee, should the program have one. If the program chooses to suspend or dismiss the student, this decision must be communicated to the student and to the Graduate School in writing.

Once suspended or dismissed, a student may appeal the program decision within 30 calendar days from receiving written notification of the program decision. If the suspension or dismissal is the result of an unsatisfactory course grade, a penalty for academic or student misconduct, and/or an issue warranting a medical withdrawal, those appeals must be resolved first, after which the student has 30 calendar days to file a program decision appeal following the procedure detailed below. During the appeal, the suspension or dismissal remains in effect, and the student is not allowed to enroll in courses or participate in program activities until and unless the program decision is reversed.

The graduate student should first discuss the matter within the academic unit of the grievance and attempt to resolve the grievance informally. If the informal grievance fails, the formal appeal procedure is as follows:

(a) The graduate student requesting the appeal must state the nature of the grievance in writing to the graduate program director. The statement should include a brief narrative of the grievance, the parties involved, and a statement of the remedy being requested.

(b) Within 10 business days of receipt of the student's written appeal, the graduate program director will make a recommendation to the responsible department chair about the appeal. The chair will then make a department-level decision about the appeal and inform the student of the decision within 10 business days after receiving the recommendation from the graduate program director or graduate program committee.

(c) Should the graduate student disagree with the decision of the department chair, the student has 10 business days to file a written appeal of the decision with the responsible college dean. It is incumbent on the student to explain in the appeal why the department-level decision is in error and should be reexamined. The

college dean will then make the final decision about the grievance at the academic college level, and inform the student of the decision within 10 business days after receiving the written appeal from the student.

(d) Should the graduate student disagree with the decision of the academic college dean, the student has 10 business days following receipt of the college decision to file a written appeal of the decision at the university-level with the Provost and Vice President of Academic Affairs. It is incumbent on the student to explain in the appeal why the academic college decision is in error and should be reexamined. The Provost will within 10 business days following receipt of the appeal make a decision about the grievance. There is no appeal beyond the level of Provost, as this position is vested with the final authority by the President of the University.

View the University's official policy on [Appealing a Graduate Program Decision](#)



Dean's List

Candidates for a baccalaureate degree who have earned 15 credit hours at UNF and have a term GPA of 3.5 or higher for at least nine credit hours are eligible for the Dean's List. The Dean's List designation is noted on the academic transcript for each term in which it applies. Changes of grade may impact Dean's List standing.

Dismissing a Student From a Graduate Program

When a student is being considered for dismissal from his/her graduate program, either at the end of a term or during a term, the Graduate Program Director and the Graduate Program Committee (should there be one) will:

1. ensure dismissal of a student from the program is supported by published policy,
2. inform the student, both through email and regular mail, of the matter
3. offer the student an opportunity to meet with the Graduate Program Director to plead his/her case, if the decision to dismiss the student is to be made by the Graduate Program Director
4. offer the student an opportunity to address a meeting of the Graduate Program Committee, if there is to be a Graduate Program Committee meeting for the purpose of deciding whether or not to dismiss the student,
5. inform the student of available appeal procedures and describe them, if it has been determined the student is to be dismissed from the program.

If any meetings occur, with or without a committee, the Graduate Program Director must write formal minutes. If no meetings occur, the Graduate Program Director will write a memorandum describing the decision-making process. Minutes of meetings, memoranda, and all appropriate supporting documentation will be shared with the department chair, college dean, and the graduate dean.

If the student is dismissed from his/her graduate program, the student's transcript will bear an appropriate notation, and the student will receive no refund of tuition or fees.

Once dismissed, a student may apply to UNF as a student in another degree program, or as a non-degree student who is prohibited from taking courses in the program from which he/she was dismissed. A student can only be reinstated to his/her previous degree program by submitting a new application to the program with a new admissions decision.

Students may appeal a program decision through the process outlined in policy [2.1010P](#), [Appealing a Graduate Program Decision](#).

View the University's official policy on [Dismissing a Student from a Graduate Program](#)



Grades

After each semester, students may access their grades in the [myWings](#) portal in the Final Grades area of the Student Records menu. The date final grades will post appears on the Academic Calendar and is generally a week after the end of a term.

Information regarding [transcript ordering](#).

Grade	Grade Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
D	1.0
F and FA	0 (calculated in GPA)

NR, X, I, P, S, U, W, WC, WM, WS and WD 0.0 (not calculated in GPA)

X — Audit

At the time of registration, students must indicate at the time of registration that they wish to audit a course rather than register for credit. Any change from credit to audit or vice-versa must be made before the close of add/drop. Fees for audit classes are the same as those for credit classes and are non-refundable. Petitioning to move from audit to credit or vice-versa is not permitted under normal

conditions; extraordinary circumstances must be documented.

Audited courses do not count toward financial aid.

I — Incomplete

At the instructor's discretion, students who have not completed required work in a course by the end of the semester may be assigned a grade of "I." For an "I" to be assigned, the student must have completed a substantial portion (at least a majority) of the course with a passing grade. The "I" is not computed in the grade point average. The time limit for removing the "I" is set by the instructor of the course. This time limit may not exceed one calendar year or graduation, whichever comes first. The time limit applies whether the student is in residence or not.

An "I" will be changed to a final evaluative grade (one that is used in calculating GPAs) at the time the student completes the required work. Students may not register for courses in which incomplete grades have been received. Any "I" grade not removed by the end of the time limit will be changed to a final grade to be determined by the instructor. This grade will be used to calculate the student's GPA. If no final grade is issued, the "I" will change to an "F" and will be calculated in the GPA. Veterans and other eligible students should contact One-Stop Student Services concerning the effect of incomplete or failing grades upon certification.

NR — No Record

"NR" is assigned when grades for an entire class, or a portion thereof are not submitted by the processing deadline. The Registrar's Office will send a list of "NR" grades to the respective department chairpersons, who will be responsible for communicating with faculty members about removing the "NR" grade. The "NR" may remain on the record for up to one year but cannot remain on the student's transcript beyond graduation.

P — Passing

A "P" indicates a passing grade for the employment experience in the Cooperative Education Program and, at the discretion of the college and departments, for thesis, dissertation, independent study, practicum and/or internship courses. Passing grades are not calculated in the GPA.

W — Withdrawn

A "W" grade indicates that a student has officially withdrawn from a course before the established deadline.

WC — Complete Withdrawal

Students who completely withdraw from the University will receive a grade of “WC” in each course. The assigned “WC” grades will count towards the total withdrawals allowed and will remain on the academic transcript. A student who completely withdraws from the University may not enroll in subsequent terms.

WM — Withdrawn Medical

A "WM" grade indicates that a student has successfully petitioned to withdraw from courses due to an incapacitating illness.

WS — Withdrawn Service

A "WS" grade indicates a student has successfully withdrawn from courses due to military service during the semester.

WD — Withdrawn Deceased

A "WD" grade indicates a student has been withdrawn from classes due to death.

FA — Unforgivable F

An "FA" grade indicates a student has received a punitive or unforgivable F due to academic misconduct. This grade cannot be forgiven through a grade or term forgiveness.

D Grades

Courses completed with grades of “D” may be applied toward upper-level graduation requirements, i.e., 60 credit hours. However, a course completed with a “D” grade normally will not be applicable toward major requirements. See college sections for further information.

View the University's current [official policy](#).

Due to unprecedented disruptions arising from the COVID-19 pandemic, the University of North Florida implemented an alternative grading system for the spring 2020 semester.

S — Satisfactory

A grade of "S" indicates that a student has met a course-specific minimum letter grade requirement and has demonstrated the acquisitions of associated student learning outcomes. A grade of "S" counts as earned credit but does not result in GPA quality points being assigned.

U — Unsatisfactory

A grade of "U" does not count as earned credit and does not

result in GPA quality points being assigned.

View the University's [Interim Grading Policy for Spring 2020](#)



Grade and Term Forgiveness

Grade Forgiveness

Undergraduate, degree-seeking students attempting their first baccalaureate degree may improve their grade point average by repeating a course and requesting that the repeated course and its corresponding grade be the one counted in all the student's applicable Grade Point Average calculations, as described in the [Academic Averages \(Grade Point Averages\) Policy](#).

1. Only two such requests are available to degree-seeking students during their undergraduate UNF career.
2. Grade forgiveness may not be used if term forgiveness has been implemented.
3. The repeated course must be the same course taken previously and must be completed at the University of North Florida. If the course is no longer offered at the University of North Florida, or its prefix or number has been changed but the content is the same, the chair of the department or an appropriate designee of the college that houses the course is required to approve the substitution of another course.
4. Only the first recorded grade for a course will be forgiven. The most recent grade will be calculated in the GPA.
5. Grade forgiveness requests will not be processed after graduation certification.
6. This policy does not alter the permanent academic record; all attempts for a given course and all grades remain on the student's record. The earned hours associated with a forgiven course, however, are removed.
7. Although both courses and grades appear on the student's permanent academic record, the grade for the forgiven course will not be calculated in any of the student's grade point averages (See the [Academic Averages \(Grade Point Average\)](#))

[Policy](#).) The original grades will be calculated for the Latin Honors GPA.

8. Students may repeat courses without using the forgiveness policy. In this instance, both the original and the repeated grade(s) will be used in the calculation of all applicable grade point averages, as stated in the Academic Average (Grade Point Average) Policy. However, earned credit for only the last attempt will apply toward graduation. (Please also see Repeat Hours and Excess Hours Calculation Policies.)
9. This policy reflects UNF courses and grade point calculations only and does not affect the grade or grade point calculation of outside agencies or other institutions who may use all grades, including repeated and forgiven grades, in their calculations of grade point averages.
10. Graduating students who wish to utilize grade forgiveness should contact the Office of Records and Registration to request special consideration. Requests must be submitted prior to the date posted on the academic calendar for commencement.

View the University's current [official policy](#).

Term Forgiveness

Undergraduate, degree-seeking students attempting their first baccalaureate degree may request term forgiveness for exactly one term at UNF.

1. A student granted term forgiveness may not exercise grade forgiveness. Term forgiveness may not be used if grade forgiveness has been implemented.
2. Requests will not be approved for the present term or for the immediately preceding term in which the student was enrolled.
3. Students must complete at least one term at UNF before applying.
4. This policy does not alter the permanent academic record; all courses attempted in the forgiven semester and related grades remain on the student's record. The earned hours associated with a forgiven term, however, are removed.
5. Although courses and grades in the forgiven term appear on the student's permanent academic record, the grade for the courses in the forgiven term will not be calculated in any of the student's grade point averages (See the [Academic Averages \(Grade Point Average\) Policy](#).) The original grades will be calculated for the Latin Honors GPA.

6. This policy reflects UNF grades and grade point calculations only and does not affect the grades or grade point calculation of outside agencies or other institutions who may use all grades, including repeated and forgiven grades, in their calculations of grade point averages.
7. Students must begin the term forgiveness process by consulting with their academic advisor to ensure that this is the best course of action. The academic advisor will submit the term forgiveness request, which the student will need to review and approve via their myWings student portal.
8. Graduating students who wish to utilize term forgiveness should contact the Office of Records and Registration to request special consideration. Requests must be submitted prior to the date posted on the academic calendar for commencement.

View the University's current [official policy](#).

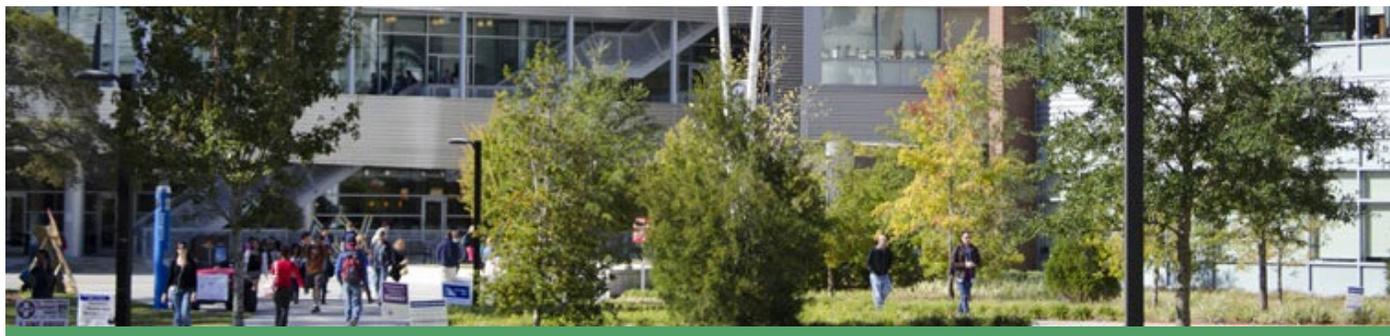


Graduate Academic Load

A full-time graduate course load is nine or more hours per semester once the add/drop period has ended. A part-time graduate course load is fewer than nine hours.

Federal financial aid regulations specify a minimum of nine hours for full-time status during the fall, spring and summer terms. Students should plan their academic loads with recognition of the constraints on their time and other resources. Certain assistance programs such as financial aid, veteran's administration programs, and certain scholarship programs require minimum loads for eligibility. For information on requirements for financial aid and veteran's administration programs, refer to the Financial Information section of the catalog.

Graduate students who wish to take more than fifteen hours must submit a [Student Petition of Academic Policy](#). For information on the number of hours students must take in order to be eligible for financial assistance programs, refer to the Financial Information section of the catalog.



Graduate Academic Standing

Good Academic Standing

A graduate student who has a cumulative UNF Graduate GPA of 3.0 or higher is considered to be in good academic standing.

A graduate student must have a cumulative UNF Graduate GPA of 3.0 or higher to be eligible for graduation and the awarding of a graduate degree.

Graduate students who hold assistantships and fellowships are expected to be in good academic standing.

Academic Probation

A graduate student who fails to maintain a cumulative UNF graduate GPA of at least 3.0 is not in good academic standing and will be placed on academic probation. Probation shall be noted on the academic transcript for each term in which the cumulative UNF graduate GPA is below 3.0.

Academic Suspension and Dismissal

(1) If, while a graduate student is on probation, the cumulative UNF graduate GPA does not reach 3.0 in the next academic term, the student is eligible for suspension or dismissal from the program.

(2) If, while a graduate student is on probation, they earn a “D” or an “F” in a graduate course in their program of study, the student is eligible for suspension or dismissal from the program.

The decision concerning whether the student is actually placed on academic suspension rests with the particular program’s graduate

program director and/or the program's graduate program committee (should the program have one).

Academic suspension is noted on the academic transcript. A graduate student may not register for courses while on academic suspension. The decision to release the student from academic suspension rests with the particular program's graduate program director and/or graduate program committee.

Decisions made by graduate program directors and/or graduate program committees may be appealed by graduate students. Such appeals are made through the normal academic appeals process as specified in the Graduate Catalog and Student Handbook.

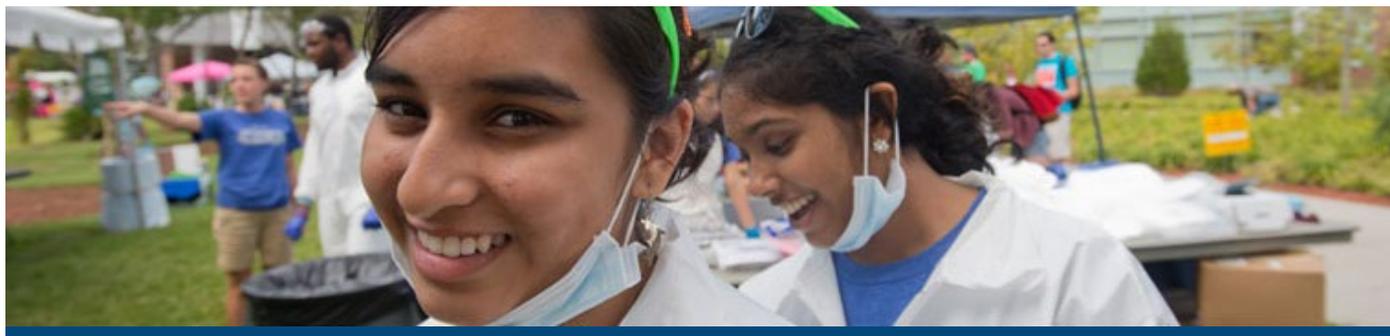
Program-Specific Policies

Many programs have program-specific policies further defining good academic standing and related matters. These program-specific policies, if inclusive of higher standards than those of the University, supersede University policy. Please refer to individual program requirements for more information.

Suspension of VA Benefits upon Unsatisfactory Progress

If the graduate GPA falls below 3.0 during the term following probation status, graduate students receiving Department of Veterans Affairs education benefits will be notified of their unsatisfactory progress and will have their benefits suspended.

View the University's [official policy](#).



Graduate Grade Point Average (GPA)

The Graduate Program GPA includes all graduate credits taken in a program of study once the student has been accepted as a degree-seeking graduate student. This includes all graduate credits, even before official admission to a graduate program, when those credits are used to fulfill degree requirements.

Graduate credits from UNF taken as part of an accelerated Bachelor's-Master's degree program, as a post-baccalaureate student, or in another graduate program of study are counted in the construction of the Graduate Program GPA when those hours are used toward fulfillment of degree program requirements.

Transfer credits from outside of UNF are not counted in construction of the Graduate Program GPA, with the exception of dual international degree programs; all graduate credits from these programs are used to calculate the Graduate Program GPA.

Credits from undergraduate-level courses, no matter when they are taken, are not counted in construction of the Graduate Program GPA.

The Graduate Program GPA is distinguished from the level GPA, which is calculated on all courses taken as a graduate student. The Graduate Program GPA is used to determine program progress and academic standing; GPA calculations for Financial Aid Satisfactory Academic Progress includes all courses taken as a graduate student, regardless of program and course level.

View the University's [official policy](#).

President's Honor Roll

The President's Honor Roll was established to recognize those students who have achieved the highest academic standards for a given term. The Honor Roll is awarded for full-time (15 credit hours) undergraduate students with a term grade point average of 4.0. Changes of grade may impact President's Honor Roll standing.



Undergraduate Academic Load

A typical load for a full-time undergraduate student is 15 credit hours per semester. A minimum full-time load is 12 credit hours per semester. No undergraduate student may exceed a load of 20 credit hours without permission of the appropriate academic dean or department chair.

UNF will certify full-time attendance to programs and agencies (that do not specify minimums for undergraduate student enrollment) for students if the student is enrolled in a minimum of 12 credit hours per semester. [Enrollment verifications](#) can be processed once the add/drop period has ended.

The definition of full-time enrollment at UNF for Federal Title IV financial aid purposes is 12 credit hours per semester. However, certain [institutional financial aid awards](#) may require that students be enrolled in at least 15 semester credit hours to be eligible.



Academic Standing — Probation and Suspension

Good Academic Standing

Undergraduate students who possess a total institutional GPA of 2.0 or above are in good academic standing. Certain programs such as teacher education and others may have more stringent GPA requirements. Please refer to college-specific catalog pages for details.

Academic Probation

An undergraduate student who fails to maintain good academic standing will be placed on academic probation and referred to an academic advisor. Academic probation is a warning (teacher education majors must see the [College of Education and Human Services Probation/Suspension](#) section of the catalog for the college's probation policy.) Transcripts will reflect academic probation.

Academic Suspension and Dismissal

If the total institutional GPA falls below 2.0 at the end of a semester in which a student is on academic probation, then the student will be eligible for academic suspension. (Teacher education majors must see the [College of Education and Human Services Probation/Suspension](#) section of the catalog for the college's probation policy.)

If suspended, the student will be dropped from any subsequent-term coursework for which they are currently registered and denied the opportunity to re-enroll. The duration of suspension varies by college. Email notification is sent by the Office of the Registrar to

students who are placed on academic suspension. Written notification may additionally be sent to students from their respective college or First Year Advising (FYA). Transcripts will reflect academic suspension.

A suspended student who desires to be re-admitted to the same major field as when last enrolled may do so upon the written recommendation of the advisor, the department chair and/or departmental committee designated by the department and the college in which the student was last enrolled at the time they were academically suspended. The dean may deny a student's continued registration in the department. A student who is suspended from a degree program at UNF who wishes to be re-admitted into another UNF degree program must have the re-admission approved by the appropriate advisor, the department chair or the departmental committee of both programs. Re-admission procedures vary by college.

Degree-seeking UNF students (except for teacher education majors) who receive credit for upper-level coursework at another institution while suspended from UNF may transfer these credits back to UNF only with the permission of the appropriate UNF advisor, department chair or departmental committee.

First Time in College Students are expected to maintain good academic standing in their initial matriculation term. Students who do not maintain good academic standing will be required to meet with their academic advisor to review their subsequent-term schedule prior to the start of the next applicable term.

Students who fall below a 2.0 current term GPA will be tracked by the Office of Records and Registration and reported to the appropriate college advising unit.

View the University's current [official policy](#).



Undergraduate Enrollment in Graduate Courses

While graduate-level courses are intended primarily for students admitted to a graduate program, outstanding undergraduate students may take graduate-level courses or upon approval of the department chair of the student's major and the chair of the department offering the course.

Grades earned in graduate-level courses prior to achieving graduate standing are computed in the GPA only if used to fulfill degree requirements. Furthermore, Graduate credit from UNF taken as part of an accelerated Bachelors-Master's degree program, as a post-baccalaureate student, or in another graduate program of study are counted in the construction of the Graduate Program GPA when those hours are used toward fulfillment of degree program requirements.

Graduate-level courses cannot be applied toward both the baccalaureate and graduate degree unless those courses are taken as part of an approved accelerated Bachelors-Master's degree program.

Fifteen semester hours is considered the maximum course load for an undergraduate student taking a graduate course.

Students enrolled in graduate-level courses will pay graduate-level tuition and fees associated with those courses.



Undergraduate Grade Point Average (GPA)

Current Term Grade Point Average

The current term GPA appears on the unofficial transcript after each term. The sum of quality points (grade points x credits) earned within the current term is divided by the number of UNF hours attempted that term (except those hours with grades of X, I, P, S, U, NR, W, WC, WM, WS, WD and WP). The resulting quotient is the current term GPA. Example:

Course	Grade	Grade Points	X	Credits	=	Quality Points
ENC1101	A-	3.7		3		11.1
BSC1010C	C	2.0		4		8.0
MAC1105	B+	3.3		3		9.9
MAR3023	F	0.0		3		0.0
Total				13		29.0

The total of 29 grade points earned divided by 13 credits attempted equals 2.23 current term GPA.

Upper-Level GPA

The sum of all UNF upper-level quality points earned is divided by the number of all UNF upper-level hours attempted (except for those hours with grades of X, I, P, S, U, NR, W, WC, WM, WS, WD and WP, and UNF hours repeated for which the grade forgiveness or term forgiveness policy was subsequently invoked). The resulting quotient is the upper-level GPA.

Cumulative GPA

The cumulative GPA appears on the unofficial transcript after each term. The sum of all UNF quality points earned as of a particular term is divided by the number of all UNF hours attempted by the conclusion of that term (except for those hours with grades of X, I, P, S, U, NR, W, WC, WM, WS, WD and WP, and UNF hours repeated for which the grade forgiveness or term forgiveness policy was subsequently invoked). The resulting quotient is the cumulative GPA.

Total Institutional GPA

The total institutional GPA appears on the unofficial transcript after each term. The sum of all UNF quality points earned is divided by the number of all UNF hours attempted (except those hours with grades of X, I, P, S, U, NR, W, WC, WM, WS, WD and WP, and UNF hours repeated for which the grade forgiveness or term forgiveness policy was subsequently invoked). The resulting quotient is the total institutional GPA.

Total Transfer GPA

The total transfer GPA is calculated using those courses UNF considers transferable. The sum of quality points earned in transferable courses from other institutions is divided by the number of semester hours transferable from other institutions. The resulting quotient is the total transfer GPA.

Overall GPA

The overall GPA appears on the unofficial transcript after each term. The sum of all quality points earned at UNF and in transferable courses from other institutions is divided by the number of all UNF hours attempted (except for those hours with grades of X, I, P, S, U, NR, W, WC, WM, WS, WD and WP, and UNF hours repeated for which the grade forgiveness or term forgiveness policy was subsequently invoked) plus the number of semester hours transferable from other institutions. The resulting quotient is the overall GPA.

View the University's current [official policy](#).



Commencement Ceremony

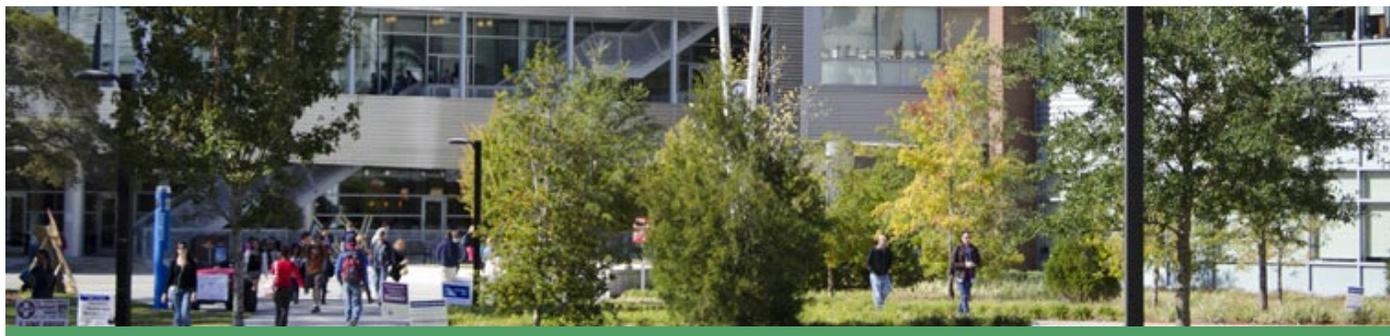
UNF's Public Acknowledgment of your Achievement

The University would like to publicly acknowledge your educational achievement, so we hope that you will attend the University's commencement ceremony. Commencement is held at the end of the fall, spring and summer C (full-term) semesters. Candidates who are eligible for graduation will receive detailed instructions from the Office of Records and Registration for participating in the ceremony, including instructions on how to obtain tickets and regalia. The number of tickets is based on the size of the graduating UNF student body and is subject to change in accordance with seating limitations in the event space. Any additional tickets that become available will be dispensed at the discretion of the University.

Please refer to the Commencement [webpage](#) for detailed information including ceremony dates and times and information regarding regalia and ticket pick up,

If a graduation ceremony is cancelled or rescheduled for any reason, the Office of Records and Registration will communicate pertinent details and any future ceremony arrangements to students eligible to participate.

View the University's current [official policy](#) on graduation ceremonies.



Dual Degrees and Double Majors

Students wishing to pursue a dual degree or double major must meet with an academic advisor before applying for graduation. Once a degree has been awarded, subsequent course work cannot be added to create a second degree, major or minor; nor may any changes be made to courses or grades except in cases of administrative error.

Double and/or Multiple Majors

Students pursuing a single baccalaureate degree and who also apply for and satisfy the requirements of two or more majors within the same college or division will be awarded two or more diplomas with all majors indicated on their permanent record/transcript.

Dual Degrees

Students pursuing two different baccalaureate degrees (e.g., BA and BS) who apply for and satisfy the requirements of both degrees will be awarded two diplomas and both degrees will be indicated on their permanent record/transcript. Students must meet the requirements for both degrees and have the approval of both colleges.

Under certain circumstances, students may be awarded a baccalaureate degree at the same time they are awarded a master's degree.

View the University's current [official policy](#).

Graduate Certificate Programs

Credit-bearing, graduate certificate programs are comprised of related courses that constitute a coherent body of study within a discipline. These programs must be approved through the University and faculty governance processes. Furthermore, these programs must establish student-learning outcomes and assess the extent to which students achieve these outcomes via the Graduate Academic Learning Compact (GALC). Additional information about the assessment of learning outcomes can be found in the [GALC policy](#). GALC must be developed for all graduate certificate programs. The number of graduate credits within a graduate certificate program cannot be less than 9 or more than half of the credits necessary for a related master's degree. Certificate programs approved prior to the implementation of this policy are exempt from these credit limitations.

To remain in good-standing, students pursuing a graduate certificate are required to meet the same academic requirements as those defined for degree-seeking students.

Graduate certificate students must meet all prerequisites for courses in which they wish to enroll.

Application of Credits towards Degree Programs

When concurrently enrolled in a graduate degree program, and with the approval of the sponsoring college, students can apply required coursework to both the graduate certificate program and, if applicable, to their chosen graduate degree program. Students cannot return for a retroactive certificate award following graduation. Students who have graduated from a degree program and wish to return to pursue a graduate certificate will need to pay a new application fee and apply to the Graduate School and the specific certificate program.

If a student later returns to UNF to earn a graduate degree, up to 12 hours of UNF credit earned as a graduate certificate student may be applied to satisfy graduate degree requirements. Any application of such credit must be approved by the graduate program and must be appropriate to the program. It should be noted that not all programs allow credit earned as part of a graduate certificate to be applied towards a similar graduate degree.

Completion of Program Requirements

Students are subject to the individual requirements of the graduate certificate program and will need to complete at least 50 percent of the required coursework in residence at the University (e.g., face-to-face, distance learning). Successful completion of the graduate certificate program will be noted on the student's official transcript separately from their degree program.

The graduate certificate is not viewed as a guarantee of admission into a graduate degree program.

Admissions to Graduate Certificate Programs

Currently enrolled UNF students who wish to pursue a graduate certificate program are required to apply through the Graduate School and be accepted to the desired program in accordance with program-specific admissions criteria. No application fee is required.

- All students applying for graduate-level certificate programs will submit an application to the Graduate School.
- The Graduate School will refer the application to the appropriate department for an admission decision.
- Each program will develop its own admission criteria for certificate programs.
- Acceptance into a graduate certificate program is dependent on student eligibility and, if required, departmental approval.

Certificate and Transcripts

Once program coursework is satisfied the student may be eligible to receive a document acknowledging completion that is separate from a diploma conferral. Printing and conferring all completion documents from University certificate programs will be the sole responsibility of the Office of Records and Registration. All materials required to print and package the completion documents will also be housed within the Office of Records and Registration.

View the University's official policy for [Graduate Certificates](#).

Graduate Dual International Degrees

All dual graduate degrees offered through joint, cooperative, or collaborative academic arrangements between UNF and international institutions must meet the following requirements:

1. The minimum number of graduate credit hours required is 48 hours;
2. Students must earn a minimum of 50% of the total number of credit hours, including the international coursework, from UNF;
3. The graduate GPA includes all graduate credits taken as part of the degree including those from the international institution(s).
4. In an effort to provide accurate student transcripts, UNF will include course names and grades on the students' UNF transcripts for all degree-required, earned credit courses that are transferred into UNF as part of pre-approved international programs operating under collaborative academic arrangements. Courses listed will be printed under a header indicating that they are part of a university-approved program.

Any program approved prior to fall 2010 (GlobalMBA, Ibero-American MBA) is exempt from item 1 and 2 listed above

View the University's official policy on [Graduate Dual International Degrees](#).



Multiple Minors

In consultation with their academic advisor, undergraduate students may pursue multiple minors. Policies for multiple minors may vary by college (refer to college sections). Students must meet with their advisor to officially declare their minors and to ensure that the selected minors will be recorded on their program of study and University transcript. Students must adhere to minor requirements specified by the college offering the minor.



Latin Honors Distinction

Provided that at least forty-eight (48) semester hours of coursework have been completed at UNF (30 hours for RN-BSN students), undergraduate students who graduate with the following institutional grade point averages will receive the corresponding Latin Honors distinctions:

Latin Honors Distinctions

GPA	Latin Honor
3.50 to 3.64	cum laude
3.65 to 3.79	magna cum laude
3.80 or higher	summa cum laude

GPA calculations for Latin Honors will be based on all credits earned at UNF.

A minimum of thirty (30) hours is required for Latin Honors in a second baccalaureate degree. Only courses taken after receipt of the first baccalaureate degree will be calculated in the Latin Honors GPA for a second baccalaureate degree.

For the purposes of Latin Honors, students graduating from accelerated BS-MS programs, where both degrees are conferred simultaneously, will be considered as undergraduates under this policy. Transfer students must have the minimum Latin Honors GPA (3.5) prior to the term of graduation and must be taking enough credit hours during the term of graduation to bring them to the required 48 UNF hours needed to qualify for Latin Honors (30 for BSN). Students with a formerly reported and founded incident of academic misconduct are ineligible for the Latin Honors designation. Students do not have the right to appeal their ineligibility for Latin Honors if they did not pursue an appeal for the allegation of

misconduct at the time it occurred or if that appeal was denied. See the University policy on [Academic Misconduct](#).

Latin Honors is not available to graduate students.

Criteria Determination

Latin Honors are electronically calculated based on the criteria stipulated in the University catalog under which a student is meeting degree requirements. Typically, the catalog year reflects the academic year in which the student was admitted; however, this may change if the student broke continuous enrollment and is re-admitted under a different catalog.

Exceptions

On occasion, a student may be pursuing a degree program that is being phased out or has been drastically altered. The only alternative for the student is to switch to the degree requirements stipulated in the current catalog. Because the change of degree requirements is beyond the student's control, the student can petition for coverage by the catalog under which they were last admitted. If a student believes an exception may be warranted, they may contact their academic advisor.

Recognition of Latin Honors Distinction for Graduates

Baccalaureate degree candidates who will have accumulated forty-eight (48) hours at UNF (30 hours for RN-BSN students) by the end of the term of graduation and have the appropriate GPA prior to the term of graduation will be eligible to purchase a gold honor cord at the time they pick up their regalia from the UNF Bookstore. Honors candidates will be asked to stand for recognition during the ceremony and will be specially recognized in the printed Commencement Program (provided they have elected to have their names included in the [program](#)). Candidates who will have earned Latin Honors after the current term's grades are recorded will have honors posted on their diploma and transcripts (baccalaureate degree only).

View the University's current [official policy](#).

Posthumous Baccalaureate Degree and In Memoriam Degree

A Posthumous Degree at the bachelor's level recognizes academic work completed by a student who has made progress toward completion of a degree. In order to receive a Posthumous Degree, the student must have achieved senior status, must have been in good standing at the University of North Florida, and must have met UNF residency requirement or have been enrolled in courses sufficient to meet the residency requirement.

An In Memoriam degree allows for recognition of a student's connection to the University of North Florida regardless of his/her progress toward completion of degree requirements. In order to receive an In Memoriam degree, the student must have been enrolled in a degree program at the time of their death. The University may choose to make this award to other deceased previously enrolled students.

At the master's and doctoral levels, the faculty of the respective programs will determine the policies and procedures for awarding Posthumous/In Memoriam Degrees.

The request for the degree can be initiated by a family member or friend or upon the recommendation of the faculty. The department chair then forwards the request and provides a rationale for awarding the degree to the Registrar's Office.

In the case of a Posthumous Degree, a family member, friend, or designee may elect to accept the diploma at the commencement ceremony as well as receive the student's official diploma.

If at all possible the student's name will appear in the commencement program indicating "degree awarded posthumously." This information will also appear on the official transcript. Course work in progress at the time of death will be listed on the transcript with a (WD) for withdrawal -deceased.

View current University policies for [undergraduate](#) and [graduate](#).



Graduate Degree Completion Within Six Years

Students must submit a formal graduation application via MyWings by the deadline date listed in the Academic Calendar published online.

Work required for a degree must be completed and certification of completion must be posted in the UNF student record system prior to the college approving the candidates for their degrees. For all course work completed at institutions other than UNF, official transcripts are the only acceptable certification of completion. For applicable transcripts to be posted prior to the UNF certification deadline in a given semester, they must be received by the Graduate School on or before the last day of UNF final examinations for that semester. Students who intend to complete course work at another institution to satisfy UNF degree requirements must obtain formal approval and complete the courses prior to the term in which they intend to graduate to ensure sufficient time to process the transcript.

Graduation requirements published in the catalog at the time the student enters UNF are those which must be satisfied. All coursework for a graduate or post-baccalaureate professional degree must be completed within six years of a master's-degree-seeking student being admitted to a graduate program. All course work for a doctoral degree must be completed within eight years.

View the University's [official policy](#).

Credit Validation for Course Work Completed more than Five Years Ago

UNF requires that a student who has taken courses at UNF or

elsewhere more than five years prior to the completion of a graduate degree program or admission to candidacy for the doctoral degree must petition his or her graduate program director to validate these courses before the Graduate School will apply them toward the student's fulfillment of degree requirements. Graduate program directors have the authority to require the student to demonstrate his or her knowledge of the material covered in those courses.

Individual colleges and programs may have more restrictive policies concerning course validation. Check with your graduate program director.

Posthumous Graduate and In Memoriam Degree

In order to award a full graduate degree posthumously to a deceased student, the student must have completed at least 66% of their graduate program, must have been in good academic standing, and must have met UNF residency requirement or have been enrolled in courses sufficient to meet this requirement.

An In Memoriam degree recognizes the student's connection with the University regardless of his/her progress toward completion of degree requirements. In order to receive an In Memoriam degree, the student must have been enrolled in a graduate degree program at the time of their death. The University may choose to grant this award to previously enrolled graduate students who are now deceased.

Requests for the Posthumous or In Memoriam degree can be initiated by a family member or friend or by faculty recommendation. The Department Chair is responsible for approving and nominating the awarding of a posthumous or In Memoriam degree to the Dean of the Graduate School. The Dean of the Graduate School is responsible for final review and approval and for coordinating with the UNF Registrar to have the degree awarded.

View the University's current [official policy](#).



Associate in Arts Degree Requirements

Students who wish to receive the associate in arts degree must:

1. Complete requirements for the degree by the deadline date listed in the Academic Calendar.
2. Fulfill the college-level communication and computation skills requirements of SBER 6A-10.030.
3. Complete 60 semester hours with a 2.0 GPA including the 36 credit-hour general education program requirements outlined under the freshman/sophomore general education program.
4. Complete a minimum of 30 credit hours in residence at UNF. These hours may come from general education requirements or electives.
5. Satisfy State of Florida civics literacy requirement. Note: This requirement pertains to students entering UNF in 2020 forward who are subject to civics literacy pursuant to s. 1007.25.
6. Satisfy State of Florida foreign language admission requirement. Note: This requirement pertains to students initially entering a Florida College System institution or the State University System in 2014-2015 and thereafter. Coursework for an associate in arts degree shall include demonstration of competency in a foreign language pursuant to s. 1007.262.
7. Pay all financial obligations to the University.

A student may not apply for an associate in arts degree during the same semester as applying for their bachelor's degree.

View the University's current [official policy](#).



Baccalaureate Degree Requirements

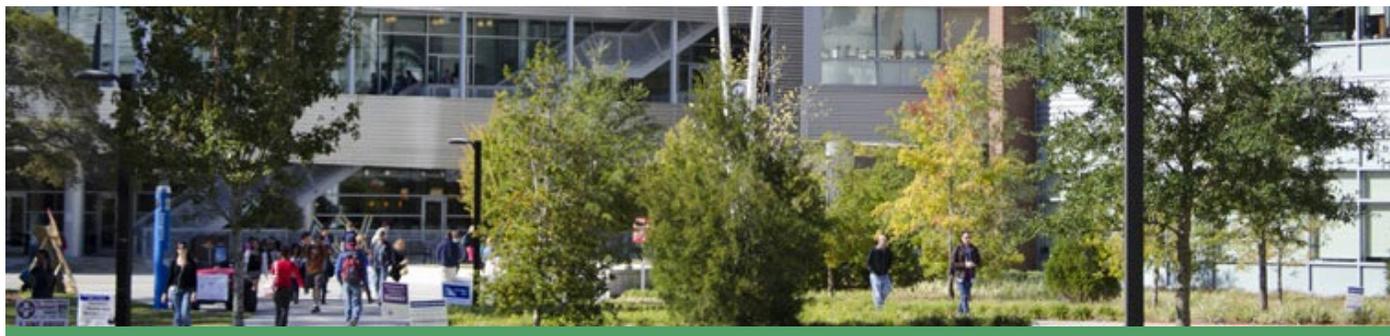
Graduation from UNF is awarded upon satisfactory completion of the following minimum requirements:

1. Apply for graduation by the deadline indicated in the Academic Calendar.
2. Faculty recommendation: Each candidate must be recommended for the degree by the appropriate college faculty.
3. Total hours: A minimum of 120 credit hours must be completed for the baccalaureate degree.
4. Course requirement: Each candidate must successfully complete all degree requirements as outlined in the University catalog and program of study.
5. Upper-level hours: A minimum of 48 upper-level credit hours (30 for RN-BSN) or higher must be completed. Upper-level courses are those designated as junior- or senior-level work by the issuing institution.
6. Residence hours: Students must complete a minimum of 25 percent of the overall required credit hours and half of the required major courses at UNF for the degree sought at UNF. The appropriate department may decide on a higher percentage of credit hours and/or a higher percentage of major courses completed at UNF and may define "major courses."
7. All incomplete and non-reported grades must be resolved in order to graduate.
8. Upper-division undergraduate credit hours obtained while enrolled in an approved UNF study abroad program will be counted in the upper-level credit hours required to obtain a baccalaureate degree provided the instruction is offered by approved UNF faculty.

9. Summer enrollment: Pursuant to the Florida Board of Governors regulation 6.016 Summer Session Enrollment, all students entering a university in the State University System with fewer than 60 semester hours shall be required to earn at least nine semester credit hours in one or more summer sessions at one of the state universities in Florida before graduation. The university president or their designee may waive the application of this regulation in cases of unusual hardship to the individual. UNF students may request a waiver for this requirement through the Student Petition of Academic Policy (SPAP) process.
10. Academic average:
 - a. UNF — A minimum total Institutional GPA of 2.0 on a 4.0 scale must be earned as stated in the "Academic Average (GPA) Policy." (2.5 for most College of Education and Human Services majors) AND
 - b. A minimum overall GPA of 2.0 on a 4.0 scale must be earned, as stated in the "Academic Average (GPA) Policy." (2.5 for most College of Education and Human Services majors)
11. General Education Program: The appropriate general education program requirements must be completed
12. Financial obligations: Students must pay all financial obligations to the University.
13. Foreign language requirement: Students must meet the provision of Florida Statute 1007.262 regarding the statewide foreign language requirement. Students must have completed two sequential foreign language courses in high school or at the postsecondary level (8 semester hours). American Sign Language I and II is an approved sequence per Florida Statute 1007.2615.

All requirements stated in this section are minimums and are not meant to limit the planning of a degree program for any student.

View the University's current [official policy](#).



Second Baccalaureate Degree

Students wishing to obtain an additional baccalaureate degree must have an established program of study and meet certain requirements for the degree. This includes completion of 30 credit hours of upper-level coursework (or higher) in-residence at UNF. Certain programs may allow a different number of in-residence credits, as appropriate. Second baccalaureate degree students must also complete at least 50% of their required major courses in-residence at UNF. A department may decide on a higher percentage of major courses and may define "major courses".

Courses used in a prior degree will not be used to satisfy second baccalaureate degree requirements, however departments may waive certain requirements based on a prior degree, as appropriate. Courses taken more than 10 years prior will not count toward any degree requirement, including prerequisites, for a second baccalaureate degree; however, a department may establish a different course age threshold, as appropriate.

Students holding a baccalaureate degree from a regionally accredited U.S. institution are considered to have completed general education program requirements. To be considered as having met general education requirements, students who hold degrees from foreign institutions must submit a course by course evaluation performed by a NACES accredited foreign credentials agency that indicates US degree equivalence.

Students earning a second baccalaureate degree may qualify for Latin Honors Distinction.

For additional information, please contact Records and Registration.



Graduation Checklist for a Graduate Program

You must satisfy both the general university requirements and your program's specific requirements. If you can answer yes to the following questions, you should be eligible to graduate. You should consult your Graduate Program Director and program guidelines for additional information.

Requirements:	Yes	Not Yet
1. Have you submitted your online graduation application by the published deadline?		
2. Have you, or will you have, completed your approved program of study?		
3. Have you, or will you have, maintained an overall graduate GPA of 3.0 or higher?		
4. Have you completed all coursework within the specified time limits? If not, have you completed a Student Petition of Academic Policy?		
5. If you have completed coursework at other universities, have you made sure that the Graduate School has received an official copy of your transcripts by the posted deadline along with a Transfer of Credit Request?		
6. Have you, or will you have, successfully completed all culminating requirements, exclusive of scheduled classes – including the thesis, a non-		

thesis project, or a master's examination – by the posted deadline?		
7. If you have written a thesis, have you satisfied all department and college requirements? And met the Graduate School thesis submission requirements?		
8. Have you satisfied all your financial obligations to the University		



Disciplinary and Academic Misconduct Transcript Notations

Expulsion and Suspension from the University for student disciplinary reasons are sanctions outlined in the Student Conduct Code, which is published in the Student Handbook. Expulsion and Suspension from the University for academic misconduct reasons are sanctions outlined in the [Academic Misconduct Policy](#).

Expulsions for disciplinary and/or academic misconduct may be noted permanently on a student's transcript. Suspensions for disciplinary and/or academic misconduct may be reflected on the transcript during the period in which the suspension is in effect.



Transcript Ordering

Students may order a transcript online from [Parchment](#) through their [myWings](#) portal or they may order directly from [Parchment](#). Requests submitted through [Parchment](#) are paid via credit or debit card. Regular transcripts are \$8 per copy plus a \$2.50 service fee. Requests for expedited delivery via FedEx are subject to additional fees as outlined on the [Parchment](#) ordering site.

In keeping with [Florida Statute 1009.26 \(17a\)](#), the University of North Florida will waive the transcript fee for a person who is active duty or an honorably discharged veteran of the United States Armed Forces and their spouse and dependents. Students who qualify under these categories must email records@unf.edu using the subject line "Military Transcript Request." Supporting documentation of military affiliation must also be provided.

Transcript requests will not be processed for students who have outstanding financial obligations to the University or who have other hold(s) on their accounts preventing the release of transcripts.

Please note: One-Stop Student Services cannot supply official copies of students' standardized test scores or transcripts from other schools attended. Students must request scores and transcripts directly from those agencies or institutions.

For the most up-to-date information refer to the [Transcript Request webpage](#).

UNF Policy for Transmittal and Receipt of PDF Transcripts

The University of North Florida will set criteria regarding the third party vendors who will transmit student transcripts on behalf of the University. These criteria will also apply to transcripts sent to UNF from a participating institution registered with an approved third party vendor. To become an approved third party vendor, the following criteria must be met:

- The vendor must provide documentation attesting to FERPA compliance.
- The vendor must comply with UNF's official [policy](#) for transmittal and receipt of PDF transcripts.
- The vendor must provide electronic security features including, but not limited to, "watermarking" the PDF, electronic shredding options and time and date stamping.
- The vendor must be approved by the Director of Admissions or designee and the University Registrar or designee who will act on behalf of the Student Records Committee.

Received transcripts will be considered official for student evaluation purposes only when accessed by a designee of the Admissions or Registrar's office.

View the University's [official policy](#).

Undergraduate Collaborative Programs Transcript Printing

UNF Undergraduate Collaborative Programs offer undergraduate students the opportunity to earn two bachelor's degrees while taking classes at both UNF and an approved partner institution. The innovative nature of the programs require a transcript format that accurately reflects the student's coursework and the program's curriculum.

The University of North Florida will print the course names, the course grades (converted to the UNF grading scale), and the name of the partner institutions. The transcript will display the information as transfer coursework that is part of a University-approved program. The UNF undergraduate collaborative program administrator is responsible for ensuring that all participating student records are accurate and current at the time of printing. Coursework will be updated once the official transcripts from the specified institution have been evaluated. Students in collaborative degree programs are still required to pay the transcript fee when ordering official transcripts.

Note: UNF currently offers the following collaborative degree programs:

- [KEDGE-UNF](#)
- [Valencia-UNF](#)
- [Bremen-UNF](#)
- [Alicante-UNF](#)
- Edward Waters College and UNF College of Computing, Engineering, and Construction



Tuition and Fee Refund

The University's fee refund procedures can be viewed at the [UNF Controllers office website](#). Refunds of 100 percent will be issued for each course dropped before the close of the add/drop period indicated in the [UNF Academic Calendar](#). Students can drop courses online via their myWings web portal or in person by visiting One-Stop Student Services located in Building 53-Hicks Hall. A 100 percent refund will be made for University cancellation of courses or denial of a student's admission to a course. Courses dropped within this period will not appear on the student's transcript.

After the close of the add/drop period, students who completely withdraw from the University by the published deadline will receive a 25 percent refund if the student's recorded withdrawal is on or before the date indicated on the University's [UNF Academic Calendar](#) as the last day to receive a 25 percent refund. However, written, email notice of withdrawal via the student's UNF email may be given by the 25 percent refund deadline. This 25 percent refund applies only to fall, spring, and full term (C session) summer. There is no refund for a partial withdrawal after the add/drop period or for Summer A and B terms.

Refunds of 100 percent of tuition may be granted in instances of withdrawal from the University under the following conditions provided written explanation and supporting documentation are submitted to the appropriate University Office:

1. Student's involuntary call to active military duty.
2. Death of the student or a member of the student's immediate family (parent, spouse, child, sibling, grandparents).
3. Incapacitating illness of such duration or severity that completion of the term is impossible. Must be confirmed in

writing by a licensed physician, .

4. A situation in which the University is in error.
5. Other documented exceptional circumstances beyond the control of the student which precluded completion of the course(s), accompanied by supporting documentation.

Fee petitions: students or someone acting on the student's behalf with written authorization, must file within six (6) months of the close of the semester to which the refund or action is applicable. Special requests for an extension of the six (6) month deadline must include specific facts indicating special circumstances which (i) were beyond the control of the student (ii) clearly impaired the student's physical or mental ability to correct their academic/financial record at the University (iii) are supported by written explanation and verifiable documentation. Petitioning for a refund is not a guarantee that a refund will be approved. Tuition fee refunds provided to students will be processed against any outstanding tuition assessments prior to remitting a refund to the student.

The fees listed below may only be waived for certain reason such as documented University error, documented administrative error, or documented extraordinary circumstance, such as a severe illness, a death in the family or natural disaster. Additionally, supporting documentation is required and tuition must be paid prior to submitting a request to waive a late payment fee. The late payment fee will not be waived due to: lack of funds, unawareness of deadlines, unawareness of acceptable payment types, or Internet connectivity issues.

1. Repeat Surcharge
2. Excess Hours Fee
3. Miscellaneous fees such as Orientation, ID, WOW, A&S fees, Return Check Fees, etc.
4. Late payment, late registration, and re-registration fees

View the University's [official policy](#) on special fees, fines and penalties as they relate to tuition and fees.

General Education Program

General Education Quick Links

Educational Purpose

The overarching educational purpose of the General Education program is to provide students with opportunities to acquire and reinforce key intellectual competencies in:

- Writing effectively;
- Thinking critically;
- Reasoning and analyzing quantitatively; and
- Understanding and using the scientific method.

Students also have the opportunity to participate in experiential and integrative learning as part of their General Education coursework, including Transformational Learning Opportunities (TLOs), Community-Based Learning, Study Abroad experiences, or internships.

These competencies involve a complex set of skills that prepare students for specialized study in the major and the still more specialized study required at the graduate level. They are also the backbone of lifelong learning. What is more, as both educators and business leaders alike emphasize, these competencies are essential preparation for success in a world that relies on the ability to communicate expertly combined with highly developed skills in analyzing complex problems, scrutinizing their implications, and arriving at smart solutions.

Competencies Developed through the UNF General Education Curriculum

General Education courses provide opportunities for students to develop the competencies central to our curriculum. Students take many paths through the UNF General Education Program, depending on their interests and academic goals. Regardless of the specific paths students take, they all have multiple opportunities to develop the skills central to the curriculum. These skills are broadly transferrable, and both faculty and students in the General Education Program are encouraged to consider how General Education competencies can be used in diverse academic, professional, and civic contexts.

- [Program Requirements \(Competencies and Outcomes Course Options\)](#)
- [State Civic Literacy Requirement](#)

Writing Effectively: Students completing the UNF General Education Program will be able to produce writing that clearly addresses audiences and purposes; identify and use relevant and reliable source materials; and compose documents that adhere to generally accepted standards of English usage and stylistic standards of discipline-specific writing tasks.

- Thinking Critically: While Critical thinking is integral to all UNF General Education courses, we give these skills particular emphasis in courses in Humanities, Social Sciences, and Diversity and Difference.
 - Through Humanities and Social Sciences courses, students learn to explain and apply discipline-specific concepts; examine behavioral, social, and cultural issues from various points of view; analyze, evaluate, and appreciate cultural artifacts (such as texts, music, artworks, media productions, architecture); investigate the role of technology in shaping culture; examine different cultural traditions, institutions, and political and economic systems; use different qualitative methods of inquiry, and different kinds of argumentation and evidence; and reflect critically upon the human condition and experience.
 - Through courses in Diversity and Difference, students learn to critically reflect on their own social positions or cultural backgrounds; investigate systems that produce social inequality or cultural difference; articulate the perspectives of others; and apply knowledge of diversity and difference to issues outside the classroom.
- Analyzing and Reasoning Quantitatively and/or Using the Scientific Method: Students will be able to determine appropriate mathematical and computational models and methods in problem solving; understand mathematical, statistical, and computational concepts; apply mathematical and computational models and methods in problem solving; critically examine and evaluate scientific observation, hypothesis, and model construction; understand fundamental concepts, principles, and processes about the natural world; and use the scientific method to explain the natural world.
- Students who pursue an experiential or integrative learning opportunity will reflect critically on the transformative effects of a Community-Based Learning, Study Abroad, internship, or other such experience, considering how the experience led them to change their beliefs, attitudes, understanding, or behavior in some significant way. They should demonstrate

enhanced critical thinking skills as they consider and communicate how different types of knowledge relate to one another.

Assessment of Student Learning

The General Education program seeks to give students direct feedback about the extent to which they have developed the ability to write well, think critically, analyze and reason quantitatively, use the scientific method, and apply their knowledge in real world situations. To this end, faculty in the General Education Program aim to provide students with opportunities to learn how to reflect critically on their own work. They also assess student performance on key learning outcomes to learn where students succeed and struggle, and why. This allows us to continually improve our General Education curriculum.

Requirements

[Current General Education Program Requirements](#)

[Previous General Education Program Requirements: 2019-2020 and Earlier](#)

Graduate Interdisciplinary Programs

Interdisciplinary graduate programs provide opportunities for students and faculty to advance beyond a traditional program and work collaboratively across disciplines. These programs draw on expertise from diverse academic fields and allow students to explore specialized research and scholarship.

Master of Science in Materials Science and Engineering



The Master of Science (MS) program in Materials Science and Engineering (MSE) is an interdisciplinary graduate program that brings together more than twenty UNF faculty from Biology, Chemistry, Physics, Electrical Engineering, and Mechanical Engineering who all have research interests related to materials. The program is jointly administered by the College of Arts and Sciences and the College of Computing, Engineering, and Construction. Each graduate student in the program will complete a core curriculum and conduct significant original research under the guidance of a faculty mentor, culminating in the completion and defense of a master's thesis. The program is designed to prepare students for technical employment or for a doctoral program. Materials Science and Engineering courses are searchable under the Department of [Physics](#).

Approved Curriculum

Major Requirements (12 credits)

The Materials Science and Engineering master's degree consists of 30 credits and requires a thesis.

- EMA5104 Adv Materials Principles I (3 Credits)
- EMA5114 Adv Materials Principles II (3 Credits)

Prerequisite: EMA 5104 Advanced Materials Principles I

- EMA5504 Materials Characterization (3 Credits)
- EMA5814 Modeling & Sim of Materials (3 Credits)

Experiential Learning (18 credits)

Every Materials Science and Engineering master's student is required to complete a total of 17 credits of the variable-credit course Graduate Thesis Research as well as the one credit Graduate Thesis Defense. A thesis committee must be established and the thesis proposal must be approved by the committee before more than 6 credits of Graduate Thesis Research have been completed. Graduate Thesis Defense should be taken in the student's final term.

- EMA6971 Graduate Thesis Research (1-9 Credits)
- EMA6973 Graduate Thesis Defense (1 Credit)

Additional Admission Criteria

- Letter of intent
 - Should be one to two pages in length and discuss the applicant's academic background, research interests, and academic and professional goals. The letter of intent should also identify the planned research advisor; prior to applying, students are expected to have made arrangements with a member of the program faculty who has agreed to serve as their research advisor if admitted.
- Three letters of recommendation
 - Must be from faculty members or professional references who are familiar with the applicant's academic and/or research potential

Special Notes

Admitted students will normally have completed a bachelor's degree in the natural sciences or engineering prior to beginning the MS program. Applicants with bachelor's degrees in other areas may be admitted based on an evaluation of their academic background by the Admissions Committee.

Honors in the Major

Brooks College of Health

Honors in the Major Exercise Science



Admissions and Requirements Criteria

Requirement for admission to Honors in the Major in Exercise Science are:

- completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours at the University of North Florida;
- at least 3.5 GPA within the major and at least 3.2 GPA in all upper-division courses regardless of Institution.

Honors in the Major in Exercise Science is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Direct Independent Studies course work as determined by the student's honors thesis advisor and at least three but no more than 12 hours of Honors Thesis or Project works taken in Exercise Science.

In addition, the Department may (but is not required to) ask students to also complete IDH3922 - Thesis Research Prospectus Colloquium: 1 hour and/or IDH 3920 Thesis Symposium Colloquium: 1 hour.

Two courses were created to facilitate this request: APK 4912 Directed Independent Study-Honors in Exercise Science Research (3-6 Credits) and APK 4971 Directed Independent Study-Honors in Exercise Science Thesis (3-12 Credits).

Honors in the Major Nursing



Outstanding undergraduate nursing majors are eligible to apply for Nursing Honors program. To be eligible, candidates must: 1. Have a nursing prerequisite GPA of 3.5 on admission to the School of Nursing; 2. Have completed the first semester nursing courses with a 3.5 GPA; 3. Maintain a 3.5 GPA in the nursing program; and 4. Apply for admission to the Honors in the Major: Nursing at least two semesters prior to graduation. Candidates are awarded the designation of "Honors in Nursing" at graduation provided they have met their proposed Honors in Nursing plan successfully. In order to apply, candidates must write a letter to the Director of the School of Nursing that describes their interest; identifies a willing faculty member with whom they would like to work; and explains the professional and or personal goals the plan will meet and which activities they will use to obtain Honors.

Admissions and Requirements Criteria

Eligibility Criteria

- For acceptance into Nursing Honors
 - 3.5 pre-requisite GPA on admission to the School of Nursing
 - RPL, APL and RN-BSN successful completion of the first semester of nursing with a 3.5 GPA
 - FAN: successful completion of first clinical semester with a 3.5 GPA
- For continuation in Nursing Honors
 - Maintenance of a 3.5 GPA throughout the nursing program

Admission/Application:

- Honors work proposal- identification of anticipated activities and timeline
- Letter of support from faculty mentor

Must meet all 3; each item may only be counted once

1. Enroll in 1-3 credits of NUR 4915 Honors Research in Nursing.
 - Suggested sequence is 1 credit per semester for 3 semesters of the nursing program starting in Semester 2 or 3.
 - Under the direction of the faculty mentor:
 - Semester 2 or 3: develop a research, evidence-based practice or quality improvement proposal
 - Semester 3 or 4: implement the research, evidence-based practice or quality improvement proposal
 - Semester 4 or 5: evaluate and present results (present in an appropriate venue as determined by the mentor, i.e., SOARS, STARS, etc.)
 - OR a sequence as determined by the faculty mentor
2. Complete any 2 of the following (#s A-H): [be able to tie to your research in some way]
 - A. Study abroad in nursing or health [either for credit or not]
 - B. Nursing specialty course [3-credit elective]
 - C. Externship [paid or unpaid]
 - D. Complete a 3-credit course from Hicks Honors College with a B+ or better
 - E. Complete a minor with a 3.5 GPA
 - F. Author or co-author a published article
 - G. Make a paper or poster presentation at a state or national meeting
 - H. Participate in 2 of the following [this counts as 1 of the 2 for requirement #2]
 - Case Competition Teams in the Brooks College of Health
 - Other inter-professional health-related activity as approved by faculty mentor
 - Make a paper or poster presentation at a regional meeting

- Draft and present a resolution to NSNA, FNSA

3. Submit an e-portfolio documenting completion of requirements through the university

Coggin College of Business

Honors in the Major Accounting +

Admissions and Requirements Criteria

- Must have an Accounting GPA at UNF of 3.5.
- Must be a member of any Accounting Honor Societies that the Department of Accounting and Finance recognizes.
- Must complete at least 2 of the following five activities:
 - ACG4956: Study Abroad in Accounting or spend a Semester Abroad through the Coggin College of Business.
 - ACG4941: Accounting Internship.
 - ACG4901: Directed Independent Study in Accounting.
 - Serving as an Accounting Supplemental Instructor for at least 1 semester.
 - An Honors thesis in Accounting (this may count for two activities if it is 6 credit hours).

Honors in the Major Business Management +

Admissions and Requirements Criteria

- Be a CCB Business Management Major.
- Must have an upper level courses GPA of 3.5 or higher
- Must complete two of the following seven activities:
 1. Internship in Management (MAN 4940 HR Mgt, MAN 4942 General Mgt)
 2. SI for Leaders - Supplemental Instructor for Management
 3. Study abroad in management – MAN 4956, or any MAN Study Abroad
 4. Management Club Officer (SHRM or Entrepreneurship or other clubs if added)
 5. Peer to Career Mentor
 6. Executive Mentor Program
 7. SOARS – Research Project and Presentation (could be from DIS also)

Honors in the Major Economics +

Admissions and Requirements Criteria

- Completion of at least 60 credit hours of college credit, including at least 12 graded upper-division hours at the University of North Florida
- A minimum of 3.5 GPA within the major
- A minimum of 3.2 GPA in all upper-division courses regardless of Institution

Must complete the following requirements:

Upon admission to Honors in the Major, the student may be asked to complete IDH3922: Thesis Research Prospectus Colloquium (Optional): 1 hour

- ECO4903 Direct Independent Study Honors in Economics Research: 3 credit hours
- ECO4970 Direct Independent Study Honors in Economics Thesis: 3 credit hours
 - Prerequisite: ECO4903

Honors in the Major International Business



Students enrolled in this program will have to perform at a high academic level, complete a series of extracurricular activities, experience abroad and write a report to reflect on these many experiences. The Honors in the Major will provide an avenue for those students that go beyond what is expected for majors in International Business.

Admissions and Requirements Criteria

Students majoring in International Business will be eligible to graduate with Honors in the Major upon completion of the following requirements:

- Must have an overall GPA or UNF GPA (whichever is higher) of 3.4 or higher
- Students must either:
 - Spend at least one semester abroad at a partner University, or
 - Complete an IB internship abroad
- Coggin Delegation: students will complete at least two semesters of active participation in Coggin Delegation
- Self-reflecting document: students will produce a document where they will reflect on their intercultural experience both abroad and on campus. This report will be evaluated according to the main results from intercultural experiences (See table below). Students should provide evidence of these activities during their experience abroad and on campus.

Honors in the Major Marketing



Admissions and Requirements Criteria

- Must have an overall GPA or UNF GPA (whichever is higher) of 3.5 or higher.
- Must be an active member for at least two semesters of an active approved business club or society.

Must complete the following requirement:

- MAR3930 Selected Topics in Honors in Marketing (3 credits)
- Service requirements of at least 100 hours served, in an approved capacity
- MAR4941: Internship in Marketing and Supply Chain Management (3 credits)

College of Arts and Sciences

Honors in the Major Art History



The Honors in the Major in Art History is available by application or by invitation to advanced students in the major who seek to pursue the challenge of original research in the discipline. This program is recommended to those students who plan to pursue a graduate degree in Art History.

Admissions and Requirements Criteria

To earn Honor in the Major in Art History, students whose applications are approved (or accept the program invitation) must:

1. fulfill the requirement of the major with a 3.2 GPA in their major courses
2. successfully complete 14 credit hours (the beginning and intermediate sequences) of a foreign language (prefixes include: CHI, FRE, GER, and SPN)
3. successfully complete Art History Practicum and Honors Thesis project in ARH Senior Research Seminar and present their research at a conference, such as SOARS, SECAC (Southeastern College Art Conference), or other avenues for presentation.

Students who complete these requirements will have Honors in the Major noted on their transcript and diploma. For further information, please contact Art History Honors in the Major faculty mentors.

Honors in the Major Biology



Admissions and Requirements Criteria

Biology majors must maintain a cumulative GPA of 3.5 or higher. Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major Chemistry



The Honors in the Major in Chemistry is available by application (or invitation from faculty) to advanced students who have demonstrated a commitment to chemical research (at least four hours) and seek the challenge of continued chemical research by completion of an additional three to four hours of research involving an honors thesis. These additional hours may be demonstrated by completion of CHM4911 or equivalent work (e.g. summer research via award or grant funding) as judged by the research mentor. This program is especially recommended to students who are considering furthering their studies with graduate work or fields of employment where experience on a sustained academic project would be beneficial.

Admissions and Requirements Criteria

To earn Honors in the Major in Chemistry, students whose applications are approved must fulfill the requirements of the major with a 3.3 GPA in their major courses as well as a cumulative 3.0 GPA. Students must also satisfactorily complete an honors thesis (written report with complete set of data) under the direction of a faculty advisor that is independently reviewed by another faculty. Students must present the project at a conference such as SOARS, FAME, or ACS national conference. The student must demonstrate mastery of laboratory practices (e.g. notebook, safety, ethics) as well. Students who complete these requirements will have Honors in the Major noted on the transcript and diploma. For further information and/or an application form, please contact the Chemistry Department Chairperson.

Honors in the Major Criminal Justice



Admissions and Requirements Criteria

Outstanding criminal justice majors who are interested in graduating with the designation of “Honors in Criminal Justice” may apply for admission to the Criminal Justice Honors Program. Application should be made two semesters prior to graduation

- Admission requirements:
 - Criminal Justice majors must maintain a cumulative GPA of 3.67 or higher.
 - Junior or senior standing
 - Completion of CCJ3603 and SYA3300
 - A letter of application to the Criminal Justice faculty, including a discussion of career plans and proposed research to be conducted for the Honors research project and securing sponsorship of a member of the Criminal Justice faculty to serve as the supervisor of the Honors research project.

Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major English



Admissions and Requirements Criteria

English majors must have an overall UNF GPA of 3.4 (or higher) or be admitted at the chair's discretion. Once in the program, they must complete two experiences that fall within the following six categories.

- complete a research project, or a creative project, in a 3000- or 4000-level course with the prefix AML, CRW, DIG, ENC, ENG, ENL, FIL, LIT, THE, TPP, and present it in a public venue as part of a presentation that is not already a requirement of that course;*
- participate in a study-abroad trip led by a member of the UNF English or Foreign Languages and Cultures faculty or a semester-long experience involving upper-level coursework in English, either through a UNF exchange, a third-party provider, or direct enrollment at a foreign university;
- complete an internship for academic credit through the course DIG 4944 (Digital Humanities Internship), ENC 4940 (Writing Internship), FIL 4945 (Film Production Internship), or complete an independent research project supervised by a faculty member in the context of ENG 4930 (Directed Independent Study in English);
- complement the major in English with a minor in one of the following areas: African-American Diaspora, Creative Writing, Digital Humanities, Film, Literature, Writing Studies, Spanish, French, or Chinese;
- complete at least 40 hours of participation in leadership or service activities through involvement with the UNF chapter of Sigma Tau Delta (the International English Honor Society), Talon Review, Flock, EAT Poems, Swoop Troupe, or other on-campus clubs or community organizations and institutions;**
- complete an option in consultation with the chairperson of the Department of English.

Honors in the Major History



Admissions and Requirements Criteria

History majors must maintain a cumulative GPA of 3.5 or higher. Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major International Studies



The Honors in the Major in the Bachelor of Arts in International Studies is available by application to students who seek to enhance their undergraduate experience and document a high level of achievement in this interdisciplinary degree program.

Admissions and Requirements Criteria

To earn honors in International Studies, students whose applications are approved must fulfill the requirements of the major with a 3.4 GPA in their major courses, must earn a minimum grade of B in INS4930 International Studies Senior Research Seminar, and must complete at least three experiences that fall within the following categories: 1) internships undertaken for academic credit through the International Studies Program (or through other programs, pending approval by the director of International Studies); 2) study abroad experiences that entail at least 6 hours of academic credit (generally UNF semester-long exchanges or faculty-led summer semester programs); 3) graduate-level courses, and 4) research supervised by a faculty member in the context of a directed independent study (subject to the International Studies Program's policy on directed independent studies).

A student may count multiple activities within any of the first three categories--in other words, a student could do multiple internships, qualifying study abroad experiences or graduate-level courses. Only one directed independent study will be counted, however. Additional options may be available, in consultation with the director of the International Studies Program.

As each of the categories stated above involves an activity that bears at least three hours of credit, the minimum number of hours associated with Honors in the Major for International Studies will generally be nine. In most cases, however, these will not represent additional hours, as internships, study abroad coursework, directed independent studies and relevant graduate-level coursework, if planned properly, can all count as elective coursework for the major. A student enrolled in an accelerated path from the Bachelor of Arts in International Studies into a UNF graduate program can count any graduate courses taken as part of that path toward this requirement, and in some cases, may fulfill the requirements stated herein by default through their participation in that accelerated path.

A student who completes these requirements will have Honors in the Major noted on their transcript and diploma. For further information and/or to apply, please contact the director of the International Studies Program. At the time of application, a student must have completed, or be currently enrolled in, INS3003 Introduction to International Studies.

Honors in the Major Mass Communication



Admissions and Requirements Criteria

Mass Communication majors must maintain a cumulative GPA of 3.5 or higher. Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major Mathematics



Admissions and Requirements Criteria

Math majors must maintain a cumulative GPA of 3.4 or higher. Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major Philosophy

+

Admissions and Requirements Criteria

Philosophy majors must maintain a cumulative GPA of 3.5 or higher. Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major Physics

+

Admissions and Requirements Criteria

Honors in the Major for Physics is awarded upon completion of an advanced Honors Thesis, and completion of at least three but no more than six hours of Directed Independent Study – Honors in Physics Research course work (PHY4969) as determined by the student's honors thesis advisor and at least three but no more than 12 hours of directed Independent Study – Honors in Physics Thesis (PHY4970) Taken in the Department of Physics.

- Students must have at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution.

Honors in the Major Psychology

+

Admissions and Requirements Criteria

Psychology majors must maintain a cumulative GPA of 3.67 or higher. Once in the program to successfully complete this upper level Honors track, students must complete 8 hours of research course work.

Honors in the Major Spanish

+

Admissions and Requirements Criteria

To earn honors in Spanish, students whose applications are approved must fulfill the requirements of the major with a 3.2 GPA in their major courses, and must complete three experiences that fall within the following categories:

- a. complete a research project, or a creative project, in a 3000- or 4000-level course with the prefix SPN or SPW, and present it in a public venue as part of a presentation that is not already a requirement of that course;*
- b. participate in a study-abroad trip led by a member of the UNF Spanish faculty or a semester-long experience involving upper-level coursework in Spanish, either through a UNF exchange, a third-party provider or direct enrollment at a foreign university;
- c. complete an internship for academic credit through the course SPN4940 Internship for Service/Employment in Spanish, or complete an independent research project supervised by a faculty member in the context of SPN4905 Directed Independent Study in Spanish;
- d. complement the major in Spanish with a second major in French Studies, or a minor in Chinese or French; and
- e. complete at least 60 hours of participation in leadership or service activities related to the Spanish language, Spanish-speaking cultures and local or international Spanish-speaking communities through involvement with the UNF Spanish Club, the UNF chapter of Sigma Delta Pi (the National Collegiate Hispanic Honor Society) or other on-campus clubs or community organizations and institutions.**

Additional options may be available, in consultation with the chairperson of the Department of Languages, Literatures and Cultures.

As each of the categories (a)-(c) above involves an activity that bears at least three hours of credit, the minimum number of hours associated with Honors in the Major for the Spanish B.A. will generally be nine. As categories (d) and (e) do not involve coursework, however, a student selecting these options could potentially complete Honors in the Major with fewer than nine hours of credit. With proper planning, any credit hours related to the Honors in the Major for the Spanish B.A. will count among the required or elective coursework for the major.

*Examples of public venues include a UNF-affiliated undergraduate research showcase (e.g., SOARS, International Research Symposium), an outside conference or publication, or a special event on campus or in the community.

**Students should consult with the chairperson of Languages, Literatures and Cultures for approval of activities, for information on tracking hours, and to sign a waiver prior to participating in off-campus activities that will count toward completion of this requirement.

Honors in the Major Statistics



Admissions and Requirements Criteria

Statistics majors must maintain a cumulative GPA of 3.4 or higher. Once in the program to successfully

complete this upper level Honors track, students must complete 8 hours of research course work.

+

College of Computing, Engineering and Construction

Honors in the Major Computing

+

The Honors in Computing program gives high achieving students of the School of Computing the opportunity to participate in distinguished research and leadership experiences while working closely with the School faculty. Both experiences are highly valued by graduate programs and employers. Student transcripts will reflect their Honors in Computing conferral.

Admissions and Requirements Criteria

Enrollment Eligibility

- Enrollment in a major offered by the School of Computing
- Overall passed credits between 30 and 90 (inclusive)
- Overall GPA of 3.2 or higher
- No record of student or academic misconduct

Enrollment Process

- Eligible students will be invited to join the Honors in Computing program.
- Invitees need to submit an enrollment application by the deadline noted in the invitation.
- Applicants need to attend the Honors in Computing mandatory orientation.
- Program students need to enroll in Pass/Fail zero credits CIS4255 Computing Honors course every fall and spring semester (no tuition).
- Program students need to submit an end of semester report documenting how they fulfilled the program's requirements for the semester. The report is due before the finals week of the semester. Submitting the report by the deadline and fulfilling the semester requirements are necessary for receiving a Pass grade in CIS4255 Computing Honors.
- Leadership hours have to be approved by the Computing faculty sponsor using pre-post activity reporting. Highest quality contributions are always expected.

Expectations

- Continuous enrollment in the Honors in Computing program, excluding summers
- Receiving a Pass grade in CIS4255 Computing Honors each semester
- Receiving a final overall GPA of 3.2 or higher, after fulfilling all the degree requirements
- Fulfilling the requirements of the Research track or the Leadership track

Research Track Requirements

- A total of at least 60 leadership hours
- No fewer than 15 leadership hours per semester, excluding summers
- A total of 6 credits of CIS4910 Computing Honors Research under the supervision of one of the School of Computing faculty. Summer enrollments may be allowed with supervisor's permission. Note: CIS4910 Computing Honors Research credits may count toward major credits.
- Submission of a scholarly publication to a high quality, research oriented, technical conference or journal

Leadership Track Requirements

- A total of at least 90 leadership hours.
- No fewer than 15 leadership hours per semester, excluding summers.

Removal From the Program

A student is eligible for removal from the Honors in Computing program upon meeting any of the following conditions. Once removed, student cannot rejoin the Honors in Computing program.

- Receiving a failing grade in any course.
- Having a record of student or academic misconduct.
- Maintaining a GPA of less than 3.0 for two consecutive semesters.

Qualifying Leadership Activity Categories

The following leadership activity categories are approved by the School of Computing. Additional categories may be added after the School's faculty review and approval.

- Computing student clubs
- Diversity and Inclusion
- Outreach
- School of Computing Events

College of Education and Human Service

Honors in the Major Elementary Education (K-6)



The Honors in the Major in Elementary Education (K-6) is available by application to advanced students in the major who seek the challenge of completing an action research project during their student teaching internship. This program is especially recommended for students who are interested in pursuing graduate work or who aspire to one day being teacher leaders in their schools.

Admissions and Requirements Criteria

To earn Honors in the Major, students with a minimum 3.2 GPA may apply at the end of the first semester of their junior year. If accepted into the program, students will need to complete the following requirements:

1. attend two of the following during the second semester of their junior year: a Hicks Honors College seminar, an academic speaker hosted by a unit in the COEHS, or an academic speaker hosted by another unit in or outside of the university with prior approval from the Elementary Education Curriculum Area Director,
2. enroll in the honors section of EDG 4442 Elementary Field Experience III in the first semester of their senior year. A grade of a "B" or better must be earned in all courses after being admitted to the Honors in a Major, and
3. successfully complete an action research and/or service-learning project during their student teaching internship.

Students who complete these requirements will have Honors in the Major noted on the transcript and diploma. For further information please contact the Teaching, Learning, and Curriculum Department Chair or the Elementary Education Curriculum Area Director or visit the [COEHS Elementary Education Honors in the Major website](#).

Honors in the Major Secondary Education



The Honors in the Majors (HIM) in Secondary Education (English, Biology, Chemistry, Mathematics, MG Math/Science, Physics and Social Studies) is available by application to advanced candidates in these majors who seek the challenge of completing a school-sponsored community service project while completing their internship in one of the COEHS Professional Development or Partnership schools. This program is especially recommended for candidates who are interested in serving the communities of the students they instruct in ways that extend beyond traditional academic services offered by teachers.

Admissions and Requirements Criteria

To earn HIM, students with a minimum 3.0 GPA apply at the end of the fall semester of their junior year. As part of the application, students will submit a letter of intent and two recommendations from faculty who have instructed and assigned the final grade in an enrolled course of the applicant. Acceptable applicants will be interviewed by a screening committee consisting of program faculty. It is estimated that six students will be admitted to the HIM in Secondary Education annually.

If accepted into the program, candidates will need to complete the following requirements:

1. Attend two of the following during the spring semester of their junior year: a Hicks Honors College seminar, an academic speaker hosted by a unit in the COEHS, or an academic speaker hosted by another unit in or outside of the university with prior approval from the Secondary Education

Curriculum Area Director (SECAD);

2. Meet with School Administrators (in conjunction with the SECAD) in their fall semester of their senior year to a) define the description and scope of the community service project and to b) plan for the implementation of the project during internship, which will occur in the spring semester of their senior year;
3. Enroll in the honors section of ESE 4943 (Secondary Internship) during their spring semester of their senior year;
4. Earn a grade of B or above in all courses after being admitted to the HIM (except internship, which requires a pass grade); and
5. Successfully participate in and complete the community service project during internship.

Students who complete these requirements will have Honors in the Major noted on the transcript and diploma. For further information please contact the Teaching, Learning, and Curriculum Department Chair or the Secondary Education Curriculum Area Director or visit the [COEHS Secondary Education website](#).

Honors in the Major Sport Management



This is an accelerated bachelor (B.S. in Sport Management) to master's degree program.

- Students will complete the B.S. degree and matriculate into the master's degree program with 6 credit hours completed.
- Graduates earn a M.Ed. in Educational Leadership with a concentration in Athletic Administration.
- This accelerated program also serves as the Honors in the Major for Sport Management.

Admissions and Requirements Criteria

Once an undergraduate has attained junior status, they are eligible to apply for an accelerated track. The following is required:

- Completion of at least 15 undergraduate hours in their major.
- Minimum undergraduate GPA of 3.40 in their major, 3.0 overall GPA
- Letter of recommendation from a faculty member in their major.

Courses

Students who are admitted into the accelerated program would be able to take 2 courses (6 hours at the graduate level) and would be able to select 2 of the 5 graduate courses listed below:

- SPM5206 Ethics and Issues in Sport (3 credits)
- SPM5308 Marketing and Promotion in Sport (3 credits)
- SPM5506 Sport Finance (3 credits)
- SPM5606 Sport Governance and Compliance (3 credits)
- SPM6106 Sport Facility and Risk Management (3 credits)

Contact Dr. Liz Gregg for additional information or visit the [COEHS Sport Management Honors in the](#)

Major website.