

# 2014-2015 Catalog

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# Introduction to UNF

The University of North Florida (UNF) is one of twelve public colleges and universities within the State University System in Florida. It is a comprehensive, metropolitan university, which offers degree programs at the baccalaureate, master's, and doctoral levels. Initially established as an upper division and master's degree-granting institution, UNF began offering classes in 1972 to a 2,000-member student body. In 1984, freshmen and sophomores were admitted. In 1990 the university opened a doctoral program in educational leadership and in 2007, UNF added a doctorate in nursing practice and a doctorate in physical therapy.

UNF remains one of the highly selective comprehensive universities in America. In fall 2013, approximately 1 out of every 8 freshman applicants enrolled in the fall class. With a mean SAT score of 1215 (writing test not included) and grade point average of 3.94, UNF's 2013 fall freshman class reflected the university's commitment to high-quality undergraduate education. The minimum scores typically expected for admission to a four-year university such as UNF are a sliding scale equivalent of 1000 on the *Critical Reading* and *Mathematics* parts of the SAT (or the ACT equivalent) and a GPA of 3.0.

The university is committed to diversity with the belief that exposure to a blend of students, faculty and staff offers a rich and rewarding educational experience. Of the more than 16,200 students enrolled at UNF for the 2013 fall term, about 56 percent were women, just over 26 percent were ethnic/racial minorities, and 83 percent were undergraduates.



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# Mission & Vision

## Statement of Vision

The University of North Florida aspires to be a preeminent public institution of higher learning that will serve the North Florida region at a level of national quality. The institution of choice for a diverse and talented student body, UNF will provide distinctive programs in the arts and sciences and professional fields. UNF faculty will excel in teaching and scholarship, sharing with students their passion for discovery. Students, faculty, staff, alumni, and visitors will enjoy a campus noteworthy for its communal spirit, cultural richness, and environmental beauty.

## Statement of Mission

The University of North Florida fosters the intellectual and cultural growth and civic awareness of its students, preparing them to make significant contributions to their communities in the region and beyond. At UNF, students and faculty engage together and individually in the discovery and application of knowledge. UNF faculty and staff maintain an unreserved commitment to student success within a diverse, supportive campus culture.

## Fulfilling its Mission

UNF cultivates a learning environment that supports intellectual curiosity, academic achievement, and personal growth. UNF's faculty is composed of more than 500 teachers and scholars who are focused on the education of the UNF student. As such, these faculty members help students build a foundation for life-long learning. Through their own scholarship and creative work, UNF faculty members remain engaged with the larger academic community. This scholarship informs the faculty's teaching. Often the faculty's research addresses local and regional concerns. Student participation in this research adds to the depth of their educational experiences.



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# Accreditations

## Regional Accreditation

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The University of North Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of the University of North Florida.

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.

## Professional Accreditations/Approvals

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- AACSB International — The Association to Advance Collegiate Schools of Business
- 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 - Graduate: Nursing - Nurse Anesthetist Concentration
- 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 Healthcare Management Education (CAHME)
- Commission on Accreditation in Physical Therapy Education / American Physical Therapy Association
- Commission on Collegiate Nursing Education (CCNE)
- Commission on Sport Management Accreditation (COSMA) - Candidacy
- Computing Accreditation Commission of ABET Inc.
- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Council on Education for Public Health (CEPH)
- Council on Education of the Deaf (CED)
- Council on Social Work Education (CSWE) - Candidacy
- Engineering Accreditation Commission (EAC) of ABET Inc.
- Florida Board of Nursing
- Florida Department of Education
- National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
- National Association of Schools of Music (NASM)
- National Association of Schools of Public Affairs and Administration (NASPAA)
- National Council for Accreditation of Teacher Education (NCATE)







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# 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 logo can appear with or without the descriptor. 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

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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 Wetzels of Jacksonville. The painting hangs permanently in the special collections of the Thomas G. Carpenter Library.

## The Student Creed

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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



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# Board Members

## **Florida Board of Governors**

Richard A. Beard, III

Matthew M. Carter, II

Manoj Chopra

Dean Colson

Daniel Doyle, Jr.

Carlo Fassi (Chairman, Florida Student Association)

Patricia Frost

Morteza "Mori" Hosseini, Chair

H. Wayne Huizenga, Jr.

Thomas G. Kuntz, Vice Chair

Ned C. Lautenbach

Alan Levine

Wendy Link

Edward Morton

Pam Stewart (Commissioner of Education)

Norman D. Tripp

Elizabeth L. Webster

## **University Board of Trustees**

A. Hugh Greene, Chair

Joy G. Korman, Vice Chair

Carlo G.A. Fassi

Fred D. Franklin, Jr.

Sharon L. Wamble-King

W. Radford Lovett, II

Oscar Munoz

Joan W. Newton

M. Lynn Pappas

Myron W. Pincomb

Gordon F. M. Rakita, Ph.D.

E. Lanny Russell

R. Bruce Taylor, III, Ph.D



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# University Officers

**John A. Delaney, J.D.** (University of Florida) President

**Earle C. Traynham, Jr., Ph.D.** (University of South Carolina) Interim Provost and Vice President for Academic Affairs; Professor Emeritus of Economics

**Thomas S. Serwatka, Ph.D.** (Kent State University) Vice President and Chief of Staff; Professor, Department of Exceptional Student and Deaf Education (Deaf Education)

**Joshua D. Merchant.** (Michigan State University) Vice President for Development and Alumni Affairs & Executive Director of UNF Foundation

**Mauricio Gonzalez, Ph.D.** (Florida State University) Vice President for Student and International Affairs; Professor (Affiliate Appointment), Department of Leadership, Counseling and Instructional Technology

**Rachelle Gottlieb, M.A.** (University of Texas, Austin) Vice President for Human Resources

**Janet D. Owen, J.D.** (Stetson University) Vice President for Governmental Relations

**Shari A. Shuman, M.P.A.** (University of North Florida) Vice President for Administration and Finance

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



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# University Deans

**Pamela S. Chally, Ph.D.** (Georgia State University) **R.N.**, Dean, Brooks College of Health; Associate Vice President for Academic Affairs; Professor, School of Nursing

**Jeffery Coker, Ph.D.** (Ohio University) Dean, Undergraduate Studies

**Elizabeth A. Curry, Ph.D., MLn** (University of South Florida, Emory University), Dean, Thomas Carpenter Library

**Larry G. Daniel, Ph.D.** (University of New Orleans) Dean, College of Education and Human Services; Professor, Department of Counseling and Educational Leadership (Educational Leadership)

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

**Len Roberson, Ph.D.** (Gallaudet University) Dean of the Graduate School, Assistant Vice President for Academic Technology and Associate Professor, Department of Exceptional Student and Deaf Education

**Ajay Samant, Ph.D.** (Indiana University Bloomington) Dean, Coggin College of Business; Professor, Finance

**Mark A. Tumeo, Ph.D.** (University of California Davis) Dean, College of Computing, Engineering and Construction; Professor, Civil Engineering

**Robert Wood, M.P.A.** (Indiana University) Dean, Division of Continuing Education





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# University Faculty

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[Y](#) [Z](#)

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## A

**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)

**Gregory A. Ahearn, Ph.D.** (Arizona State University) Presidential Professor, Biology

**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), Laboratory Lecturer, Physics

**Carolyn Ali-Khan, Ph.D.** (The Graduate Center, CUNY) Assistant Professor, Foundations and Secondary Education

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

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

**Faiz Al-Rubae, Ph.D.** (New York University/Courant Institute) Associate Professor, Mathematics and Statistics (Mathematics)

**Lian An, Ph.D.** (University of Kentucky) Associate Professor, Economics and Geography (Economics)

**Irma B. Ancheta, Ph.D., R.N.** (University of South Florida) Assistant Professor, Nursing

**John E. Anderson, Ph.D.** (Harvard University) Senior Research Lecturer, Physics

**Jonathan Antal, MS** (Instructor) Exceptional, Deaf and Interpreter Education

**Daniel J. Arenas, Ph.D.** (University of Florida) Assistant Professor, Physics



**Mark Ari, M.F.A.** (Brooklyn College - CUNY) Instructor, English (English)

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

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

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

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

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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) Instructor, Nursing

**Chitra K. Balasubramanian, Ph.D.** (University of Florida) Assistant Professor, Clinical and Applied Movement Sciences

**Dee Baldwin, MLS** (Indiana University) Associate Dean, University Library

**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)

**Bryan Bannon, Ph.D.** (University of Memphis) Assistant Professor, Philosophy

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

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

**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) Assistant Professor, Economics and Geography (Geography)

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

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

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

**Michele S. Bednarzyk, M.N.** (University of South Carolina) ARNP, B.C., Instructor, Nursing

**David J. Begley, M.F.A.** (Savannah College of Art & Design) Associate Professor, Art 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)

**Michele Benarzyk, D.N.P., F.N.P., B.C.** Assistant Professor & Program Director, Nurse Practitioner Program

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

**Jeanette Berger, Ph.D.** (Indiana University of Pennsylvania) Instructor, English

**Krzysztof Biernacki, D.M.A.** (University of British Columbia) Associate Professor, Music (Music/Voice)

**Kimberly Bilsky, MSN** (Instructor), Nursing

**Michael Binder, Ph.D.** (University of California, San Diego) Assistant Professor, Political Science and Public Administration

**Rebecca Bliss, M.A.** (University of North Florida) Foundations and Secondary Education (English Education)

**Kathaleen C. Bloom, Ph.D.** (University of Florida) C.N.M. Professor and Prelicensure Coordinator, Nursing

**Robert H. Bohle, Ph.D.** (University of Tennessee) Professor, Communication (Communications/Journalism)

**Michelle Boling, Ph.D., A.T.C.** (University of North Carolina at Chapel Hill) Associate Professor, Clinical and Applied Movement Sciences (Athletic Training)

**Mary O. Borg, Ph.D.** (University of North Carolina at Chapel Hill) Professor, Political Science and Public Administration

**Koren Borges, M.B.A.** (University of Pennsylvania) Instructor, Management

**Denise I. Bossy** (Yale University) Assistant Professor, History

**Adel N. Boules, Ph.D.** (Michigan State) Professor, Mathematics and Statistics (Mathematics)

**Michael Bovenzi, D.M.A.** (University of Illinois-Urbana-Champaign) Assistant Professor, Music (Classical Saxophone)

**Jeffrey T. Bowen, MLS** (University of Maryland) University Librarian

**Doria F. Bowers, Ph.D.** (University of Texas - Austin) Professor, Biology

**Adam Boyd, MSN** (Florida International University) Instructor, Nursing

**Jenna Braddock, MSH** (University of North Florida) Instructor, Nutrition and Dietetics

**Denise L. Bristol** (Nova Southeastern University) Laboratory Lecturer, Biology

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

**James Broomall, Ph.D.** (University of Florida) Assistant Professor, History

**Christopher Brown, Ph.D.** (University of Florida) Assistant Professor, Engineering (Civil)

**Louise Freshman Brown, M.F.A.** (Syracuse University) Professor, Art and Design (Painting/Drawing), Distinguished Professor, 2007

**Peter Scott Brown, Ph.D.** (Yale University) Associate Professor, Art and Design (Art History)

**Alison J. Bruey** (Yale University) Associate Professor, History

**Jennifer Bryant** (University of Florida) Laboratory Lecturer, Chemistry

**Andrew J. Buchwalter, Ph.D.** (Boston University) John A. Delaney Presidential Professor, Philosophy

**Bernadette D. Buckley, Ph.D.** (University of Florida) ATC, LAT, Associate Professor, Clinical and Applied Movement Sciences (Athletic Training)

**Melissa Bush, M.Ed.** (University of North Florida) Laboratory Lecturer, Research Programs and Services, Chemistry

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

**Elena M. Buzaianu, Ph.D.** (Syracuse University) Associate Professor, Mathematics and Statistics (Statistics)

**Jin-Suk Byun, Ph.D.** (University of Illinois at Urbana-Champaign) Assistant Professor, Childhood Education (Linguistics)

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## C

**Joseph L. Campbell, Ph.D.** (Clemson University) PE, Professor, Engineering

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

**Paul Carelli, Ph.D.** (University of Kentucky), Assistant Professor, Philosophy

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

**Tammy Carroll, M.S.N., C.R.N.A.** (Florida International University) Instructor, Nursing

**Candice Carter, Ph.D.** (University of California, Riverside) Associate Professor, Childhood Education (Elementary Education)

**Jeremy Cater, Ph.D.** (Michigan State University) Assistant Professor, Criminology and Criminal Justice

**Keith Cartwright, Ph.D.** (Indiana University) Professor, English

**Dale A. Casamatta, Jr., Ph.D.** (Ohio University) Professor, Biology

**Peter A. Casella, Ph.D.** (University of North Carolina, Chapel Hill) Assistant Professor, Communication (Mass Communication)

**Corey Causey, Ph.D.** (Duke University) Assistant Professor, Chemistry

**Terence Cavanaugh, Ph.D.** (University of South Florida) Associate Professor, Leadership, School Counseling and Sports Management (Instructional Technology)

**Stuart Chalk, Ph.D.** (University of Massachusetts, Amherst) Associate Professor, Chemistry and Interim Director, Environmental Center

**Pamela S. Chally, Ph.D.** (Georgia State University) R.N., Dean, Brooks College of Health; Professor, Nursing, Distinguished Professor, 2008

**Richard H. Chant, Ed.D.** (University of Central Florida) Associate Professor, Foundations and Secondary Education (Social Studies Education) and Program Leader, Secondary Education

**Kim Cheek, Ph.D.** (University of Durham) Assistant Professor, Childhood Education, Literacy and TESOL

**Hong Chen, Ph.D.** (University of Ohio) Assistant Professor, Physics

**Chiu H. Choi, Ph.D.** (University of California, Santa Barbara) PE, Professor, Engineering (Electrical Engineering) and Director of Electrical Engineering Research Development Laboratory

**Hyunsun Choi, Ph.D.** (University of Southern California) Associate Professor, Political Science and Public Administration (Urban and Regional Planning)

**Youngtae Choi, Ph.D.** (Texas A&M University) Associate Professor, Marketing and Logistics (Marketing)

**Catherine Christie, Ph.D.** (Florida State University) Professor and Associate Dean, Brooks College of Health

**Natasha Christie, Ph.D.** (University of Florida) Assistant Professor, Political Science and Public Administration (Political Science)

**Ching-Hua Chuan, Ph.D.** (University of California, Los Angeles) Assistant Professor, Computing

**James Churilla, Ph.D.** (University of Tennessee) Associate Professor, Clinical and Applied Movement Sciences (Exercise Science)

**Angeles Fernandez Cifuentes, Ph.D.** (University of Texas-Austin) Assistant Professor, Languages, Literatures and Culture

**Kerry L. Clark, Ph.D.** (University of South Carolina) Associate Professor, Public Health (Epidemiology)

**Charles E. Closmann, Ph.D.** (University of Houston) Associate Professor and Chair, History

**Sharon C. Cobb, Ph.D.** (University of Florida) Professor, Economics and Geography (Geography)

**Blake Coglianese, M.F.A.** (Savannah College of Art and Design) Associate Professor, Art and Design (Multimedia and Graphic Design)

**B. Jay Coleman, Ph.D.** (Clemson University) Interim Associate Provost, Academic Affairs, Richard deRaismes Kip Professor of Operations Management and Quantitative Methods, Management (Management and Quantitative Methods), Distinguished Professor, 2005

**Wayne Coleman, M.A.** (University of South Florida) Instructor, Economics and Geography (Geography)

**Luke M. Cornelius, Ph.D.** (University of Florida) Associate Professor, Leadership, School Counseling and Sports Management

**Gerald Colvin, Ph.D.** (University of Pittsburgh) Assistant Professor, Public Health (Health Administration)

**Dee Colvin-Ott, M.F.A.** (Indiana State University) Instructor, Communication

**Judith Comeaux, M.S.N.** (University of Florida) A.R.N.P., Assistant Professor, Nursing

**Linda Connelly, M.S.N.** (University of North Florida) A.R.N.P., Instructor, Nursing

**Richard V. Conte, Ph.D.** (University of Arizona) Senior Instructor and Advisor, Engineering (Mechanical Engineering)

**W. Thomas Coppedge, M.A.** (University of Georgia) Instructor, Economics and Geography (Economics)

**Luke Cornelius, Ph.D.** (University of Florida) & **J.D.** (Georgia State University) Associate Professor, Leadership, School Counseling and Sport Management

**Hugh Cornell, M.S.** (University of North Florida) Instructor, Mathematics

**Jeffrey W. Cornett, Ph.D.** (Ohio State University) Chairperson and Professor, Foundations and Secondary Education (Educational Policy and Leadership)

**Vuokko (Vicki) Cornett, MED** (University of Toledo) Clinical Instructor, Office of Educational Field Experiences

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

**Matthew T. Corrigan, Ph.D.** (University of Florida) Professor and Chair, Political Science and Public Administration

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

**David T. Courtwright, Ph.D.** (Rice University) Professor, History with joint appointment in the Brooks College of Health; Distinguished Professor, 1998; Presidential Professor

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

**Daniel Cox, Ph.D.** (University of Texas at Austin) Professor, Engineering (Mechanical Engineering)

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

**Cynthia Cummings, Ed.D., R.N.** (University of North Florida), Assistant Professor, Nursing

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

**Malgorzata Czerwinska, Ph.D.** (University of Memphis) Assistant 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) Instructor, English

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

**Larry G. Daniel, Ph.D.** (University of New Orleans) Professor, Leadership, School Counseling and Sports Management (Educational Leadership)

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

**Justin Davis, B.S.** (California State University-Northridge) Assistant Swim Coach, Athletics

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

**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) Associate Professor, Accounting and Finance (Finance)

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

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

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

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

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

**Alexander Diaz, MFA** (University of Florida) Assistant 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) Assistant Professor, Foundations and Secondary Education (Music Education)

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

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

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

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

**Emily Arthur, M.F.A.** (Pennsylvania Academy of the Fine Arts) Associate Professor, Art and Design (Printmaking)

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

**John Dryden, Ph.D.** (University of Florida) Assistant Professor, Construction Management

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

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

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

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## E

**Paul Eason, Ph.D.** (University of Florida) Associate Professor of Mechanical Engineering

**Martin I. Edwards, J.D.** (University of Florida) Director, Pre-Law Program and Instructor, Political Science and Public Administration

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

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

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

**Sherif A. Elfayoumy, Ph.D.** (University of Louisville) Associate Dean, College of Computing, Engineering and Construction, Associate Professor, Computing

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

**Terri Ellis, Ph.D.** (University of California, Davis) Assistant Professor, Biology

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

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## F

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

**David E. W. Fenner, Ph.D.** (University of Miami) Associate Dean, College of Arts and Sciences; Professor, Philosophy

**Jorge Febles, Ph.D.** (University of Iowa) Professor, Languages, Literatures and Cultures (Spanish)

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

**Brian Fisak, Ph.D.** (University of Central Florida) Associate Professor, Psychology

**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

**Linda A. Foley, Ph.D.** (University of Florida) Professor, Psychology; Distinguished Professor, 1982

**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) Assistant Professor, Mathematics and Statistics (Mathematics)

**Robert Frankel, Ph.D.** (Michigan State University) Professor and Chair, Co-Director, Transportation and Logistics Flagship Program, Marketing and Logistics

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

**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) Associate Professor and Graduate Coordinator, English

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

**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)

**James L. Garner, Ph.D.** (Ohio State University) Professor and Chair, Physics

**Lev V. Gasparov, Ph.D.** (Institute for Solid State Physics, Russia) Terry Presidential Professor, Professor, Physics

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

**Daniela Genova, Ph.D.** (University of South Florida) Associate Professor, Mathematics and Statistics (Mathematics)

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

**Hubert W. Gill, M.Acc** (University of North Florida) CPA, Senior Instructor, Accounting and Finance (Accounting)

**Erinn Gilson, Ph.D.** (University of Memphis) Assistant Professor, Philosophy

**Gerard R. Giordano, Ph.D.** (Ohio State University) Professor, Exceptional Student and Deaf Education

**James U. Gleaton, Ph.D.** (University of South Carolina) Associate Professor, Mathematics and Statistics (Statistics)

**Lakshmi Goel, Ph.D.** (University of Houston) Associate Professor, Management

**David H. Goff, Ph.D.** (University of Massachusetts - Amherst) Professor, Communication (Communication Studies)

**Mauricio Gonzalez, Ph.D.** (Florida State University) Vice President for Student and International Affairs; Professor (Affiliate Appointment), Leadership, School Counseling and Sports Management

**Joseph Goodsell, M.S.** (University of Southern Mississippi) Instructor, Communication

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

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

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

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

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

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

**Saurabh Gupta, Ph.D.** (University of Georgia) Associate Professor, Management (Management Information Systems)

**Sandra L. Gupton, Ed.D.** (University of North Carolina/Greensboro) Professor, Leadership, School Counseling and Sports Management (Educational Leadership)

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

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## H

**Courtney Hackney, Ph.D.** (Mississippi State University) Director, Coastal Biology Flagship Program and Professor, Biology

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

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

**James Hall, D.M.A.** (Rice University) Assistant 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

**Sami M. Hamid, Ph.D.** (Texas A & M University) Associate Professor, Mathematics and Statistics (Mathematics)

**Mitchell R. Haney, Ph.D.** (University of Memphis) Associate Professor, Philosophy (Theoretical and Applied Ethics)

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

**Melissa Hargrove, Ph.D.** (University of Tennessee) Assistant Professor, Sociology and Anthropology (Anthropology)

**Alan Harris, Ph.D.** (University of Oklahoma) Associate Professor, Engineering (Electrical Engineering)

**Jeffrey Harrison, Ph.D.** (Virginia Commonwealth University) Chair and Professor, Public Health



(Health Administration)

**Melissa Conway Hartman, M.Ed., A.T.Cl** (University of Georgia), Instructor, Clinical and Applied Movement Sciences

**John D. Hatle, Ph.D.** (University of Louisiana at Lafayette) Professor, Biology

**Damon M. Hay, Ph.D.** (University of Houston) Assistant Professor, Mathematics and Statistics

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

**Laura Heffernan, Ph.D.** (University of Pennsylvania) Assistant Professor, English

**Gregory Helmick, Ph.D.** (University of Texas - Austin) Assistant Professor, Languages, Literatures and Culture (Spanish)

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

**Elizabeth Heuer, Ph.D.** (Florida State University) Assistant Professor, Art and Design (Art History)

**Stephen Heywood, M.F.A.** (Edinboro - University of Pennsylvania) Associate Professor, Art and Design (Ceramics)

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

**Pamela Hnyla, M.A.** (University of North Florida) Instructor, English (English)

**Scott H. Hochwald, Ph.D.** (University of California-Berkeley) Chair and Associate Professor, Mathematics and Statistics (Mathematics)

**Warren A. Hodge, Ph.D.** (University of Wisconsin-Madison) Associate Professor, Leadership, School Counseling and Sports Management (Educational Leadership)

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

**Bonnie Holder, Ph.D., A.R.N.P., B.C.** (Virginia Commonwealth University) Assistant Professor, Nursing

**Christine Holland, M.A.** (Oklahoma State University) Instructor, Communication (Speech)

**Paula Horvath-Neimeyer, Ph.D.** (University of Florida) Instructor, Communication (Journalism)

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

**Elissa Howard-Barr, Ph.D.** (University of Florida) Associate Professor, Public Health

**Nick W. Hudyma, Ph.D.** (University of Nevada) PE, Professor, Engineering (Civil Engineering)

**Jay S. Huebner, Ph.D.** (University of California-Riverside) Professor Emeritus and Visiting Research Professor, Physics; Distinguished Professor, 1980

**Janice Humphrey, Ed.D.** (Brigham Young University) Associate Professor, Exceptional Student and Deaf Education

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

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**Julie J. Ingersoll, Ph.D.** (University of California - Santa Barbara) Associate Professor, Department

of Philosophy (Religious Studies)

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

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## J

**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)

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

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

**Jose A. Jimenez, Ph.D.** (University of Puerto Rico - Mayaguez) Assistant Professor, Chemistry

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

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

**Christopher Johnson, Ph.D.** (University of Alabama) Associate Professor and Chair, Economics and Geography (Economics)

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

**Jerry Johnson, Ph.D.** (Ohio University) Associate Professor, Leadership, Counseling and Sport Management

**Tammie Johnson, Ph.D.** (Florida A&M University) Assistant Professor, Public Health

**Valerie Johnston, Ph.D.** (University of North Carolina, Charlotte) Assistant Professor, Public Health

**Lynn Comer Jones, Ph.D.** (Georgia State University) CPA, Associate Dean, Coggin College of Business and Associate Professor, Accounting and Finance (Accounting)

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

**Cynthia J. Jordan, M.S.L.S.** (Florida State University) Associate University Librarian

**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

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

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

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

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

**Nicholas M. Karayanakis, Ph.D.** (University of Illinois) Professor, Leadership, School Counseling and Sports Management

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

**C. Bruce Kavan, Ph.D.** (University of Georgia) Associate Dean, Coggin College of Business and Professor and Interim Chair, Management (Management Information Systems), Bank of America Professor of Information Technology

**Diane W. Kazlauskas, Ed.D.** (University of Florida) M.S.L.S. (Atlanta University) University Librarian

**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

**Stacy Keller, Ed.D./Ed.S.** (University of Central Florida) Assistant Professor, Childhood Education

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

**Ronald F. Kephart, Ph.D.** (University of Florida) Associate Professor, Sociology and Anthropology (Anthropology)

**A. Samuel Kimball, Ph.D.** (University of Florida) Associate Dean, College of Arts and Sciences and Professor, English

**Matthew Kimball, Ph.D.** (Rutgers University) Assistant Research Professor, Ecology and Evolution - Biology

**William Klostermeyer, Ph.D.** (University of Florida) Professor, Computing

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

**C. Susan Kraegel, M.A.** (University of Missouri) Instructor, English

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

**Edward P. Krisner, Ph.D.** (University of Pittsburgh) Assistant Professor, Mathematics and Statistics (Mathematics)

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

**Dean J. Krusienski, Ph.D.** (Pennsylvania State University) Assistant Professor, Engineering (Electrical Engineering)

**Bryan A. Kuckley, Ph.D.** (University of South Carolina) Assistant Professor, Chemistry

**Michael W. Kucsak, M.L.S.** (Florida State University) Associate University Librarian

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## L

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

**Corinne Labyak, MSH** (University of North Florida) Assistant 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)

**J. David Lambert, Ph.D.** (University of Florida) Associate Professor, Construction Management, and Director of the Advanced Weather Information Systems (AWIS) Laboratory

**Christos Lampropoulos, Ph.D.** (University of Florida) Assistant Professor, Chemistry

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

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

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

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

**Carol Ledbetter, Ph.D.** (University of Texas, Austin) Professor, Nursing

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

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

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

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

**Jung-Gyo Lee, Ph.D.** (University of Florida) Associate Professor, Communications (Advertising)

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

**Christopher T. Leone, Ph.D.** (University of Georgia) Professor, Psychology

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

**Ronald T. Libby, Ph.D.** (University of Washington) Professor, Political Science and Public Administration

**Beyong Lim, Ph.D.** (Louisiana State University and A&M) Assistant Professor, Construction Management

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

**Mary E. Locklear, MN** (Emory University) Instructor, Nursing

**Chung-Ping Loh, Ph.D.** (University of North Carolina) Associate Professor, Economics and Geography (Economics)

**Constanza Lopez, Ph.D.** (The Graduate Center, CUNY) Assistant Professor, Languages, Literatures, and Cultures (Spanish)

**Lillia M. Loriz, Ph.D.** (George Mason University) A.R.N.P., B.C., Professor, Director, Nursing (Nursing Administration); Interim Chair, Clinical and Applied Movement Sciences

**Marcelle C. Lovett, Ed.D.** (University of Florida) Assistant Professor, Leadership, School Counseling and Sports Management (Educational Leadership)

**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

**Ronald A. Lukens-Bull, Ph.D.** (Arizona State University) Associate Professor, Sociology and Anthropology (Anthropology)

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

**Mary Lundy, DPT** (University of Michigan) Assistant Professor, Clinical and Applied Movement

Sciences (PT)

**Marsha H. Lupi, Ed.D.** (Teachers College, Columbia University) Interim Dean, College of Education and Human Services, Associate Professor, Exceptional Student and Deaf Education

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## M

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

**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

**Eileen Maguire, M.A.** (University of North Florida) Instructor, English

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

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

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

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

**Kenneth E. Martin, Ph.D.** (University of Notre Dame) Professor, Computing

**Dominick Martorelli, M.F.A.** (University of South Florida) Associate Professor, Art and Design (Photography)

**Paul M. Mason, Ph.D.** (University of Texas) Professor, Economics and Geography (Economics)

**Susan Massey, MLIS** (Louisiana State University) University Librarian

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

**Samuel Mathies, MA** (University of California, Northridge) Instructor, Communication

**Jason I. Mauro, Ph.D.** (University of Connecticut) Associate Professor, English

**Sarah Anne Mattice, M.A.** (University of Hawaii at Manoa) Assistant Professor, Philosophy

**Brenda Maxey-Billings, M.A.** (University of North Florida) Instructor, Writing Program

**Sophie Maxis, Ph.D.** (University of Florida) Assistant Professor, Leadership, School Counseling and Sport Management

**John P. McAllister, Ph.D.** (Pennsylvania State University) CPA, Professor, Accounting and Finance (Accounting)

**James McCague, M.B.A.** (University of North Florida) Instructor, Accounting and Finance (Finance)

**Clayton McCarl, Ph.D.** (City University of New York) Assistant Professor, Languages, Literatures and Culture (Spanish)

**Jane McCarthy, Ph.D., A.R.N.P., F.A.A.N.** (Uniformed Services University of the Health Services) Professor, Nursing

**John P. McDonough, Ed.D.** (Drake University) C.R.N.A., A.R.N.P., Professor and Director, Nurse Anesthesia Track, Nursing

**Ross McDonough, MSW** (New York University) Instructor, Sociology and Anthropology (Social

Work)

**John E. McEldowney, D.B.A.** (Mississippi State University) CPA, CIA, Associate Professor, Accounting and Finance (Accounting)

**D. Courtenay McLeland, M.S.** (Florida State University) Associate University Librarian

**Carolynn McMahan, Ph.D.** (University of Tennessee at Chattanooga) Associate Professor, Communication (Advertising)

**Susan McMarlin, Ed.D., R.N.** (University of Hawaii) Assistant Professor, Nursing

**Jan Meires, Ed.D.** (University of North Florida) A.R.N.P., B.C., Professor, Nursing

**Gerald U. Merckel, Ph.D.** (University of Tennessee) Professor, Electrical Engineering

**Julie Merten, M.S.H.** (University of North Florida) Instructor, Public Health

**Paul Mettler, Ed.D.** (Northeastern University) Associate Professor, Clinical and Applied Movement Sciences

**Jeffrey E. Michelman, Ph.D.** (University of Wisconsin-Madison) CPA, CMA, Professor, Accounting and Finance (Accounting and Information Systems); Co-Director, IB Flagship Program

**Ognjen Milatovic, Ph.D.** (Northeastern University) Associate Professor, Mathematics and Statistics (Mathematics)

**Aleksandra Sasha Milicevic, Ph.D.** (University of California - Los Angeles) Assistant Professor, Sociology and Anthropology (Sociology)

**Donna L. Mohr, Ph.D.** (Princeton University) Professor, Mathematics and Statistics (Statistics)

**Patrick Monaghan, Ph.D.** (Bowling Green State University) Professor, Nursing

**Katie Monnin, Ph.D.** (Kent State University) Associate Professor, Childhood Education (Literacy Education)

**Pamela A. Monteleone, Ph.D.** (State University of New York- Buffalo) Associate Professor, English

**Daniel C. Moon, Ph.D.** (University of South Florida) Professor and Chair, Biology

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

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

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

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

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## N

**Elizabeth Nabi, M.F.A.** (Savannah College of Art and Design) Assistant 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)

**Meiko Negishi, Ph.D.** (Mississippi State University) Foundations and Secondary Education

**Frederick Nelson, M.S.** (Kansas State University) Instructor, Foundations and Secondary Education

**Lauren O'Shields Newton, M.L.I.S.** (University of South Carolina) Associate University Librarian

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

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

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

**John P. Nuskowski, Ph.D.** (West Virginia University) Assistant Professor, Engineering (Mechanical Engineering)

**Cynthia Nyquist-Battie, Ph.D.** (University of California Los Angeles - Irvine) Professor, Public Health

**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

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

**Jurgen Osterbrink, Ph.D., R.N.A.** (University of Leuven, Belgium) Clinical Professor, Nursing

**Ronghua (John) Ouyang, Ed.D.** (Indiana University of Pennsylvania) Professor, Childhood Education

**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) Instructor, Writing Program

**Jae Hee Park, Ph.D.** (University of Tennessee, Knoxville) Assistant Professor, Communication

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

**Nirmal Patel, Ph.D.** (Sardar Patel University) Laboratory Lecturer, Physics

**Karen B. Patterson, Ph.D.** (Kent State University) Associate Professor, Exceptional Student and Deaf Education and Chair, Exceptional Student Education

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

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

**Krista E. Paulsen, Ph.D.** (University of California-Santa Barbara) Associate Professor and Chair, Sociology and Anthropology (Sociology)

**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)

**Judy E. Perkin, Dr.P.H.** (University of Texas Health Science Center at Houston School of Public Health) RD, CHES, Professor, Nutrition and Dietetics

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

**Sarah M. Philips, M.Ln.** (Emory University) University Librarian

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

**Sherry Pinkstaff, Ph.D.** (Virginia Commonwealth University) Assistant Professor, Clinical and Applied Movement Sciences

**Daniel Pontzer, Ph.D.** (Indiana University of Pennsylvania) Assistant Professor, Criminology and Criminal Justice

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

**Frederick D. Pragasam, M.B.A.** (Case Western Reserve University) Senior Instructor, Management (Management)

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

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

**Sucheta Pyakuryal, Ph.D.** (The University of Akron) Assistant Professor, Political Science and Public Administration

**Radha Pyati, Ph.D.** (University of North Carolina - Chapel Hill) Associate Professor and Chair, Chemistry

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## Q

**Nuria Ibanez Quintana, Ph.D.** (Western Michigan University) Associate Professor, Languages, Literatures and Culture

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## R

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

**M. Mahbubur Rahman, Ph.D.** (Arizona State University) Associate Professor, Mathematics and Statistics (Mathematics)

**Gordon Rakita, Ph.D.** (University of New Mexico) Associate Professor, Sociology and Anthropology (Anthropology)

**Maria Ramdas, M.A.** (University of North Florida) Resident Clinical Faculty, Special Education

**Don Resio, Ph.D.** (University of Virginia) Director, Taylor Engineering Research Institute and Professor, Engineering

**F. Dan Richard, Ph.D.** (Texas Christian University) Director, Office of Faculty Enhancement, and Associate Professor, Psychology

**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) Dean of the Graduate School, Assistant Vice President for Academic Technology and Associate Professor, Exceptional Student and Deaf Education

**Barbara Roberts, M.A.** (University of North Florida) Instructor, English

**Katherine Robinson, Ph.D.** (University of Florida) R.N., CCNS, Associate Professor, Nursing

**Timothy H. Robinson, Ph.D.** (University of Texas at Austin) Affiliated Professor of Applied Linguistics, Languages, Literatures and Culture

**Judith C. Rodriguez, Ph.D.** (Rutgers University) Professor, and Chair, Nutrition and Dietetics

**Robert F. Roggio, Ph.D.** (Auburn University) Professor, Computing

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

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

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

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

**Dawn Russell, Ph.D.** (Northwestern University) Assistant Professor, Transportation and Logistics

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## S

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

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

**Ajay Samant, Ph.D.** (Indiana University Bloomington) Dean, Coggin College of Business; Professor, Finance

**A. Coskun Samli, Ph.D.** (Michigan State University) Research Professor, Marketing and Logistics (Marketing and International Business)

**Allan N. Sander, Ph.D.** (Florida State University) Professor, Foundations and Secondary Education (Physical Education)

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

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

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

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

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

**Elinor A. Scheirer, Ph.D.** (Ohio State University) Acting Chair and Professor, Leadership, School Counseling and Sports Management (Curriculum Studies, Qualitative Research)

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

**Alexandra Schonning, Ph.D.** (University of Central Florida) Associate 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)

**David Schwam-Baird, Ph.D.** (Tulane University) Associate Professor, Political Science and Public Administration

**Shira Schwam-Baird, Ph.D.** (Tulane University) Professor and Coordinator, Languages, Literatures and Culture (French)

**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)

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

**Janice Seabooks-Blackmore, Ph.D.** (Florida State University) Associate Professor, Exceptional Student and Deaf Education (Special Education)

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

**Pali Sen, Ph.D.** (Ohio State University) Professor and Graduate Director, Mathematics and Statistics (Statistics)

**Thomas S. Serwatka, Ph.D.** (Kent State University) Vice President and Chief of Staff; Professor, Exceptional Student and Deaf Education (Deaf Education)

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

**Jacqueline Shank, M.S.** (Florida State University) R.D., Instructor, Nutrition and Dietetics

**Sherry Shaw, Ed.D.** (University of Memphis) Munoz Presidential Professor and Professor, Exceptional Student and Deaf Education (ASL/English Interpreting)

**David L. Sheffler, Ph.D.** (University of Wisconsin-Madison) Associate Professor, History

**Simon Shiao, D.M.A.** (State University of New York at Stony Brook) Associate Professor, Music (Music)

**Suzanne Simon, Ph.D.** (New School University) Assistant Professor, Sociology and Anthropology (Anthropology)

**Alicia Sitren, Ph.D.** (University of Central Florida) Assistant Professor, Criminology and Criminal Justice

**Gary L. Smart, D.M.A.** (Yale University) Professor, Music; Presidential Professor

**Jillian Smith, Ph.D.** (Pennsylvania State University) Associate Professor, English

**Kelly J. Smith, Ph.D.** (Rutgers University) Associate Professor, Biology

**Robert Smith, Ph.D.** (The University of Iowa) Instructor, Foundations and Secondary Education

**Roberto Soares, Ph.D.** (University of Florida) Assistant Professor, Construction Management

**James Sorce, M.B.A.** (University of North Florida) Academic Advisor and Instructor, Construction Management

**Aaron Spaulding, Ph.D.** (Texas A&M Health Science Center) Assistant Professor, Public Health

**Jennifer Spaulding-Givens, Ph.D.** (Florida State University) Assistant Professor, Sociology and

Anthropology (Social Work)

**Carol Spector, M.H.R.M.** (University of North Florida) Instructor, Management

**Elaine Staley, MA** (Michigan State University) Director, Medical Lab Sciences

**Nile V. Stanley, Ph.D.** (University of Florida) Associate Professor, Childhood Education (Primary and Elementary Education)

**Robert V. Stern, Ph.D.** (Florida State University) Laboratory Lecturer, Chemistry

**Carolyn B. Stone, Ed.D.** (University of Florida) Professor and Program Director for School Counseling, Leadership, School Counseling and Sports Management (School Counselor Education)

**Harriet A. Stranahan, Ph.D.** (University of Washington) Professor, Economics and Geography (Economics)

**Brian J. Striar, Ph.D.** (Claremont Graduate School) Associate Professor and Chair, English

**Jenny Stuber, Ph.D.** (Indiana University) Associate Professor, Sociology and Anthropology (Sociology)

**Michael Stultz, M.A.** (McDaniel College) Instructor of American Sign Language, Exceptional Student and Deaf Education

**David R. Swanson, Ph.D.** (University of Arkansas) Assistant Professor, Marketing and Logistics

**Kristi Sweeney, Ph.D.** (University of New Mexico) Assistant Professor, Leadership, School Counseling and Sports Management

**Janice Swenson, Ph.D.** (Tulane University) Laboratory Lecturer, Biology

**Allissa Hurwitz Swota, Ph.D.** (University at Albany, State University of New York) Assistant Professor, Philosophy

**Susan Syverud, Ph.D.** (University of Wisconsin - Madison) Associate Professor, Exceptional Student and Deaf Education

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## T

**Madalina Tanase, Ph.D.** (University of Nevada at Las Vegas) Assistant Professor, Foundations and Secondary Education

**Diane L. Tanner, M.Acc** (University of North Florida) CPA, Senior Instructor, Accounting and Finance (Accounting)

**Cara Suzanne Tasher, D.M.A.** (University of Cincinnati) Associate Professor, Music (Music)

**Marjory Templeton, M.B.A.** (University of Rochester) Instructor, Management (Management Information Systems)

**Mamadou Thiam, Ph.D.** (University of Rhode Island) Laboratory Lecturer, Chemistry

**Brian Patrick Thornton, Ph.D.** (University of Utah) Professor, Communication

**Robert L. Thunen, Ph.D.** (Northwestern University) Associate Professor, Sociology and Anthropology (Anthropology)

**Randall C. Tinnin, D.M.A.** (Rutgers University) Associate Professor and Chair, Music (Trumpet)

**Murat Tiryakioglu, Ph.D.** (University of Birmingham, UK) Professor and Director, Engineering

**Michael Togliola, Ph.D.** (University of Colorado) Professor and Chair, DPsychology

**Jingcheng Tong, Ph.D.** (Wayne State University) Professor, Mathematics and Statistics (Mathematics)

**Chirstopher Winston Trice, M.F.A.** (University of Illinois at Chicago) Assistant Professor, Art and Design (Photography)

**Heather Truelove, Ph.D.** (Washington State University) Assistant Professor, Psychology

**Delores Truesdell, D.C.N.** (University of Medicine and Dentistry of New Jersey) Assistant Professor, Nutrition and Deitetics

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

**Mark A. Tumeo, Ph.D.** (University of California Davis) Dean, College of Computing, Engineering and Construction and Professor, Engineering

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

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## U

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

**Verna Urbanski, M.A.** (University of Kansas) M.L.S. (State University of New York — Albany) University Librarian

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## V

**Kristen Vandenberg, M.S.N., R.N.** (Georgia Baptist College of Nursing of Mercer University) Assistant Professor, Nursing

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

**Susan Vasana, Ph.D.** (Queen's University) Associate Professor, Engineering (Electrical Engineering)

**Robert A. Vergenz, Ph.D.** (Rutgers University) Associate Professor, Chemistry

**Maria Elena Versari, Ph.D.** (Scuola Normale Superiore - Pisa, Italy) Assistant Professor, Art and Design (Art History)

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

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## W

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

**Debra Wagner, M.S.** (University of Utah) A.R.N.P., C.N.M., Assistant Professor and RN-BSN Coordinator, Nursing

**Robb M. Waltner, M.L.S.** (University of South Florida) University Librarian

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

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

**Kristine Webb, Ph.D.** (University of New Mexico) Director, Disability Resource Center and

Professor, Exceptional Student and Deaf Education

**Christine Weber, Ph.D.** (Texas A&M University) Associate Professor, Childhood Education (Elementary and Gifted Education)

**Stephanie Weiss, MS** (Florida State University) Assistant University Librarian

**Donni Welch-Rawls, MS** (University of North Florida) Instructor, Clinical and Applied Movement Sciences

**Bart Welling, Ph.D.** (University of Virginia) Associate Professor, English

**Jennifer K. Wesely, Ph.D.** (Arizona State University) Associate Professor and Coordinator for the MSCJ Program, Criminology and Criminal Justice

**John W. White, Ph.D.** (University of Colorado) Associate Professor, Foundations and Secondary Education

**Justina M. Wilcox, B.S.** (Wayne State University) Laboratory Lecturer, Biology

**JeffriAnne Wilder, Ph.D.** (University of Florida) Assistant Professor, Sociology and Anthropology (Sociology)

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

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

**Lunetta M. Williams, Ph.D.** (University of Florida) Associate Professor, Childhood Education (Literacy 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) Foundations and Secondary Education

**James Wirth, Ph.D.** (Purdue University) Assistant Professor, Psychology

**Peter Wludyka, Ph.D.** (Clemson University) Professor, Mathematics and Statistics (Statistics)

**Carol Woodson, Ph.D.** (University of Florida) Assistant Professor, Construction Management

**Mark E. Workman, Ph.D.** (University of Pennsylvania) Professor, English

**Yongan Wu, Ph.D.** (University of Oklahoma) Assistant Professor, Languages, Literatures and Culture

**Richmond D. Wynn, Ph.D.** (University of Florida) Assistant 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

**Guy Yehuda, M.M.** (Indiana University) Associate Professor, Music (Music)

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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) Assistant Professor, Management

**Mei Zhao, Ph.D.** (Virginia Commonwealth) Associate Professor, Public Health (Health Administration)

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# University Emeriti Faculty

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## 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

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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)

**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

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

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

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

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

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## C

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

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

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

**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

**Kathleen F. Cohen, M.S.L.S.** (Florida State University) University Librarian Emerita

**Frederick M. Cole, Ed.D.** (University of Florida) Professor Emeritus of Accounting

**Sally A. Coltrin, Ph.D.** (University of Missouri) Professor Emerita of Management

**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

**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

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## E

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

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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

**Betty M. Flinchum, Ph.D.** (Louisiana State University) Professor Emerita of Curriculum and Instruction

**Linda Foley, Ph.D.** (University of Florida) Professor Emerita of Psychology

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

**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

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

**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

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

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## H

**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)

**John M. Hein, M.S.L.S.** (Wayne State University) University Librarian Emeritus

**William G. Herrold, Jr., Ed.D.** (Brigham Young University) Professor Emeritus of Curriculum and Instruction

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

**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

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## J

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

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

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## K

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

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

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## L

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

**Roy L. Lassiter Jr., Ph.D.** (University of Florida) Vice President Emeritus

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

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

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## M

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

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

**David G. Moore, Ph.D.** (University of Chicago) Professor Emeritus of Management

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## O

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

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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)

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

**Joseph M. Perry, Ph.D.** (Northwestern University) Professor Emeritus of Economics

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

**J. Patrick Plumlee, Ph.D.** (Rice University) Associate Professor Emeritus, Political Science and Public Administration

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

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## R

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

**Christine Rasche, Ph.D.** (Washington University) Associate Professor Emerita of Criminology

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

**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

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

**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

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

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## T

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

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

**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

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## W

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

**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

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

**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,  
Department of Music; Distinguished Professor

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# Teaching, Scholarship, and Service Awards

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## 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

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## **Outstanding Undergraduate Teacher 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 Giama, 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)  
Ms. Alison J. Bruey, 2012 (History)  
Dr. Sharon C. Cobb, 2012 (Economics and Geography)  
Dr. Judith Ochrietor, 2012 (Biology)  
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)

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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)

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## **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 Balamoune-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)

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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)

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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)

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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-Rubae, 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 Bali moune-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)

## **Outstanding Faculty Community Engaged Scholarship Award**

Dr. Barbara J. Kruger, 2013 (Nursing)

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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)

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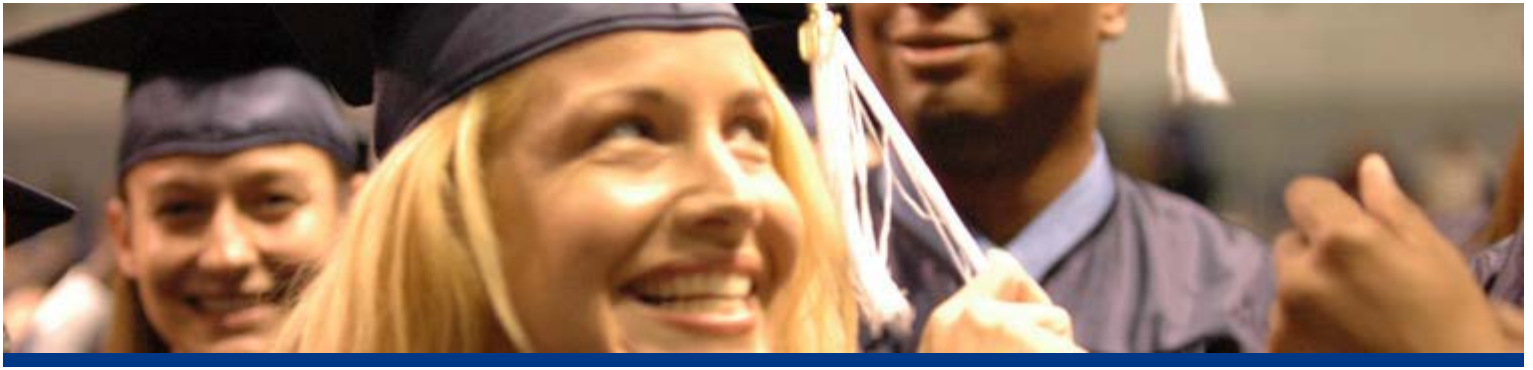
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# Visit UNF

## **An Invitation**

The University of North Florida invites you to visit its campus. Student tour guides will share their first-hand knowledge and student experiences while you take in our natural campus setting including stops at residence halls, classrooms, athletic facilities, and the student union. Limited space is available on each campus tour, so we request that those planning to attend reserve a space in advance. Individuals who need an accommodation because of a disability may notify our Visitors Center at least 48 hours before their arrival for assistance. All inquiries can be directed to the Visitors Center at (904) 620-1183.

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



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## 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.

To view these dates, times, and more, the UNF Academic Calendar is the right place to go.



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# Academic Advising

## Mission

The mission of the University of North Florida Academic Advising Program is to assist prospective, current, and returning students with the development of academic, personal, and professional goals. The members of the program are committed to providing individualized services to a diverse student population. Working cooperatively with the UNF community, advisors offer tools and resources to empower students in becoming lifelong learners.

## Advising Philosophy

Advisors at UNF 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.

## Objectives of Advising

As a result of advising, advisees should be able to:

- Understand and adhere to the University's academic policies, procedures and deadlines
- Navigate myWings and the UNF website
- Interpret their degree evaluation and [My Osprey Map](#) (Course Sequence Guide)
- Establish positive student-advisor relationships
- Acknowledge their own personal strengths and weaknesses
- Take responsibility for their actions and be engaged in their educational experience
- Be knowledgeable of their academic major requirements and career goals

## 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
- Encourage individualistic goals and decision-making
- 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

## 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





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# Freshman and Sophomore Academic Advising

## Academic Center for Excellence

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The Academic Center for Excellence (ACE) provides professional academic advising for all incoming students including transfer students who have less than 60 semester hours. ACE provides freshmen and sophomore students with specially trained academic advisors to assist students in identifying and working towards their academic goals. First-Time-In-College (FTIC) students are required to attend Freshman Orientation prior to enrolling in their first term at UNF. Special arrangements may be made for out-of-state or out-of-country students by contacting the Center at (904) 620-1012.

In addition to academic advising for freshmen and sophomore students, ACE offers a plethora of first year programs designed to ease students' transition from high school to college, provide fundamental academic skills as well as offering a variety of academic support services. The following ACE retention programs are FREE for UNF students and include:

- All freshmen will meet one on one throughout the year with their assigned academic advisor.
- Provide at risk students a year of targeted retention strategies including connections with Career Development, Study Skills, tutoring and additional resources as needed.
- Teach College Success Skills courses focusing on areas of student need which include Critical Thinking Skills, Essay Writing, Financial Responsibility, Memory Tips, Motivation, Note Taking Tips, Reading Strategies, Study Tips, Success Strategies, Test Anxiety, and Time Management. These workshops are geared towards developing positive learning habits, designing effective study techniques, exploring different learning strategies and reinforcing relevant knowledge.
- The Early Academic Progress Program (EAPP). Faculty refer underperforming students through an on line system to academic advisors in the Academic Center for Excellence (ACE). By alerting advising staff to students in academic distress early in the semester advisors are able to intervene with the student 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.
- Mid-term grade reports for freshmen alert advising staff to students who are not earning at least a "C" grade in coursework. Advising staff intervenes with the student to determine why the student is not being successful and identifies alternatives, options and or behavior changes to increase the student's opportunity to be successful.
- Peer tutoring in a variety of disciplines with heavy emphasis on math, the natural sciences and writing.
- Workshops for undecided students in conjunction with the Career Services office.

Visit the [ACE website](#) for the latest information on Tutoring and College Success Skills workshop schedules. Meet the staff and stay informed on academic policies, updates and academic



information in general.

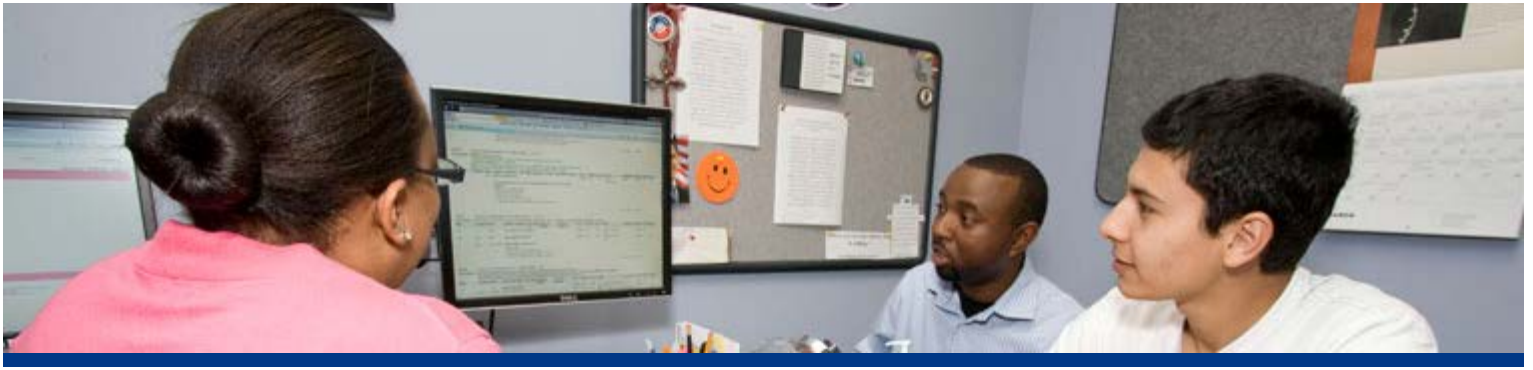


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# Junior and Senior Academic Advising

After the completion of 60 semester hours, students are required to spend time with an academic advisor in the college of their chosen major. Each college provides specially trained academic advisors to assist upper level students in successfully developing and completing their academic goals. Additionally, they provide resources for success that can only be found in the academic advising office. College academic advising offices are located below.

- [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) 620-2530



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# Honors Academic Advising

The Honors Program provides personalized academic advising for students enrolled in the UNF Honors Program. Students entering the program as a First Time in College Student (FTIC) , students with less than 60 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 [Honors website](#).



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# All Students

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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 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.



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# Criminal Offense Charges

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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 cancellation.



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## Equal Opportunity/Equal Access/Affirmative Action

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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 Diversity (EOD). For more information, contact the [Office of Equal Opportunity and Diversity](#).





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# International Student Requirements

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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 out" 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. Students with current insurance coverage may fill out the International Insurance Evaluation form available from the UNF Medical Compliance office. Students without insurance may purchase insurance through UNF Medical Compliance.
- 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.







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# Medical Compliance Requirements

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## **Immunization Policy**

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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/her stationery, that specifies the date seen, and stating that the person has had an illness characterized by a generalized rash lasting three (3) 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 ten-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 over 95% 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 must submit a letter explaining the circumstances.
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

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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 (Unless a waiver for alternate insurance has been submitted and approved) and has the same payment deadline.

### Alternate Insurance Waiver Plan

In order to apply for alternate insurance, students must submit an International Student Health Insurance Compliance Form. This form can be obtained online at  
<http://www.unf.edu/shs/immunization.aspx>.

This form may be submitted as early as you wish. The best way to avoid the UNF insurance fee from being assessed to your account is to submit these forms before tuition fees are assessed to your account (approximately three weeks before the first day of each semester.)

All alternate insurance waiver forms must be received by the last day of add/drop to be considered for approval. Once approved, the fee for insurance will be removed from the student's account.

**\*\*Please note that this may take up to a week to update in the system. Credits from the Cashier's Office could take up to an additional week to post. This is why we encourage students to get their waivers in early\*\***

Medical Compliance will not accept alternate insurance waiver forms after the add/drop cut-off date.



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# Residency

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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 Service at UNF](#).

To view the University's official regulation, [click here](#).



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# Special Admission Consideration based on a Disability

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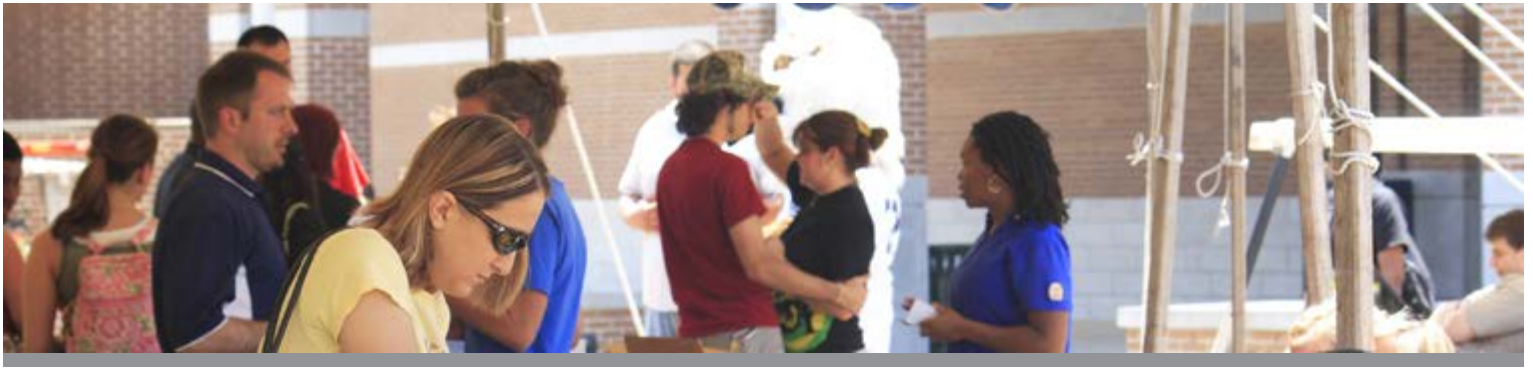
The University does not discriminate on the basis of disability in admission or access to its programs or activities. Students who do not meet general admission requirements and have documented proof of a disability (for example: blind or low vision, deaf or hard of hearing, motor or physical disabilities, psychological or emotional disorders, specific learning disabilities, ADHD/ADD, or other disabilities) may request consideration of the disability in the admission process. Students may voluntarily check the appropriate box about disability on the application and contact the Disability Resource Center (DRC) to discuss disability documentation requirements.

The University advises students with disabilities to register with the DRC immediately upon admission to UNF. **In order to provide accommodations, a student must be registered with the Disability Resource Center (DRC).**

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

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

To view the University's official regulation, [click here](#).



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# Students Seeking Re-Admission

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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 considered for re-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 One-Stop Student Services to confirm whether the appropriate documents (transcripts and test scores) are still on file and whether additional items are needed. 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.

Admissions offers are made for the term requested by the applicant. If the applicant does not matriculate, he or she may re-apply for a future semester. Supplemental documentation for non-matriculated applicants is kept for up to one year, but applications are term-specific and must be updated for admissions consideration.

To view the University's official policy, [click here](#).





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# Undergraduate and Post-baccalaureate Students

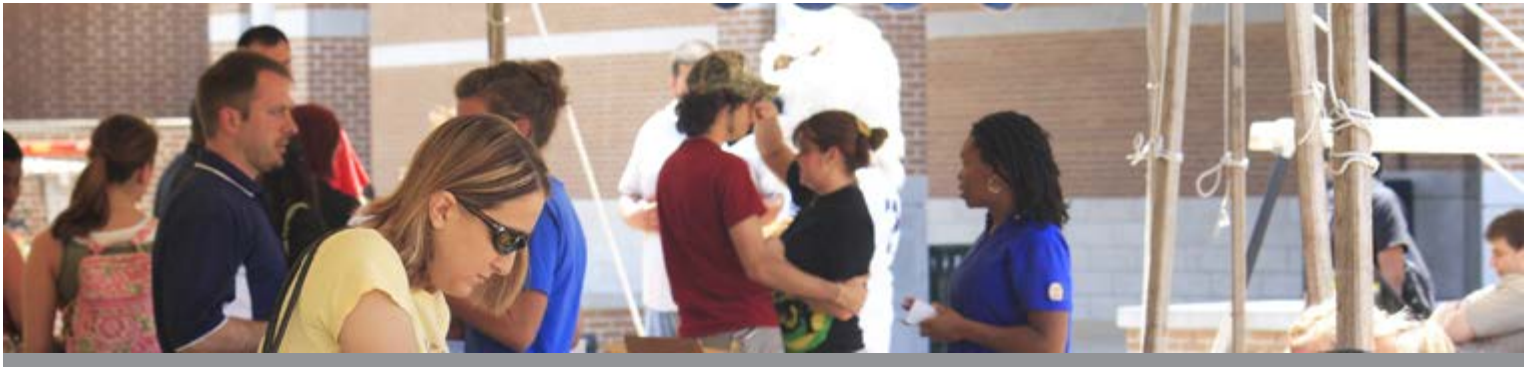
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The University of North Florida has grown into a popular destination for many aspiring students, and for good reason. Built on a strong foundation of academic excellence, the University offers wonderful experiences for a diverse and talented student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



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# Dual Enrollment and Early Admission

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Talented students in high school may accumulate college credits through two special, non-traditional programs: dual enrollment and early admission. Students who wish to apply to either of these programs must be recommended by appropriate high school officials. Eligibility for participation is set by written agreement between the school district and UNF.

Neither early admission nor dual enrollment students are eligible for UNF Admissions scholarships or financial aid.

Dual enrollment is a program in which an academically talented student receives permission from the high school to take one or more college courses on the UNF campus while currently enrolled in high school. Dual enrollment students are limited to taking courses required for their high school graduation. All UNF courses to be taken by the student must be approved by the appropriate high school officials.

UNF offers a limited number of dual enrollment courses. Home, public or private school students who plan to participate in dual enrollment should do so in close consultation with their high school guidance counselor to ensure the courses meet one of the following criteria:

1. Meet UNF general education requirements
2. Meet prerequisite or lower division requirements for the student's intended major
3. Substitute for 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.

## Eligibility

Eligibility for participation in the Dual Enrollment program is set by written agreement between the school district and UNF. All applications must be received before the posted general admissions deadline.

### To qualify for dual enrollment, a student must:

- Submit a UNF Dual Enrollment application. (Note: Application is valid for one semester only. A new application 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 and at least 18 high school credits.
- Submit official ACT or SAT scores taken within the last two years (minimum 24 ACT or 1100 SAT).
- 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
- Submit a Dual Enrollment Term of Agreement with signatures from high school principal,



counselor, and parent, available through the high school guidance counselor or UNF's Admissions Office. (Note: Term of Agreement is valid for one semester only. A new agreement must be submitted by the deadline every semester the student wishes to participate in Dual Enrollment.)

## **Registration**

Dual enrollment students register for classes each semester during open registration. Before registering each term, an application, updated high school transcripts, and a signed terms of agreement form must be submitted. All course prerequisites must be satisfied before registering.

Students admitted for Dual Enrollment will receive a waiver of tuition fees for any course taken at UNF that can also be used for high school graduation.

## **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 is in compliance with Florida Statute 232.02, which regulates home education programs. Home school students must meet the admission criteria outlined above in order to participate in dual enrollment at UNF, including the submission of official transcripts.

## **Early Admission**

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The Early Admission Program provides opportunities for talented students to be admitted as a degree seeking college freshman prior to high school graduation. Students who wish to apply for early admission at UNF must be recommended by the appropriate high school officials. The student who is accepted for the Early Admission Program completes the first year in college and the senior year of high school simultaneously. Credit earned through this program with grades of "C" or higher may be used in degree programs at UNF. The University waives the cost of tuition and fees (excluding textbooks) for in-state residents for each course that the high school will accept for graduation.

## **Eligibility**

To qualify for early admission, a student must submit the following by the posted general admission deadline:

- Admissions Application
- \$30 Application fee
- Early Admission Terms of Agreement with signatures from high school principal, counselor, and parent (available through the UNF Admissions Office)
- Official high school transcripts reflecting a 3.5 weighted high school GPA or higher based on academic units
- Official ACT or SAT scores taken within the last two years (minimum 28 ACT or 1200 SAT)
- Immunization Form

## **Registration**

Early admission students may register for classes ONLY after participating in freshman academic advising.

## **Continuation at UNF**

Early admission students will not be permitted to register for the fall term following their anticipated high school graduation date unless they have submitted an official, final high school transcript to the Office of Admissions.

*For additional information about Dual Enrollment and Early Admission programs, please contact your high school guidance counselor or the UNF Office of Admissions.*



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# First-Time-in-College Admission Requirements

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## 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. Scholastic Assessment Test (SAT) and American College Test (ACT) scores reflected on the high school record are considered official. Because UNF's freshman class is limited in size, admission is selective.

## Application Requirements

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

- Admission application
- \$30 Application fee
- High school transcripts
- 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.

## 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 encouraged to submit an [online application](#); however the paper version may be printed and submitted via mail or in person. Incomplete or illegible applications will not be processed. Applicants are directly responsible for providing accurate contact information.

## 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 online; 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 units in college preparatory courses, giving extra weight 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 units of English
- Four units of math (Algebra 1 or higher)
- Three units of natural science
- Three units of social science
- Two successive units of (the same) foreign language
- Two units 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 [IB](#), [AP](#), [AICE](#), [Dual Enrollment](#), [CLEP](#), [DANTES](#), or military SMART/AARTS transcripts.

## SAT and/or ACT score reports

It is the student's responsibility to ensure that official SAT and/or ACT scores have been received by the Office of Admissions by the deadline. Multiple scores are accepted and the best subsection scores will be considered. Writing portions of both tests are required. UNF's SAT code is 5490 and ACT code is 0711.

## 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 State of Florida has implemented new **minimum** admission standards for freshman applicants to all Florida public state universities. In order to be considered, students must have a minimum 2.5 recalculated GPA on a 4.0 scale and meet minimum test score requirements (460 SAT Critical Reading, 460 SAT Math, 440 SAT Writing; or 19 ACT Reading, 19 ACT Math, 18 ACT English/Writing). **Please keep in mind that these 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 their decisions are posted on their MyWings account under the Application Status link. Periodically, emails 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**

A student who is denied admission to UNF for academic reasons only, has a right to appeal that decision. If they choose to appeal, the student must submit a letter of appeal or supporting documentation, clearly stating the reasons why they believe they should be admitted to the university. Students should submit this document to:

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

To view the University's current official policy, [click here](#).



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# Foreign Language Requirement

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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.

To view the University's official regulation, [click here](#).



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# Freshman Housing Requirement

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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

- Have higher grade point averages,
- 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.

Consistent with this perspective and to ensure the quality of the first year experience, as of summer 2012, the University of North Florida will require all first-year students to live in on-campus housing. UNF students who begin in the summer term are required to live in campus housing in the summer, fall and spring terms. Students who begin the fall term will need to live in on-campus housing during the fall and spring terms. Students enrolling in the spring term will need to live on campus during that first spring term and during the next term the student is enrolled (summer or fall).

When living in campus housing during the first year, students must also purchase an on-campus meal plan. There are several different meal plans to choose from depending on the student's individual needs. The minimal plan provides for 10 meals per week.

Details about fulfillment of this requirement including our exemption policy are available on [website](#).





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# International Students Admission

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## 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.

1. **Application Forms:** International students must complete and submit an application for admission. UNF's application is available on the [website](#).
2. **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.
3. **Academic Records and Credentials Evaluation:** Applicants must submit official academic credentials in the form of original documents bearing the seal of the institution and the signature of their institution's Registrar, or exact copies that have been legally certified. The UNF International Center may provide the applicant with the following academic records and credentials evaluations services only if the original documents have literal and complete translations in English:
  - o Document-by-document evaluation (degree, diploma, GPA); and
  - o College level course-by-course evaluations (with GPA and credits).

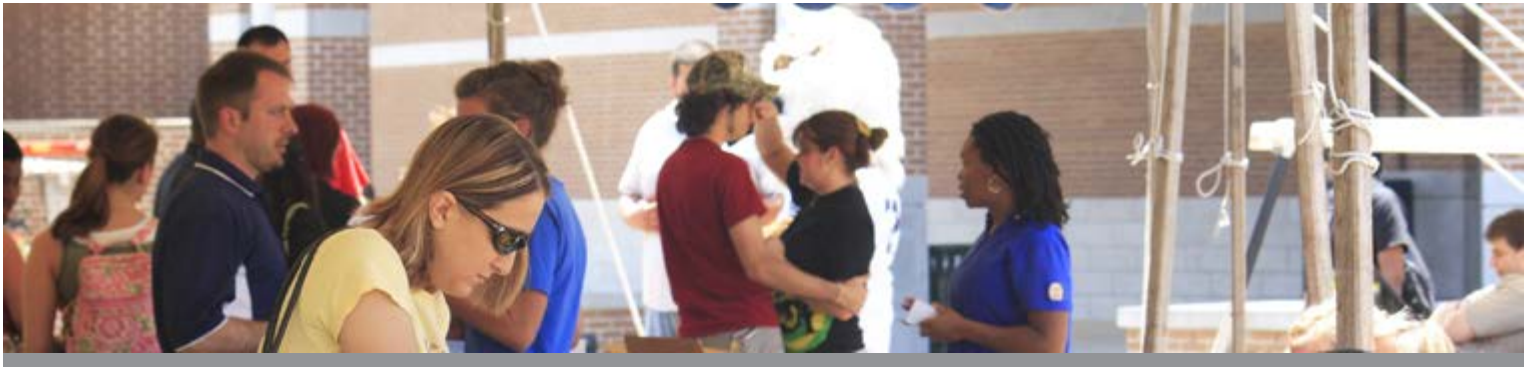
Please note that due to the complexity of certain foreign credentials evaluation requests, the UNF International Center reserves the right to ask applicants to contact an external evaluation agency directly and provide UNF with an original evaluation of all academic credentials. Transcripts or credentials not in English or records for which U.S. course equivalencies are not readily available must undergo a course-by-course evaluation by a reputable foreign transcript and credentials evaluator. A list of acceptable credentials evaluators can be found at the Web pages of [NACES](#) (National Association of Credential Evaluation Service).

4. **SAT and ACT Test Scores:** All lower-level applicants must submit official test scores from the SAT Reasoning Test or the ACT (American College Test).
5. **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); for those applicants, a minimum score of 500 for paper-based, 173 for computer-based, and 61 for Internet-based is required for admissions consideration. 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.

To view the University's official regulation, [click here](#).





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# Limited Access & Selective Admission Programs

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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 listed for additional information.

### Brooks College of Health

- [Athletic Training](#)  
Additional information is available from the 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

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

### College of Computing, Engineering & Construction

- [Civil Engineering](#)  
Additional information is available from the School of Engineering, College of Computing, Engineering & Construction.
- [Electrical Engineering](#)  
Additional information is available from the School of Engineering, College of Computing, Engineering & Construction.

- [Mechanical Engineering](#)

Additional information is available from the School of Engineering, College of Computing, Engineering & Construction.

#### **College of Education & Human Services**

- [Education](#)

Additional information is available from the Office of Academic Advising, College of Education & Human Services.



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# Non-Degree Seeking and Special Status Students

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Individuals may seek admission to UNF in a non-degree seeking or special status for one semester by submitting an application for admission and a \$30 application fee to One-Stop Student Services by the appropriate deadline for the desired semester. Upon admission, the student may register for one term in a non-degree seeking / special student category. Non-degree / special students wishing to continue at UNF beyond one term must consult One-Stop Student Services regarding formal admission procedures and policies. Successful completion of coursework in this status does not guarantee admission to the University.

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 recommended by the dean or designee of the college which administers the program.

First-time-in-college freshmen are prohibited from enrolling as non-degree seeking / special students. Students enrolled in a non-degree / special status will register for classes on a space-available basis and are not eligible for financial aid at UNF.

To view information on transient enrollment, [click here](#).



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# Post-Baccalaureate Students

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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. While graduate students meet the conditions of this definition, 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.

Listed below are the minimum required materials for post-baccalaureate students to submit in order to be evaluated for a decision. Additional documentations may be requested, and additional requirements may exist for students applying as degree-seeking to a limited access/selective admissions programs.

- 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.

Within curriculum, space, and fiscal limitations, 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 undergraduate courses and select graduate courses with permission from the department offering the courses. These courses are generally intended for personal interest and not taken in the pursuit of formalized educational goal. 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 working on undergraduate prerequisites necessary for admission into a graduate program. Students in this status are not eligible for financial aid. Additional information is available from [The Graduate School](#).

Students interested in attending in a post-baccalaureate status may consult One-Stop Student

Services for additional information. 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 may be obtained from The Graduate School.



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# Transfer Student Admission Requirements

Apply Now ▶

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

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Students who apply with fewer than 60 [transferable](#) semester hours (90 transferable quarter hours) of college course work will be considered for admission to the freshman or sophomore class. Admission requirements will vary by major, term, and space-availability. In order to be considered, the following criteria must be met:

- Satisfy the same admissions requirements as incoming freshmen applicants, including meeting the State University System sliding scale with high school GPA and SAT/ACT scores.
- 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.

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.

Listed below are the minimum required materials for lower-level students to submit in order to be evaluated for an admission decision. Additional documentation may be requested.

- Admission application
- \$30 application fee
- Official high school transcripts
- Official 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 [AP](#), [AICE](#), [CLEP](#), [DANTES](#), [IB](#), and any military SMART/AARTS/JST transcripts

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

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

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Students who have completed an Associate in Arts (A.A.) degree at a Florida public post-secondary institution (university, community, state, or junior college); students who fall under the provisions of specific articulated programs; or students 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 [AP](#), [AICE](#), [CLEP](#), [DANTES](#), [IB](#), and any military SMART/AARTS/JST transcripts.

All transcripts and test scores must be official, arriving to One Stop Student Services 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**

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

## **Decision Notification Process**

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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 their decisions are posted on their MyWings account under the Application Status link. Periodically, emails 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**

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A student who is denied admission to UNF for academic reasons only, has a right to appeal that decision. If they choose to appeal, the student must submit a letter of appeal or supporting documentation, clearly stating the reasons why they believe they should be admitted to the university. Students should submit this document to:

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

To view the University's current official policy, [click here](#).





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## Graduate Students

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The Graduate School at the University of North Florida offers excellence through graduate education relevant to students who wish to continue learning beyond their baccalaureate degrees and pertinent to the communities in which they serve. With small class sizes and engaged professorship, the Graduate School provides professionals and academics the unique learning opportunities which have come to distinguish UNF from other state universities.

Inquiries are welcomed by phone at (904) 620-1360 or by e-mail at [graduateschool@unf.edu](mailto:graduateschool@unf.edu). Or visit us on campus within J J. Daniel Hall, Building 1, Suite 2000.

# Admissions Procedures

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**John Kantner**, Dean, The Graduate School

**Amanda Pascale**, Director, The Graduate School

## Getting Admitted into UNF

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

1. All graduate applicants must complete and submit an online application at the [Graduate School](#). Applicants in need of the application in an alternate format can contact the Graduate School for assistance at (904) 620-1360.
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 each and 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](http://www.ets.org) for more information regarding the GRE. Students may visit [www.mba.com](http://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. Send 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 us. The

Graduate School no longer mails admission decision letters. Instead, all admission decisions are posted in myWings along with an electronic letter.

# Standard Admission Requirements

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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 timeframe 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 my Wings and clicking on "My UNF Communications."

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 at the beginning of every semester. Required of all new students, this program reviews your rights and responsibilities and also provides an opportunity for you to meet with your fellow international students.

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](http://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 at [www.unf.edu/graduateschool/](http://www.unf.edu/graduateschool/).

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** Applicants must submit official academic credentials in the form of original documents bearing the seal of the institution and the signature of their institution's Registrar, or exact copies that have been legally certified. The UNF International Center may provide the applicant with the following academic records and credential evaluations services only if the original documents have literal and complete translations in English:
  - Document-by-document evaluation (degree, diploma, GPA)
  - College level course-by-course evaluations (with GPA, course levels, and credits)

Please note that due to the complexity of certain foreign credential evaluation requests, the UNF International Center reserves the right to ask applicants to contact an external evaluation agency directly and provide UNF with an original evaluation of all academic credentials. Transcripts or credentials not in English or records for which U.S. course equivalency is not readily available must undergo a course-by-course evaluation by a reputable foreign transcript and credentials evaluator. A list of acceptable credentials evaluators can be found at the web pages of NACES

(National Association of Credential Evaluation Service) at [www.naces.org/members.htm](http://www.naces.org/members.htm).

- **GRE and GMAT Test Scores** Applicants must take the required graduate tests — the GRE or the GMAT as required by their intended program — and arrange for the Educational Testing Service to forward the scores to the Graduate School at UNF. UNF's institutional code is 5490 for the GRE and CF3QB-51 for the GMAT.
- **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 graduate students in the Coggin College of Business and our graduate engineering programs, 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](http://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) 620-2175, fax (904) 620-2901 or visit the [Student Health Services website](#).

## Estimated Student Expenses

The following are estimated expenses for international students enrolled in graduate programs during the 2013-2014 academic year (fall 2013 and spring 2014). The costs for summer are additional. The estimated costs provided below are subject to change by the State of Florida Legislature.

Tuition and fees (9 credit hours each term)	\$18,738.00
Books and supplies	\$900.00
Room and board	\$8,880.00
Miscellaneous expenses	\$6,415.00
Estimated Total	\$34,933.00





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# Graduate Student Admission Status Types

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## **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 conditionally accept applicants who do not meet the graduate admission requirements. These applicants must meet the conditions stipulated by the program administrator of the graduate program in question. Such conditions might include, but are not limited to, successfully completing a prescribed series of graduate courses (a “trial” program).

Different programs use provisional admissions in different ways. Some will provisionally accept applicants who have met graduate admission requirements but not all of the program specific requirements. Other programs will provisionally admit an applicant who has not met all undergraduate prerequisite courses and permit this person to enroll in a limited number of 5000-level courses while working to complete prerequisites. Other programs, however, require a provisionally admitted student to fulfill all undergraduate course prerequisites before enrolling in graduate courses.

## **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 10 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 of his or her interest.

## **Certificate Program Admission**

An applicant who meets the admission requirements for a certificate program is permitted to take a limited number of graduate courses. Some of these certificate programs require prior completion of



a baccalaureate degree, while others require prior completion of a master's degree. These programs result in the student receiving a non-degree certificate awarded by UNF or in completing the course work required for state licensure or certification. 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.

### **Special Admissions for Veterans**

To be eligible for VA benefits, veterans who seek Provisional Admission as Transient or Inter-Institutional Transient students must meet the conditions stipulated by the Office of Veterans Affairs. The UNF office of Veterans Affairs can be contacted at (904) 620-5555.

### **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 Diversity (EOD). Inquiries about policies and practices may be directed to the EOD Office at (904) 620-2507.



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# Articulation Agreements and Institutional Agreements

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The University of North Florida acknowledges formalized articulation agreements in an effort to support the transfer of students from certain institutions into four-year programs. This section outlines the types of articulation agreements that are accepted at UNF. For more information about articulated programs, please contact the Office of Admissions.

## Statewide 2+2 Articulation Agreement

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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 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, except to 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 universities
- Adherence to the university requirements and policies, based on the catalog in effect at the time the student first enters the community 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 this agreement are 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

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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 with an agreement that is documented and maintained by the Articulation Coordinating Committee shall be granted admission to a public postsecondary institution in the program designated to articulate with their degree, except for limited access programs 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

Read [this document](#) for specifics regarding transferability of credits and additional state requirements.

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. It is recommended that students contact UNF before applying through this agreement.

## **Interinstitutional Articulation Agreements**

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UNF may also enter into program-specific articulation agreements with certain institutions when there is interest from both parties. These specific articulation agreements are kept on file in the Office of Admissions.



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- [Dean's Message](#)
- [Vision, Mission and Values of the College](#)

## [Welcome to Brooks College of Health](#)

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Could you picture yourself in a remote village in Ghana, immersed in a culture foreign to you and helping a mother deliver her child? Now imagine a famous professional athlete as he sprints on a treadmill, with you standing beside him to measure his lung capacity. Envision a room full of children in the heart of Jacksonville's impoverished urban core, listening intently as you teach them about the importance of hand washing – lessons they desperately need to hear.

These experiences are not fiction. Students in the Brooks College of Health have had these opportunities – and more – as a result of our understanding that students' education has more impact through transformational learning opportunities.

### **Our Programs**

In the University of North Florida Brooks College of Health, we pride ourselves as being a leader in the preparation of the highest quality health care professionals dedicated to serving the community. For this reason, the College is continually working to provide specialized programming in a wide range of health care fields. Currently, the Brooks College of Health offers Bachelor's degrees in Health with specializations in Community Health, Athletic Training, Exercise Science, and Health Administration. We also offer a Bachelor of Science in Nutrition and in Nursing as well as an RN-BSN program for registered nurses desiring to further their education.

Our graduate programs include a Master's degree in Nursing, Public Health, Health Administration, Clinical Mental Health Counseling, Aging Services Management, Exercise Science and Chronic Disease, and Nutrition. We also offer two doctoral degrees: a Doctorate of Nursing Practice and a Doctorate of Physical Therapy. In 2015, the third clinical doctorate will be added in Nutrition and Dietetics.

An integral part of each of these outstanding programs is the emphasis on quality time in clinical settings and laboratories, the use of the most up-to-date technologies, innovative faculty and student research, and the opportunity for hands-on learning experiences. Of course, all of these diverse programs and learning opportunities are directed and enhanced by our outstanding faculty.

We know there is no one like you. We believe there is no place quite like this. While academic rigor and meticulous professional experiences are the hallmarks of an education at the Brook College of Health, there is very much a culture of caring. We are dedicated to providing the highest quality health care.

I hope you will take some time to learn more about the Brooks College of Health and all that we

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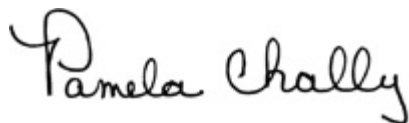
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have to offer. While exploring our program offerings, college news, alumni activities and faculty home pages, you will find that we are dedicated to providing the utmost in quality health care education.



Pamela S. Chally, PhD, RN  
Dean, Brooks College of Health  
University of North Florida  
pchally@unf.edu

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## Vision, Mission and Values of the College

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### Vision

To gain national recognition as a leader in the study of health and the preparation of health professionals through outstanding teaching, scholarship, and service.

### Mission

To develop competent and caring health professionals for the 21st century who are diligent in the pursuit of knowledge, make significant contributions to the communities and individuals that they serve, and become leaders of their chosen professions.

### Values

In the fulfillment of our mission, the Brooks College of Health upholds the following values:

**Collegiality:** We support a culture characterized by open communications, collaboration, and cooperation.

**Diversity:** We treat everyone in our diverse community with consideration, dignity and mutual respect.

**Excellence:** We hold each other to the highest standard of quality and performance.

**Fulfillment of Potential:** We are committed to development through lifelong learning.

**Integrity:** We conduct ourselves in an ethical and respectable manner.

**Professionalism:** We are role models of professionalism who always demonstrate the highest professional standards and caring attitudes for our clients.

**Quality:** We are dedicated to the never-ending pursuit of improving healthcare for the benefit of our patients.

**Responsibility:** We are responsible for our attitudes and actions.

**Service:** We provide service to our university, communities and professions.

**Well-Being:** We promote physical, emotional, and social well-being.

### Goals

- 1: Strengthen Quality and Reputation of Academic Programs
- 2: Increase Degree Productivity and Program Efficiency.
- 3: Increase the Number of Degrees Awarded in STEM and Other Areas of Strategic Emphasis.
- 4: Strengthen the Quality and Reputation of Scholarship, Research, and Innovation.
- 5: Increase Research and Commercialization Activity.
- 6: Increase Collaboration and External Support for Research Activity.

7: Strengthen the Quality and Recognition of Commitment to Community and Business.

8: Increase Levels of Community and Business Engagement.

9: Increase Community and Business Workforce.

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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 Athletic Training](#); [Bachelor of Science in Health, Exercise Science Concentration](#); [Masters of Science in Health, Exercise Science and Chronic Disease](#); and [Doctor of Physical Therapy](#).

The Bachelor of Science (BS) in Athletic Training will prepare students for the Board of Certification Examination to become a Certified Athletic Trainer and a career at the secondary school, college and university, and professional athletic, clinic, hospital, industrial, and performing arts settings. The Athletic Training Program is fully accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Information about the accreditation status can be obtained from CAATE at <http://www.caate.net>. [Click here](#) for admission and degree requirements.

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. [Click here](#) for admission and degree requirements.

The Masters of Science in Health (MSH), Exercise Science and Chronic Disease (ESCD) integrates advanced training in exercise science and epidemiology. The field of Exercise Epidemiology examines the relationship(s) between physical activity, sedentary behavior and fitness level with chronic diseases ubiquitous in today's society. The MSH in ESCD is a graduate degree that integrates advanced training in exercise science and epidemiology. [Click here](#) for admission and degree requirements.

Physical Therapists are health professionals who work with individuals in preventing, evaluating, and treating physical dysfunction and injury. An understanding of human movement serves as the foundation for the practice of physical therapy. The Physical Therapy Program at the University of North Florida (UNF) provides graduates with the knowledge and skills to become generalist practitioners of the highest caliber. Physical therapists are graduates of an accredited physical therapy program who have passed a licensure examination. UNF's Physical Therapy Program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), and graduates are eligible to take the national licensure examination. [Click here](#) for admission and degree requirements.

# Department of Clinical & Applied Movement Sciences Faculty

**Joel W. Beam**, Ed.D, A.T.C., L.A.T., Associate Professor, Chair

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## Program Directors

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**Michelle Boling**, Ph.D, A.T.C., L.A.T., Associate Professor, Athletic Training Education Program

**James Churilla**, Ph.D., MPH, RCEP, FACSM, Associate Professor, Graduate Exercise Science

**Peter Magyari**, Ph.D., HFS, CSCS, Associate Professor, Undergraduate Exercise Science

**Paul Mettler**, Ed.,D, P.T., Associate Professor & Director

## Undergraduate Faculty

**Bryan Anderson**, MS, ATC, LAT, Adjunct Instructor

**Joel W. Beam**, EdD, ATC, LAT, Associate Professor

**Michelle Boling**, PhD, ATC, LAT, Associate Professor

**Bernadette Buckley**, PhD, ATC, LAT, Associate Professor

**Timothy Burrows**, MS, Adjunct Instructor

**Leo Calderon**, MPT, ATC, LAT, CCCE, Adjunct Instructor

**Melissa Conway-Hartman**, MEd, ATC, LAT, Instructor

**Tyler Guthrie**, MS, CSCS, Adjunct Instructor

**Christopher Joyce**, PhD, ATC, LAT, CCRA, CSCS, Associate Professor

**Jamie Kennedy**, MS, ATC, LAT, Adjunct Instructor

**Peter Magyari**, PhD, HFS, CSCS, Associate Professor

**Michael Richardson**, MSH, Adjunct Instructor

## Graduate Faculty

**Chitra Lakshmi K Balasubramanian**, PT, PhD, Assistant Professor

**Mark Baughman**, PT, ATC, OCS, Adjunct Instructor

**James Churilla**, PhD, MPH, RCEP, FACSM, Associate Professor

**Brain Hagist**, PT, Adjunct Instructor

**Nicholas LaRosa**, PT, DPT, OCS, FAAOMPT, Adjunct Instructor

**Beven Livingston**, PT, PhD, ATC, Assistant Professor

**Joseph Lucca**, PT, PhD, DPT, GCS, Associate Professor

**Mary Lundy**, PT, MS, DPT, C/NDT, Assistant Professor

**Paul Mettler**, PT, EdD, Associate Professor

**Cynthia Neville**, PT, DPT, WCS, BCB-PMD, Adjunct Instructor

**Sherry Pinkstaff**, PT, PhD, DPT, Assistant Professor

**Dawn Saracino**, PT, DPT, NCS, Senior Instructor

**William Weakland**, PT, DPT, Adjunct Instructor

**Donni Welch-Rawls**, PT, DPT, MS, Instructor





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# School of Nursing

## [Baccalaureate Nursing Program](#)

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The [baccalaureate nursing program](#) is accredited by the Commission on Collegiate Nursing Education. The School of Nursing is committed to providing opportunities for students to pursue their first professional degree in nursing. The program is designed to encompass both liberal arts and professional studies. The primary goal of the program 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 program. Graduates are prepared to function not only as professional practitioners, but also as educated citizens capable of effecting and dealing with change in society. The program also provides a strong basis for continuing education and graduate study in nursing. [Click here for admission and degree requirements.](#)

## [Graduate Nursing Programs](#)

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The School of Nursing offers a variety of graduate tracks for advanced studies in nursing including a Master of Science in Nursing (MSN) track for Clinical Nurse Specialist, as well as a post-graduate track for the Family Nurse Practitioner certificate.

Additionally, several tracks exist for the Doctor of Nursing Practice program. These include the BSN-DNP Family Nurse Practitioner (FNP) track, BSN-DNP CRNA track, and the post-MSN DNP track. The post-MSN DNP track is designed as a post-graduate degree program for those who already possess, at a minimum, a MSN and specialty certification. While the BSN-DNP FNP and BSN-DNP CRNA tracks are offered on campus, the post-MSN DNP track offers on-campus hybrid and fully online enrollment options. [Click here for admission and degree requirements](#)

## [School of Nursing Faculty](#)

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**Lillia M. Loriz**, Ph.D., G.N.P., B.C., Professor & Director, School of Nursing  
**Kathaleen C. Bloom**, Ph.D., C.N.M., Professor & Associate Director, Undergraduate Studies

### [Undergraduate Program Coordinators](#)

**William D. Ahrens**, M.S.N., R.N., Director, Regular Prelicensure B.S.N.  
**Cynthia Cummings**, Ed.D., R.N., Director, Accelerated Prelicensure B.S.N.  
**Debra Wagner**, Ph.D., C.N.M., Director, R.N.-B.S.N.

### [Faculty](#)

**Pamela S. Chally**, Ph.D., R.N., Professor  
**Lucy B. Trice**, Ph.D., A.R.N.P., B.C., Professor Emeritus  
**Jan, Meires**, Ed.D., A.R.N.P., B.C., Professor  
**M. Catherine Hough**, Ph.D., R.N., Associate Professor

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**Barbara Kruger**, Ph.D. R.N., Associate Professor  
**Barbara Olinzock**, Ed.D., R.N., Associate Professor  
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**Katherine Robinson**, Ph.D., R.N., Associate Professor  
**Irma Ancheta**, Ph.D., R.N., Assistant Professor  
**Judy Comeaux**, D.N.P., A.R.N.P., Assistant Professor  
**Bonnie Pope**, Ph.D., F.N.P., B.C., Assistant Professor  
**Connie Roush**, Ph.D., R.N., Associate Professor  
**Peggy L. Hoff**, M.N., A.R.N.P., B.C., Senior Instructor  
**Julie Baker-Townsend**, M.S.N., A.R.N.P. B.C., Instructor  
**Linda Connelly**, M.S.N., A.R.N.P., Instructor  
**Jane Sander**, D.N.P., A.R.N.P., Instructor  
**Mary Ellen Locklear**, M.S.N., Instructor

## Graduate School of Nursing

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**Lillia M. Loriz**, Ph.D., G.N.P., B.C., Professor & Director, School of Nursing  
**John P. McDonough**, Ed.D., C.R.N.A., Professor & Associate Director for Graduate Nursing Programs

### Graduate Program Directors

**John P. McDonough**, Ed.D, C.R.N.A., Professor & Director, Nurse Anesthetist Program  
**Michele Bednarzyk**, D.N.P, F.N.P., B.C., Assistant Professor & Program Director, Nurse Practitioner and Clinical Nurse Specialist Programs

**Gerard Hogan**, D.N.S.C., C.R.N.A., Assistant Professor & Director, Doctor of Nursing Practice Program

### Faculty

**Kathaleen C. Bloom**, Ph.D., C.N.M., Professor  
**Pamela S. Chally**, Ph.D., R.N., Professor  
**Carol Ledbetter**, Ph.D., ARNP, B.C., F.A.A.N, Professor  
**Patrick Monaghan**, Ph.D., Professor  
**Jan Meires**, Ed.D, A.R.N.P., B. C., Professor  
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**M. Catherine Hough**, Ph.D., R.N., Associate Professor  
**Barbara Kruger**, Ph.D., R.N., Associate Professor  
**Barbara Olinzock**, Ed.D, R.N., Associate Professor  
**Doreen Radjenovic**, Ph.D., A.R.N.P., B.c., Associate Professor  
**Katherine Robinson**, Ph.D., R.N., Associate Professor  
**Irma Ancheta**, Ph.D., R.N., Assistant Professor  
**Connie Roush**, Ph.D., R.N., Associate Professor  
**Michele Bednarzyk**, D.N.P., A.R.N.P., B.C., Assistant Professor  
**Cynthia Cummings**, Ed.D., R.N., Assistant Professor  
**Jurgen Osterbrink**, Ph.D., R.N.A., Clinical Professor  
**Debra Wagner**, Ph.D, C.N.M., Assistant Professor  
**Gerard Hogan**, D.N.S.C., C.R.N.A., Assistant Professor  
**Jane McCarthy**, Ph.D., A.R.N.P., F.A.A.N, Professor  
**Tammy Carroll**, M.S.N., C.R.N., Instructor & Assistant Program Director, Nurse Anesthetist Program  
**Debron Harmon**, M.S.N, C.R.N.A., Instructor  
**Jonathon Pabalate**, D.N.P., C.R.N.A., Assistant Instructor  
**Ryan Shores**, M.S.N, C.R.N.A., Instructor



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# Department of Nutrition & Dietetics

## Undergraduate Program

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The Department of Nutrition and Dietetics offers a rigorous undergraduate program culminating in a Bachelor of Science in Nutrition and Dietetics degree. The UNF Nutrition & Dietetics Program is also called a Didactic Program in Dietetics (DPD) and 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 200, Chicago, IL 60606-6995 ([acend@eatright.org](mailto:acend@eatright.org)).

Program graduates are encouraged to pursue the registered dietitian (RD) credential which requires the completion of a competitive post-baccalaureate ACEND accredited dietetic internship and passage of the national RD examination. Other options are to seek professional employment in food service management or nutrition education, and/or further their education. RD's work with diverse populations in a variety of settings including hospitals, wellness centers, clinics, food and supplement companies, health agencies, nursing homes, school districts, universities, and mental health centers. Many RD's own businesses as well.

To learn more about the nutrition profession and dietetic internships, visit the website of the [Academy of Nutrition and Dietetics](#). To view the program requirements, [click here](#).

## Graduate Program

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The [Department of Nutrition and Dietetics](#) offers a Master of Science in Nutrition and Dietetics with three specialization options. These 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 three options to this 43-credit-hour program.

### 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 practice experience and become eligible to sit for the National Registration 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 distance learning 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 Exam. This is a 43-semester hour program. To view admission and degree requirements for the The MS/Dietetic Internship [click here](#) (put link)

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, 120 Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312/899-0040 ext. 4872 or

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5400. 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 Internship experience in order to receive a verification statement and sit for the Dietetic Registration Exam.

### **Options 2 and 3 The Master of Science in Nutrition and Dietetics/Thesis or Non-Thesis**

These two options are for Registered Dietitians who wish to pursue graduate training with an emphasis in clinical or community dietetics. The coursework for all these programs is delivered using an accelerated distance learning format. These M.S./Nutrition thesis or non-thesis options allow students to pursue an independent research project as a culminating experience in their master's program or 12 pre-approved credits through a series of project, field experience, and independent study courses, respectively.

### **Admission Requirements**

To view admission and degree requirements for the MS thesis and non-thesis programs [click here](#)

### **Individualized Supervised Practice Program (ISPP)**

<http://onlinedegree.unf.edu/programs>

The University of North Florida's Department of Nutrition and Dietetics is also piloting a new 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. The Individualized Supervised Practice Program of UNF is essentially 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. The information about, and fees for, [click here](#).

## **Department of Nutrition & Dietetics Faculty**

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**Judith Rodriguez**, Ph.D., R.D., L.D./N., F.A.D.A., Professor & Chair

### **Program Directors**

**Jacqueline Shank**, M.S., R.D., L.D./N, Undergraduate Program Director & Instructor

**Catherine Christie**, Ph.D., R.D., L.D./N., F.A.D.A., Associate Dean & M.S.H. Nutrition Program Director

**Claudia Sealey-Potts**, Ph.D., R.D., M.S./D.I., Assistant Professor

### **Faculty**

**Jenna Braddock**, M.S.H., C.S.S.D., R.D.

**Alireza Jahan-mihan**, Ph.D., R.D., Assistant Professor

**Corrine Labyak**, PhD, R.D., Assistant Professor

**Jill McCann**, M.S.H., R.D.Instructor

**Judy Perkin**, Dr. P.H., R.D., CHES, Professor

**Jen Ross**, M.S.H, R.D., Instructor

**Zhiping Yu**, Ph.D., R.D., Assistant Professor



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# Department of Public Health

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The [Department of Public Health](#) offers undergraduate programs culminating in a [Bachelor of Health Administration \(B.H.A.\)](#) degree and a [Bachelor of Science in Health \(B.S.H.\)](#) degree. The Department also offers a minor in public health for students outside of the College.

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. Students can pursue the traditional Health Administration track or the [Aging Services Concentration](#). Students interested in aging services or long term care management may select course work and an internship that will allow them to qualify to take the Florida Nursing Home Administrator's licensing examination. An opportunity to pursue other special interests is provided with selection of 9-12 hours of elective course work.

The [B.S.H. degree](#), Community Health Track, prepares graduates to encourage healthy lifestyles and wellness. Professionals inform and 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, or mass media campaigns. Graduates are typically employed in governmental and non-profit health agencies, health care facilities, work site wellness programs or school settings.

### [University Minor in Public Health](#)

A University-wide minor in Public Health is available for non-Health Science majors. Students interested in the Public Health minor should contact the Brooks College of Health Advising Office at (904) 620-620-2812. Departments or divisions that wish to offer a [minor in Public Health](#) may do so provided they complete the requirements.

## [Graduate Programs](#)

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The Department of Public Health offers graduate programs in [Master of Health Administration](#), [Master of Public Health](#), [Master of Science in Health \(Specialization in Geriatric Management\)](#), and [Master of Science in Clinical Mental Health Counseling](#), [Certificate in Public Health](#), and [Certificate in Aging Services](#). Students applying to the master program must have a earned baccalaureate degree from an accredited college or university recognized by the University of North Florida. Click here to [see admission and degree requirements](#).

## [Department of Public Health Faculty](#)

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**Jeffrey Harrison, Ph.D.**, Professor & Chair

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## Undergraduate Program Directors

**Elissa Barr**, Ph.D., Associate Professor & Director, Community Health Program  
**Aaron Spaulding**, Ph.D., Assistant Professor & Director, Health Administration Undergraduate Program

## Undergraduate Faculty

**Cynthia Battie**, Ph.D., Professor  
**Michele Moore**, Ph.D., Professor  
**Sharon Wilburn**, Ph.D., Professor  
**Jeffrey Harrison**, Ph.D., Professor  
**Kerry L. Clark**, Ph.D., Associate Professor  
**JoAnn Nolin**, J.D., R.N., Associate Professor  
**D. Robert Haley**, Ph.D., Associate Professor  
**Erin Largo-Wight**, Ph.D., Associate Professor  
**Gerald Colvin**, Ph.D., Assistant Professor  
**Tammie Johnson**, Ph.D., Assistant Professor  
**Aaron Spaulding**, Ph.D., Assistant Professor  
**Richmond Wynn**, Ph.D., Assistant Professor  
**Emma Apatu**, Ph.D., Assistant Professor  
**Julie Merten**, MSH, Assistant Professor  
**Cynthia Williams**, Ph.D., Assistant Professor  
**Melissa Covey**, M.S.H., Instructor  
**Donald Hutton**, M.B.A., FACHE, Executive-in-Residence Graduate Program Directors

## Graduate Program Directors

**Michele Moore**, Ph.D., Professor & Director, Public Health Program  
**JoAnn Nolin**, J.D., R.N., Associate Professor & Director, Geriatric Management Program  
**Richmond Wynn**, Ph.D., Assistant Professor & Director, Clinical Mental Health Counseling Program  
**Mei Zhao**, Ph.D., Associate Professor & Director, Health Administration Program

## Graduate Faculty

**Cynthia Battie**, Ph.D., Professor  
**Tes Tuason**, Ph.D., Professor  
**Elissa Barr**, Ph.D., Associate Professor  
**Kerry L. Clark**, Ph.D., Associate Professor  
**Jeffrey Harrison**, Ph.D., Professor  
**Cynthia Scott**, Ph.D., Associate Professor  
**D. Robert Haley**, Ph.D., Associate Professor  
**Tammie Johnson**, Ph.D., Assistant Professor  
**Erin Largo-Wight**, Ph.D., Associate Professor  
**Richmond Wynn**, Ph.D., Assistant Professor  
**Gerald Colvin**, Dr. PH, Assistant Professor  
**Aaron Spaulding**, Ph.D., Assistant Professor  
**Emma Apatu**, Ph.D., Assistant Professor  
**Donald Hutton**, M.B.A., Executive-in-Residence and Instructor



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## Dean's Message

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Welcome to the Coggin College of Business at the University of North Florida. We are well-known for strong undergraduate and masters programs complemented by transformational learning opportunities. In 2013, we were named an outstanding business college by the Princeton Review for the 7th year in a row.

Our faculty are accomplished researchers, well-known in their areas of expertise and beyond. Our bachelor's degree programs in accounting, economics, finance, financial services, international business, logistics, management and marketing are vibrant and growing. In fact, two of our programs (International Business and Transportation & Logistics) have flagship designation. This is an indication of outstanding program quality, national recognition and a global talent pool of faculty and students. Our graduate programs include an MBA, Global MBA, Global Entrepreneurship MBA, and Masters in Accounting. Of course, we have AACSB accreditation in business and in accounting for our undergraduate and graduate programs. AACSB accreditation is the international gold standard for quality academic programs in business management.

Some of the transformational learning opportunities that we offer are internships (arranged by our in-house Career Management Center), study abroad in Africa, Asia, Europe and South America, and state of the art business computing technology. Our Logistics Lab has cutting edge optimization software and our Financial Trading Lab is equipped with the best trading simulation software. For hands on learning experience with investing, our students manage the Osprey Fund and compete with the finest minds in the business. Capitalizing on our location in the thriving Jacksonville metropolitan area, we have partnerships with national accounting firms, financial institutions, insurance companies, transportation companies and medical services providers, among others. Much of this interaction is via an active and engaged Business Advisory Council and a Business Associates Council.

Our business centers, which supplement academic research and support the community with business and economic data include the Bank of America Institute, Center for International Business Studies, Institute for Management Development and Organizational Quality, Local Economic Indicators Project, the Paper Institute, the Research Center in Economic and Geographic Information Systems, Center for Sustainable Business Practices and the Small Business Development Center.

I urge you to explore beyond our website and visit us at the Coggin College. We will be delighted to meet you and show you what we have to offer.

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Ajay Samant, Ph.D.

Dean & Professor of Finance  
Coggin College of Business  
University of North Florida

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## Accreditation

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The Coggin College of Business is fully accredited at both the undergraduate and graduate levels by [AACSB International](#) – The Association to Advance Collegiate Schools of Business. Further, the Accounting programs at both the undergraduate and graduate levels have received separate accreditation by AACSB International – The Association to Advance Collegiate Schools of Business. AACSB is the premier accrediting agency for business schools internationally with only 620 business schools holding this distinction and only 177 accounting programs holding this distinction.



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## Mission

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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

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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.

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## Values

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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

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Each student enrolling in one or more Coggin College of Business courses numbered 3000 or higher is assessed a fee each semester. In return, each student is able to pick up a copy of The Wall Street Journal (WSJ) from locations within the College. Moreover, each student will receive access to all of the WSJ's online editions (e.g., European, Asian), as well as Barron's online and the WSJ Employment Edition. Additional information is available at <http://www.unf.edu/coggin/advising/wsj.aspx>.

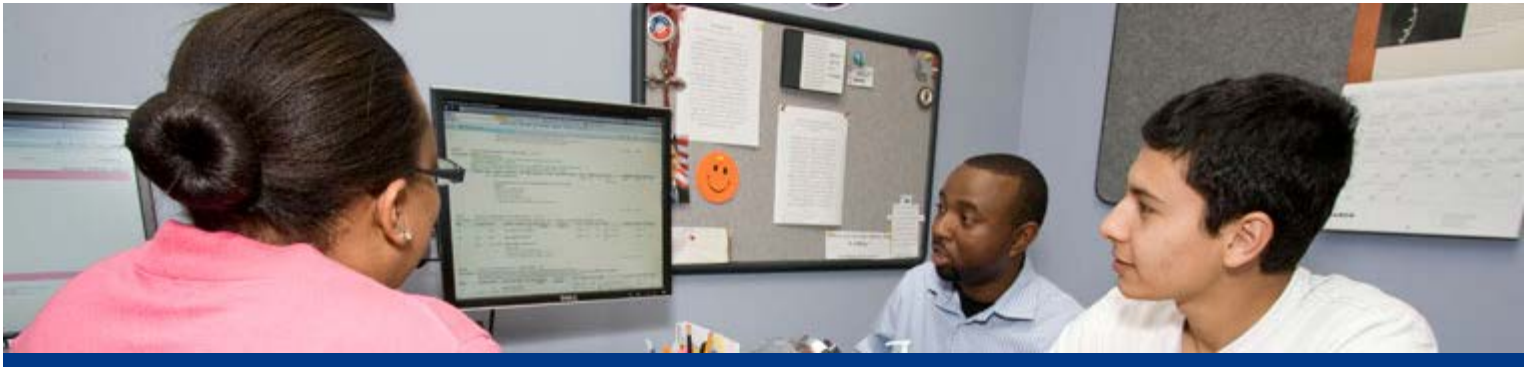
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## Jacksonville Business Journal Partnership

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UNF's Coggin College of Business is proud to have partnered with the *Jacksonville Business Journal*. Every Coggin College of Business Student has online access to the Jacksonville Business Journal. This publication puts the students finger on the pulse of the local business community with access to: Exclusive Job Prospecting, Comprehensive Curriculum Supplement, Quick Research, User-Friendly pages that are also Eco-Friendly (online). Additional Information is available at <http://www.unf.edu/coggin/advising/jbj.aspx>.

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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 services programs are committed to providing high-quality undergraduate and graduate instruction, with particular emphasis on accounting, finance and financial services education that serves the needs of Northeast Florida. The faculty is committed to teaching excellence enhanced by research 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 services.

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 services, 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.

**One Course Repeat Rule:** The Department of Accounting and Finance enforces the “one repeat rule” for all upper-division courses taught in the department, except FIN 3403 and FIN 4604. This rule applies to any course with a prefix of ACG, FIN, REE, RMI, or TAX. Students who do not successfully complete a course on the first attempt (i.e., earn a grade of D, F, W, WP, or WF) will be granted one chance to repeat the course. Students who do not successfully complete a course with two attempts will not be permitted to register for the course in future semesters.

## 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.

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## Finance Major

The shared objectives of the BBA in Finance and the BBA in Financial Services 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. The program offers three primary focuses.

Option 1: 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.

Option 2: 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.

Option 3: 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.

### Finance Curriculum

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## Financial Services Major

The shared objectives of the BBA in Finance and the BBA in Financial Services 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 financial services is designed for the student who is interested in a career in the dynamic financial services sector which includes personal financial planning, banking, insurance, and related areas.

This major integrates finance, accounting, employee benefits, and insurance. The objective is to prepare students for careers in the growing fields of financial services and financial planning. 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 services should be arranged by students with their academic advisor in conformance with the general requirements outlined below.

The requirements for a major in financial services 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:

### [Financial Services Curriculum](#)

CFPTM 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**

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**Phone:** (904) 620-2630

**Web Address:** <http://www.unf.edu/coggin/accounting>

**David G. Jaeger**, Associate Professor, Chair & Director of Master of Accountancy Program

**Thomas L. Barton**, Professor & Chairholder

**Timothy Bell**, Professor, Chairholder & Coggin Distinguished Professor of Accounting

**Charles H. Calhoun**, Professor

**Reinhold P. Lamb**, Professor & Chairholder

**John B. MacArthur**, Professor & Chairholder

**John P. McAllister**, Professor

**Jeffrey E. Michelman**, Professor, Associate Dean of Undergraduate Studies & Director of Honors Program

**Oliver Schnusenberg**, Professor

**Parvez Ahmed**, Associate Professor

**Lynn M. Comer-Jones**, Associate Professor

**Pieter de Jong**, Associate Professor

**Cheryl J. Frohlich**, Associate Professor

**John E. McEldowney**, Associate Professor

**Robert Slater**, Associate Professor

**Sean Davis**, Assistant Professor

**Dana Hart**, Assistant Professor

**Hubert W. Gill**, Senior Instructor

**Diane L. Tanner**, Senior Instructor

## Department of Accounting & Finance Policies

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### Undergraduate

- A grade of "C" or better is required in all courses.
- Please see an advisor for an OFFICIAL program of study and your personalized My Osprey Map to stay on track for graduation.
- You must complete prerequisites before registering for any course. Refer to the [Course Catalog](#) for details.
- Accounting & Finance majors are encouraged to take advantage of [internship](#) and [study abroad](#) opportunities for credit. See academic advisor for details.
- There are opportunities for select students to do research with a professor for credit. A student's GPA must be 2.5 or better to take advantage of this opportunity.
- Students have 10 years to complete these programs.
- A student must have a UNF & program GPA of 2.0 or better in order to graduate.

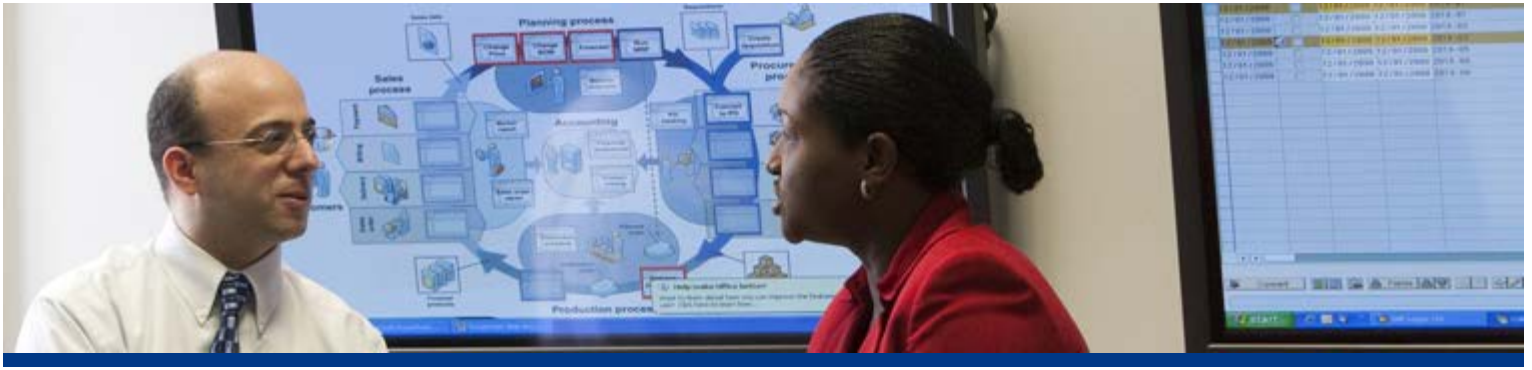
### One Repeat Policy

The Department of Accounting and Finance enforces the "one repeat rule" for all upper-division courses taught in the department, except FIN3403 and FIN4604. This rule applies to any course with a prefix of ACG, FIN, REE, RMI, or TAX. Undergraduate students who do not successfully complete a course on the first attempt (i.e., earn a grade of D, F, W, or WF) will be granted one chance to repeat the course. Students who do not successfully complete a course with two attempts will not be permitted to register for the course in future semesters.

### 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 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, 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.

**Students should choose their elective courses in economics in support of their expected career goals.** The department faculty recommends the following:

Students interested in emphasizing international economics, should take 3 of the following:

- ECO 3703 International Economics
- ECO 4723 International Monetary System
- ECS 3013 Economic Development
- ECS 3303 Current Issues in the Economics of the European Union
- ECS 3403 Current Issues in the Economy of Latin America

Students planning to enroll in law school should take 3 of the following:

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- ECO 4504 Public Finance
- ECP 3403 Economics of Industrial Organization
- ECP 3451 Law, Economics, and Public Policy
- ECP 4413 Government and Business

Students planning to enroll in graduate school in economics should take the following 3 courses:

- ECO 3422 Advanced Econometrics
- ECO 4401 Mathematical Economics
- GIS 3043 Introduction to Geographic Information Systems

The faculty strongly recommends that these students pursue at least a minor in mathematics or statistics, to include some of the following courses. (Note that graduate school admission requirements in economics often require Calculus I and II and Linear Algebra):

- Calculus I and II (additional courses are encouraged)
- Linear Algebra
- Differential Equations
- Probability and Statistics at the upper-division level
- Statistical Methods I and II

Those students seeking to enter the work force after receipt of their bachelor's degree, or a more general curriculum, should take 3 of the following:

- ECO 4223 Monetary Economics
- ECP 3403 Economics of Industrial Organization
- ECP 3530 Health Economics and Policy
- ECP 3613 Urban Economics
- ECP 3703 Managerial Economics
- ECP 4413 Government and Business

Students expecting to work in the field of planning should take at least one of the following:

- GIS 3043 Introduction to Geographic Information Systems
- GIS 4048 Intermediate Geographic Information Systems

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## Department of Economics & Geography Faculty

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**Phone:** (904) 620-2640

**Web Address:** <http://www.unf.edu/coggin/economics>

**Christopher K. Johnson**, Associate Professor of Economics & Chair  
**Andrés Alberto Gallo**, Professor of Economics  
**Paul M. Mason**, Richard deRaismes Kip Professor of Economics  
**Mina N. Balamoune-Lutz**, Professor of Economics  
**Harriet A. Stranahan**, Professor of Economics  
**Sharon C. Cobb**, Professor of Geography & Director of Accreditation and Assessment  
**Chung Ping Loh**, Associate Professor of Economics  
**Lian An**, Associate Professor of Economics  
**Christopher W. Baynard**, Associate Professor of Geography  
**Russell Triplett**, Assistant Professor of Economics  
**Chiradip Chatterjee**, Visiting Assistant Professor of Economics  
**Mary Beal-Hodges**, Instructor of Economics  
**Wayne C. Coleman**, Instructor of Geography  
**W. Thomas Coppedge**, Senior Instructor of Economics

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## Department of Economics & Geography Policies

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- A grade of "C" or better is required in all courses.

- Please see an advisor for an OFFICIAL program of study and your personalized My Osprey Map to stay on track for graduation.
- You must complete prerequisites before registering for any course. Refer to the [Course Catalog](#) for details.
- All Economics Majors are required to take 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. Economics majors must apply for a passport in 1st semester.
 Economic majors are encouraged to take advantage of internship opportunities.
- There are opportunities for select students to do research with a professor for credit. A student's GPA must be 2.5 or better to take advantage of this opportunity.
- A student must have a UNF & program GPA of 2.0 or better in order to graduate.

### **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 (<http://www.unf.edu/coggin/abroad/>) offers three types of programs:

\* Faculty-led study abroad courses

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.

\* 4 week summer programs (via exchange partners)

\* 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.

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# Department of Management

**Phone:** (904) 620-2780

**Web Address:** [www.unf.edu/coggin/management/](http://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 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

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**Phone:** (904) 620-2780

**Web Address:** [www.unf.edu/coggin/management/](http://www.unf.edu/coggin/management/)

**Paul A. Fadil**, Ph.D., Professor & Chair - Department of Management

**H. Eugene Baker III**, Ph. D., Professor Emeritus

**Bruce Kavan**, Ph.D., Professor of Information Systems Management, Bank of America Professor of Information Technology, Associate Dean

**B. Jay Coleman**, Ph.D., Professor of Operations Management & Quantitative Methods, Richard Kip Professor of Operations Management & Quantitative Methods

**Bruce Fortado**, Ph.D., Professor of Human Resource Management

**Steven K. Paulson**, Ph.D., Professor Emeritus & Blanch and Luther Coggin Emeritus Professor of Management

**Cheryl A. Van Deusen**, Ph.D., Professor of Management

**Steven A. Williamson**, DBA., Professor & Director, The Paper and Plastics Education and Research (PAPER) Institute

**Craig G. Harms**, Ph.D., Associate Professor of Operations Management & Quantitative Methods

**Dag Näslund**, Ph.D., Professor of Operations Management & Quantitative Methods

**Crystal L. Owen**, Ph.D., Associate Professor of Management

**Robert W. Schupp**, JD., Associate Professor of Business Law

**Lakshmi Goel**, Ph.D., Associate Professor of Information Systems Management & Director of the MBA Program

**Saurabh Gupta**, Ph.D., Associate Professor of Information Systems Management

**Dong-Young Kim**, Ph.D., Assistant Professor of Operations Management & Quantitative Methods

**Rahul W. Kale**, Ph.D., Associate Professor of Operations Management & Quantitative Methods

**Ping Ying Zhang**, Ph.D., Associate Professor of Management

**Fred Pragasam**, M.B.A., Senior Instructor of Management

**Marjory Templeton**, M.B.A., Senior Instructor of Information Systems Management

**Koren Borges**, M.B.A., Instructor of Management

**Diane Denslow**, M.B.A., Instructor of Management

**Carol Spector**, M.B.A., Instructor of Management

**Gerry Blackwood**, M.B.A., Instructor of Management

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## Department of Management Policies

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### Undergraduate

- A grade of "C" or better is required in all classes.
- Please see an advisor for an OFFICIAL Degree Evaluation and your personalized My

Osprey Map to stay on track for graduation.

- You must complete prerequisites before registering for any course. Refer to the [Course Catalog](#) for details.
- MAN4720 is taken in a student's last semester. An institutional and a program GPA of 2.0 or better is required before permission to register for this course. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.
- This program is subject to a student fully admitted into the Coggin College of Business.
- Students are encouraged to take advantage of internship and study abroad opportunities for credit. See an advisor for details.
- There are opportunities for select students to do research with a professor for credit. A student's GPA must be 2.5 or better to take advantage of this opportunity.
- A student must have a UNF & program GPA of 2.0 or better in order to graduate.

## Graduate (MBA)

- A grade of "B" or better is expected in all courses.
- Your OFFICIAL Degree Evaluation can be found in your myWings account.
- You must complete prerequisites before registering for any course. Refer to the [Course Catalog](#) for details.
- MAN6726 is taken in a student's final semester. An institutional graduate level and program GPA of 3.0 or better is required before permission to register for this course.
- This program is subject to a student fully admitted into the Coggin College of Business in one of the graduate programs.
- Graduate students are permitted the opportunity to study abroad. Different types of opportunities are available.
- Internships for credit are not permitted in the MBA program.
- There are opportunities for select students to do research with a professor for credit. A student's GPA must be 3.5 or better to take advantage of this opportunity.
- A student must have a UNF & program GPA of 3.0 or better in order to graduate.

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# Department of Marketing & Logistics

**Phone:** (904) 620-2780

**Web Address:** <http://www.unf.edu/coggin/marketing/>

## Transportation & Logistics Major (Flagship 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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## Marketing Major

The marketing major is intended for students who seek learning opportunities about marketing functions, institutions, and marketing management practices in consumer and organizational business, industrial and governmental foundations and functioning of marketing and marketing management and to develop their understanding, appreciation and proficiency in marketing decision making within firms and across society. The curriculum furnishes students with content knowledge and its applications in the principles of marketing, consumer behavior, marketing research and information systems, strategic marketing management, international marketing and additional elective areas of marketing as well as more general knowledge and skills relevant to business and a business career. The major also includes behavioral, technical, and elective courses in order to prepare the student for a marketing management career. Flexibility is allowed so that students have some discretion in orienting their program toward career and degree objectives. Students are encouraged to work closely with their advisors in selecting major and contextual courses, which are appropriate to their objectives.

Students who choose marketing as their area of concentration must satisfy all requirements for the BBA degree. As a part of these requirements, marketing students must satisfy the marketing concentration requirement and a contextual studies requirement. A maximum of 18 credit hours of marketing, excluding marketing courses required of all BBA candidates, will be counted toward satisfying degree requirements.

Students with an interest in a sales career should select MAR 4403 Sales Management, MAR 4400 Professional Selling and MAR 4946 Professional Sales Internship as marketing major electives.

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## Department of Marketing & Logistics Faculty

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**Phone:** (904) 620-2780

**Web Address:** <http://www.unf.edu/coggin/marketing/>

**Robert Frankel, Ph.D.**, Professor & Chairholder (Kip Professor of Marketing and Logistics)  
**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  
**Ronald J. Adams, Ph.D.**, Professor Emeritus of Marketing  
**A. Coskun Samli, Ph.D.**, Research Professor of Marketing  
**Dawn M. Russell, Ph.D.**, Assistant Professor of Transportation and Logistics  
**Youngtae Choi, Ph.D.**, Associate Professor of Marketing  
**Reham A. Eltantawy, Ph.D.**, Associate Professor of Marketing  
**Rodger David Swanson, Ph.D.**, Assistant Professor of Transportation & Logistics  
**Lynn Brown**, Associate Director, Transportation and Logistics Flagship

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## Department of Marketing & Logistics Policies

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- A grade of "C" or better is required in all courses.
- Please see an advisor for an OFFICIAL program of study and your personalized My Osprey Map to stay on track for graduation.

- You must complete prerequisites before registering for any course. Refer to the [Course Catalog](#) for details.
- Marketing & Logistics majors are encouraged to take advantage of internship and study abroad opportunities for credit. See academic advisor for details.
- There are opportunities for select students to do research with a professor for credit. A student's GPA must be 2.5 or better to take advantage of this opportunity.
- A student must have a UNF & program GPA of 2.0 or better in order to graduate.

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# International Business Flagship Program

**Phone:** (904) 620-2916

**Web Address:** [www.unf.edu/coggin/int\\_business](http://www.unf.edu/coggin/int_business)

**Steven K. Paulson**, Professor, Director of IB Flagship Program  
**Kate Mattingly Learch**, Associate Director of IB Flagship Program  
**Caitlin Jaeger**, Study Abroad Advisor  
**Shelby Huber**, Study Abroad Advisor

## International Business Major

The international business major has been designated part of the International Business Flagship program by 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 selected group of students will be able to participate in the double degree program with KEDGE Business School in Marseilles, France. This unique opportunity will allow students the chance to spend two years in the south of France including a six month internship. Students selected for this program must have a demonstrated interest in French 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.

- First, they learn about international aspects of functional business areas, including economics, finance, management and marketing.
- Second, they become proficient in a foreign language at the intermediate level or above.
- Third, they learn about a particular area of the world.
- Fourth, all international business students complete a one-semester 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.
- Fifth, all international business majors are required to complete an experience abroad which may include a four week "Coggin in" summer program abroad, a semester abroad or an internship abroad.

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International business majors must satisfy all requirements for the BBA degree.

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## International Business Flagship Program Faculty

**Phone:** (904) 620-2916

**Web Address:** [www.unf.edu/coggin/int\\_business](http://www.unf.edu/coggin/int_business)

**Steven K. Paulson**, Professor, Director of IB Flagship Program

**Kate Mattingly Learch**, Associate Director of IB Flagship Program

**Caitlin Jaeger**, Study Abroad Advisor

**Shelby Huber**, Study Abroad Advisor

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## International Business Program Policies

- Grade of "C" or better is required in all classes.
- Please see an advisor for an OFFICIAL program of study and your personalized My Osprey Map to stay on track for graduation.
- You must complete prerequisites before registering for any course. Refer to the [Course Catalog](#) for details.
- International Business Majors are required to take an approved [internship](#), [foreign language proficiency](#), and an approved international experience.
- All International Business Majors are required to take an approved international educational experience. Examples of approved 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.

Note: IB majors must apply for a passport in 1st semester.

- There are opportunities for select students to do research with a professor for credit. A student's GPA must be 2.5 or better to take advantage of this opportunity.
- A student must have a UNF & program GPA of 2.0 or better in order to graduate.

### **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. 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 (<http://www.unf.edu/coggin/abroad/>) offers three types of programs:

\* Faculty-led study abroad courses

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.

\* 4 week summer programs (via exchange partners)

\* 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.

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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/](http://www.unf.edu/coas/)

## Dean's Office

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**Barbara Hetrick**, Dean  
**David Fenner**, Associate Dean  
**Sam Kimball**, Associate Dean  
**Beth Clements**, Assistant to the Dean  
**Allison Turner**, Coordinator of Academic Services  
**Karla Calliste-Edgar**, Administrative Assistant  
**Chellie Jones-Harris**, Office Manager  
**Leigh Palmer**, Director of Development  
**Sophia Estrada-Lucey**, Assistant Director of Development

## Mission

The mission of the College of Arts and Sciences is:

- to provide learning opportunities of the highest quality to our students, both undergraduate and graduate, to develop their capabilities as critical and reflective thinkers, and to offer each occasion for transformative learning;
- to promote faculty engagement in pursuit and production of disciplinary significant and high quality scholarship — discovered and applied, global and local;
- to offer undergraduate and graduate programs that contribute to the successful achievement of our students' ambitions, are responsive to and engaged with the communities of which the university is a part, and continue the tradition of an excellent liberal arts education;
- to dedicate the college's full range of resources to these goals.

## 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, remains to this day the foundation for all further University study; and 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.

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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. Masters degrees are offered in Biology, Criminal Justice, English, History, Mathematics/Statistics, Music, Public Administration, Philosophy, and Psychology (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:** Debra Murphy, Ph.D.

## Mission

The mission of the Department of Art and Design is to provide outstanding undergraduate teaching in the disciplines of studio arts (including painting, drawing & printmaking, ceramics and sculpture), photography, graphic design & digital media and art history, and to instill creative, analytical, applied and theoretical skills while providing opportunities for transformational experiences such as internships, directed research and study tours and programs abroad.

## 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 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 resource 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.

## Majors and Minors

The department offers the Bachelor of Fine Arts with concentrations in painting/drawing/printmaking, ceramics, sculpture, photography and graphic design and digital media. A Bachelor of Arts in Art History is also offered. Minors are offered in Fine Arts, Photography, Art History and Ceramics.

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## Study Abroad

The department sponsors an annual study abroad program in Italy where students can study and experience first hand some of the most important works from western civilization. Art 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 and Ireland.

There are several competitive scholarships available for majors in the department to help support study abroad opportunities.

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## Opportunities for Student Exhibitions and Internships

There are two student exhibitions a year, the Juried Student show and the Senior Show, both are at the University Gallery in Building 2 on the UNF campus.

Students interested in Museum Studies and gallery work may be interested in internships at the Cummer Museum of Art and Gardens and MOCA Jacksonville. In addition, classes in the Gallery in Contemporary Society are offered.

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 and The Osprey Design Club. The various clubs mount an annual Art Festival with music, door prizes and outstanding art for sale.

## 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, and the Society for Photographic Education, 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.

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## Department of Art & Design Faculty

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**Debra L. Murphy**, Professor & Chair

David J. Begley, Associate Professor

Louise F. Brown, Professor

Peter S. Brown, Associate Professor

Blake Coglianese, Associate Professor

Vanessa B. Cruz, Associate Professor

Alexander Diaz, Assistant Professor

Nofa F. Dixon, Associate Professor

Trevor T. Dunn, Assistant Professor

Raymond W. Gaddy, Instructor

Jennifer Hager, Associate Professor

Elizabeth B. Heuer, Assistant Professor

Stephen E. Heywood, Associate Professor

John A. Hutcheson, Instructor

Jason C. John, Assistant Professor

Paul C. Karabinis, Associate Professor

Kyle R. Keith, Instructor

Kally Malcom, Assistant Professor

Elizabeth B. Nabi, Assistant Professor

Claudia Scaff, Associate Professor

Christopher W. Trice, Assistant Professor

Maria Elena Versari, Assistant Professor

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# Department of Biology

**Location:** Building 59, Room 1300

**Phone:** (904) 620-2830

**Web Address:** <http://www.unf.edu/coas/biology/>

**Dr. Daniel Moon**, 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.

## Program Overview

The Biology department is home to over 500 undergraduate majors and more than 50 graduate students. There are six concentrations within the Bachelor of Science degree 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 two tracks that allow student to gain experience in an array of sub-disciplines. 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 grants from agencies such as the National Institutes of Health, the National Science Foundation, and the US Department of Agriculture. Our new \$40 million 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 the Coastal Biology Flagship program, a vibrant Biomedical Sciences program, and a new Medical Laboratory Sciences program developed in collaboration with area health care facilities.

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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.

## Undergraduate Major Degree Program

The Department of Biology offers a Bachelor of Science degree with six areas of concentration: Biomedical Sciences, Molecular Cell Biology and Biotechnology, Medical Laboratory Sciences, Coastal Biology, Coastal Environmental Science, and Ecology and Evolutionary Biology. ***The Bachelor of Science in Biology is a Selective Admissions degree program.*** 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 or Environmental Science.

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## Department of Biology Faculty

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Daniel C. Moon, Professor & Chair

Gregory A. Ahearn, Professor

Kristine C. Amatuli, Lecturer

Andrew A. Beall, Senior Lecturer

Doria F. Bowers, Professor

Joseph A. Butler, Professor

Dale A. Casamatta, Professor

Kristen A. Ciano, Lecturer

Sara L. Colosimo, Lecturer

Charles B. Coughlin, Senior Lecturer

Terri N. Ellis, Assistant Professor

James J. Gelsleichter, Associate Professor

Quincy A. Gibson, Assistant Professor

Matthew R. Gilg, Professor

Courtney T. Hackney, Professor

John D. Hatle, Professor

Barbara Hetrick, Professor & Dean

Eric G. Johnson, Assistant Professor

Michael R. Lentz, Associate Professor

Jamie C. Moon, Lecturer

Judith D. Ochrietor, Associate Professor

Julie P. Richmond, Assistant Professor

Cliff Ross, Associate Professor

Anthony M. Rossi, Professor

Kelly J. Smith, Associate Professor

Elaine C. Staley, Instructor

Janice E. Swenson, Senior Lecturer

David S. Waddell, Assistant Professor

David P. Webb, Lecturer

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# Department of Chemistry

**Location:** Building 50, Room 3500

**Phone:** (904) 620-3503

**Facsimile:** (904) 620-3535

**Web Address:** <http://www.unf.edu/coas/chemistry>

**Dr. Radha Pyati, Chair**

## Mission

The mission of the UNF Department of Chemistry is to provide excellent educational experiences in the classroom and the laboratory at all levels and in all subdisciplines of chemistry. Our goal is to foster in our students a solid background in the foundational aspects, an understanding of scientific methods of inquiry, and an appreciation for the significance and relevance of chemistry in daily life. We strive to offer programs of relevance that prepare our students for graduate school, medical school, or careers in the chemical industry or in teaching. Toward these ends, the Department has focused its resources on 1) undergraduate curricula that convey the fundamental theories and principles in chemistry, and 2) opportunities for faculty to mentor undergraduates in original research in order to enhance their theoretical, experimental, and creative abilities through hands-on laboratory experiences. 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.

## 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. A Master's program is under consideration for implementation in a future year.

## Accreditation

All of the tracks for the Bachelor of Science degree in Chemistry are certified by the American Chemical Society.

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## 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

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**Radha Pyati**, Associate Professor & Chair

Melissa P. Bush, Senior Lecturer

Corey P. Causey, Assistant Professor

Ujjwal Chakraborty, Visiting Lecturer

Stuart J. Chalk, Associate Professor

Matthew P. Davies, Lecturer

Abdul H. Fauq, Visiting Lecturer

Jose A. Jimenez, Assistant Professor

Bryan A. Knuckley, Assistant Professor

Kenneth K. Laali, Professor

Christos Lampropoulos, Assistant Professor

Amy L. Lane, Assistant Professor

Michael W. Lufaso, Associate Professor

Joshua J. Melko, Assistant Professor

Thomas J. Mullen, Assistant Professor

David A. Nyquist, Senior Lecturer

Robert V. Stern, Senior Lecturer

Frederick J. Troendle, Lecturer

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# Department of Communication

**Location:** Building 14D, Room 2002

**Phone:** (904) 620-2651

**Web Address:** <http://www.unf.edu/coas/communication/>

**Dr. John H. Parmelee**, Chair

Chair's e-mail: [jparme@unf.edu](mailto:jparme@unf.edu)

## Mission

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 Department 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 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.

Our graduates will be prepared to:

1. **Communicate effectively:** Communicate clearly and accurately through written, oral, and mediated forms appropriate to the study of communication and professional practice.
2. **Think critically:** Conduct reasoned evaluation of information to assess its relevance, accuracy, purpose, and meaning.
3. **Apply theory:** Apply appropriate theoretical concepts of communication in academic and professionally oriented work.
4. **Conduct valid research:** Apply research methods appropriate to the communication professions to address relevant communication problems. Such methods include quantitative and qualitative research applied in primary and secondary research.
5. **Utilize appropriate technologies:** Apply the tools and technologies of the communication

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professions in the creation and dissemination of messages appropriate for professional practice.

6. Value freedom of expression: Understand and apply the principles and laws of freedom of speech and press embodied in the First Amendment and describe their importance in a democracy.
7. Embrace diversity: Demonstrate an understanding of the diversity of both domestic society and the peoples and cultures of global society and of the significance and impact of mass communications in society.
8. Practice ethically: Demonstrate an understanding of professional ethical principles and the relationship between ethics and law; apply ethical principles to communication professional practice.
9. Regard history: Demonstrate understanding of the history of communication media and professions and the role of key communication professionals and institutions in shaping them.

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## Undergraduate Major Degree Programs

The Department of Communication offers the Bachelor of Science degree in Communication. Our majors select one of three professionally oriented concentrations:

- Advertising
- Multimedia Journalism & Production
- Public Relations

## Undergraduate Minor Degree Programs

In addition to the Communication major the department offers two minor programs:

- Communication Studies
- Mass Communication

## Transformational Learning

UNF Communication students engage in community-based learning in all of our concentrations. Multimedia Journalism & Production students research and write the annual Hope Fund series of stories in the Florida Times-Union and contribute several types of content to the newspaper's Jacksonville.com web site. Also, Multimedia Journalism & Production students produce "Inside Jacksonville," a news show, and other TV programming. 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.

## Department of Communication Faculty

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**John H. Parmelee**, Professor & Chair

Christa L. Arnold, Associate Professor

Berrin A. Beasley, Associate Professor

Robert H. Bohle, Professor

Peter A. Casella, Assistant Professor

Dee A. Colvin-Ott, Instructor

David J. Deeley, Assistant Professor

Roberta R. Doggett, Senior Instructor

Joseph A. Goodsell, Instructor

Christine K. Holland, Senior instructor

Paula S. Horvath, Senior Instructor

Junga Kim, Assistant Professor

Marcia J. Ladendorff, Instructor

Chunsik Lee, Assistant Professor

Samuel C. Mathies, Instructor

Traci M. Mathies, Instructor

Diane L. Matuschka, Instructor

Carolynn A. McMahan, Associate Professor

Siho Nam, Associate Professor

Jae H. Park, Assistant Professor

Stephynie C. Perkins, Associate Professor

Allison A. Searle, Instructor

Brian Thornton, Professor

Tulika Varma, Assistant Professor

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# Department of Criminology and Criminal Justice

**Location:** Building 51, Room 2310

**Phone:** (904) 620-1724

**Web Address:** <http://www.unf.edu/coas/ccj/>

**Dr. David R. Forde, 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 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.

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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.

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## 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 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

**David R. Forde**, Professor & Chair Lisa V. Bates-Lester, Instructor

Catherine J. Chadeayne, Instructor

Michael Cherbonneau, Assistant Professor

Michael Hallett, Professor

Holly V. Miller, Associate Professor

J. Mitchell Miller, Professor

Alicia H. Sitren, Associate Professor

Brenda A. Vose, Associate Professor

Jennifer K. Wesely, Associate Professor

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# What Is the Cross-Disciplinary Program?

Education in the 21st century is changing. It is evolving by virtue of not just new knowledge but entirely new fields of knowledge that require the capacity to solve complex problems by drawing on concepts, methods, and information from a plurality of disciplines. This increasingly interdisciplinary and multidisciplinary knowledge is widely recognized as essential to the new employment opportunities in the emerging knowledge economy. To help prepare students for these opportunities, the College of Arts and Sciences offers the Cross-Disciplinary Program, which includes the follows options for majors and minors:

## Majors

[B.A in Interdisciplinary Studies](#)

[B.A. in International Studies](#)

[B.A. in Religious Studies](#)

## Minors

[African Diaspora/African-American Studies](#)

[Asian Studies](#)

[Classical Civilization](#)

[Environmental Studies](#)

[Film Studies](#)

[Gender Studies](#)

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[Urban & Metropolitan Studies](#)

## Cross-Disciplinary Majors

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### B.A. in Interdisciplinary Studies

**Program Director:** Dr. A. Samuel Kimball, Associate Dean, College of Arts and Sciences, [skimball@unf.edu](mailto:skimball@unf.edu) , 904-620-2560

**COAS Advisor:** Mr. Keith Martin, Associate Director, College of Arts and Sciences Advising, [kemartin@unf.edu](mailto:kemartin@unf.edu) , 904-620-1379

Interdisciplinary Studies provides students with the opportunity to design an individualized program of study that involves an intentional selection of coursework in more than one discipline. The central purpose of the Interdisciplinary Studies major and minor is for students to investigate a focused set of cross-disciplinary issues, problems, challenges, and methodologies and to develop expertise in

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key intellectual competencies, including but not limited to advanced writing and critical thinking skills.

The history of education in the Western world is the history of changing configurations of knowledge, on the one hand, and a recurrent concern with critical thinking and communicative adeptness, on the other, in relation to the Socratic imperative to know oneself. The Interdisciplinary Studies major and minor enable students to reflect critically on how their educational efforts in the present will enable them to engage in a process of life-long learning in relation to a future that might be unimaginably different from the present.

How to Apply: Acceptance into the Interdisciplinary Studies major and the Interdisciplinary Studies minor requires that students first meet with the Program Advisor, Mr. Keith Martin, kemartin@unf.edu, 904-620-1379.

## Interdisciplinary Studies Major (36 Hours)

Students wishing to complete a major in Interdisciplinary Studies will select from one of the two available tracks:

### Track 1 - Major Requirements for Theme-Based Interdisciplinary Study (36 credits)

In consultation with COAS advisor Mr. Keith Martin, each student will choose eleven (11) upper-division (3000-, 4000-level) courses that focus on a converging set of themes, issues, problems, challenges, or questions. At least one of the 11 courses must be from COAS. Courses cannot count toward both the general education requirement and the requirement for the major.

Also in consultation with COAS advisor Mr. Keith Martin, each student will select a capstone course involving either (i) a research project or (ii) an experiential learning project (based on but not limited to a TLO or transformational learning opportunity, a community-based learning opportunity, or a leadership opportunity) in which students synthesize the learning they have attained in relation to their goals and outcomes.

Each student must also complete the Foreign Language/Foreign Culture requirement.

### Track 2 - Major Requirements for Competency-Based Interdisciplinary Study (36 credits)

In consultation with COAS advisor Mr. Keith Martin, each student will choose eleven (11) upper-division (3000-, 4000-level) courses, including (i) at least three advanced writing/communication courses, (ii) at least four critical thinking courses or four quantitative reasoning and analysis courses, and (iii) four additional courses that focus on specific competencies. Courses cannot count toward both the general education requirement and the requirement for the major.

Also in consultation with COAS advisor Mr. Keith Martin, each student will select a capstone course involving either (i) a research project or (ii) an experiential learning project (based on but not limited to a TLO or transformational learning opportunity, a community-based learning opportunity, or a leadership opportunity) in which students synthesize the learning they have attained in relation to their goals and outcomes.

## B.A. in International Studies

**Program Director:** Dr. Jorge Febles, Professor of Spanish, [j.febles.58143@unf.edu](mailto:j.febles.58143@unf.edu)

**COAS Advisor:** Greshka German-Stuart [g.german@unf.edu](mailto:g.german@unf.edu)

The International Studies Program endows students with knowledge of international studies as a discipline and with the skills necessary to become effective global citizens. The Departments of Economics and Geography, English, History, Philosophy, Political Science and Public Administration, Sociology and Anthropology, and Languages, Literatures and Cultures cooperatively provide students with an interdisciplinary curriculum that captures the wide-ranging historical, political, geographical, economic, social, and cultural forces at play in an increasingly interdependent world. A required study abroad component ensures that majors experience the world they study and cultures other than their own.

## International Studies Major (30 credit hours)

The major allows undergraduate students to pursue an interdisciplinary study of the world today and comparative study of foreign cultures, languages, and societies leading to a Bachelor of Arts degree in International Studies. Students majoring in the International Studies program will complete a five-course core requirement (15 semester hours) which provides the framework for a better understanding of global affairs. Beyond the core course requirements, the major permits students to select three courses (9 semester hours) from one of six thematic or regional study tracks:

- Asian studies
- European Studies
- Foreign Language and Culture
- International Relations and Politics
- Latin American Studies
- Middle East and African Studies

Students are required to study a foreign language through the intermediate level and to undertake an international educational experience. Finally, students complete a required Capstone experience in their senior year. Recommended prerequisites are INR 2002 Introduction to International Relations and/or CPO 2002 Introduction to Comparative Politics. These are not prerequisites for the major, but students cannot enroll in required core courses without first having taken at least one of these prerequisites.

Please note: This is a daytime-only major. While many courses are offered as night courses, a student cannot complete the program solely at night. A selection of core courses is offered each semester, but each individual core course is generally offered once per year.

The Capstone seminar is offered only once per year.

## B.A. in Religious Studies

**Program Director:** Dr. Julie Ingersoll, Associate Professor of Religious Studies, [jingerso@unf.edu](mailto:jingerso@unf.edu)

**COAS Advisor:** Greshka German-Stuart [g.german@unf.edu](mailto:g.german@unf.edu)

Religion has been the source of great human achievement and of much cultural conflict. The discipline of Religious Studies seeks to understand why and how this is the case. To this end, in courses that are taught from a variety of perspectives and disciplines (including religious studies proper, philosophy, anthropology, history, literary studies, and sociology), Religious Studies offers students an opportunity to explore a range of meaning-making systems—their beliefs, practices, texts, history, and social-cultural functions. 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.

## Religious Studies Major (30 credit hours)

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: 27 hours across four categories of courses—(i) foundations, (ii) methods, (iii) traditions, and (iv) topics—and 3 hours of a Senior Seminar Capstone course. Religious Studies majors are encouraged to participate in a study abroad experience.

## Cross-Disciplinary 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 internships, service learning, and study abroad in order to bridge theory and praxis.

Faculty Coordinator: Tru Leverette, Associate Professor of English, [tleveret@unf.edu](mailto:tleveret@unf.edu)

**Asian Studies (15 Hours).** This cross-disciplinary program is administered by the Department of History. It is designed to facilitate an academic concentration in South, Southeast, or East Asian civilization. Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinator: Harry Rothschild, Associate Professor of History, [hrothsch@unf.edu](mailto:hrothsch@unf.edu)

**Classical Civilization (15 Hours).** The Classical Civilization minor is a cross-disciplinary 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 ancient Greece and Rome. Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinator: Directed by Dr. Phil Kaplan of the Department of History, [pkaplan@unf.edu](mailto:pkaplan@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. Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinator: Stuart Chalk, Associate Professor of Chemistry, [schalk@unf.edu](mailto:schalk@unf.edu)

**Film Studies (15 Hours).** Why study film? Because film is often considered the only new art form produced in the 20th Century. Because 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. Because film functions as a unique art form, a social barometer, a cultural artifact, an historical record, a political argument, an agent of change, and a good time. Because it is complex in construction and function, and yet directly powerful in its effect. Because the reach of film is so wide, and because the film minor thrives as a community when students come from varied perspectives and fields of study. Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinators: Nicholas de Villiers, Associate Professor of English, [n.devilliers@unf.edu](mailto:n.devilliers@unf.edu); Jason Mauro, Associate Professor of English, [jmauro@unf.edu](mailto:jmauro@unf.edu); and Jillian Smith, Associate Professor of English, [jlsmith@unf.edu](mailto:jlsmith@unf.edu)

**Gender Studies (15 Hours).** Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinators: Erinn Gilson, Assistant Professor of Philosophy, [e.gilson@unf.edu](mailto:e.gilson@unf.edu), and JeffriAnne Wilder, Associate Professor of Sociology, [j.wilder@unf.edu](mailto:j.wilder@unf.edu)

**Interdisciplinary Studies (15 Hours).** In consultation with COAS advisor Mr. Keith Martin, students develop a five-course program of study organized around either (i) a cross-disciplinary theme, issue, problem, challenge, or question or (ii) cross-disciplinary skills in advanced writing and critical thinking/quantitative reasoning and analysis.

Faculty Coordinator: A. Samuel Kimball, Associate Dean and Professor of English, [skimball@unf.edu](mailto:skimball@unf.edu), 904-620-2560.

COAS Advisor: Mr. Keith Martin, Associate Director, College of Arts and Sciences Advising, [kemartin@unf.edu](mailto:kemartin@unf.edu), 904-620-1379

**International Studies (15 Hours).** This cross-disciplinary program 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 anthropology, economics, geography, and political science) and involve a range of research methods. Together these courses and their methodologies provide the framework for a better understanding of global affairs. Students minoring in International Studies must complete three of the five core courses required of the major and two electives from within the same regional study track.

Faculty Coordinator: Jorge Febles, Professor of Spanish, [j.febles.58143@unf.edu](mailto:j.febles.58143@unf.edu)

**Religious Studies (15 Hours).** Religion has been the source of great human achievement and of much cultural conflict. This cross-disciplinary minor seeks to understand why and how this is the case. Courses taught from a variety of perspectives and disciplines 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: Julie Ingersoll, Associate Professor Religious Studies, [jingerso@unf.edu](mailto:jingerso@unf.edu)

**Urban and Metropolitan Studies (15 Hours).** Courses for this program come from a variety of Arts and Sciences departments.

Faculty Coordinator: Krista Paulsen, Associate Professor of Sociology, [kpaulsen@unf.edu](mailto:kpaulsen@unf.edu)



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# Department of English

**Location:** Building 8, Room 2601

**Phone:** (904) 620-2273

**Web Address:** <http://www.unf.edu/coas/english>

**Dr. Brian J. Striar**, 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, and film. The department offers the B.A. in English with the option of a concentration in Theater/Drama. The department also offers the following minors: African-American / African Diaspora Studies, American Literature, British Literature, Creative Writing, Drama, Film Studies, Literature, and Writing Studies. In addition, the department is responsible for supervising students who elect to major or minor in Interdisciplinary Studies.

## Graduate Program

The Department of English offers a Master of Arts (M.A.) in English in addition to a concentration in Rhetoric and Composition. 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 practicums, 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

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**Brian J. Striar**, Associate Professor & Chair

**Linda A. Howell**, Senior Instructor & Director of Writing and Assessment Mark Ari, Senior Instructor

Mary K. Baron, Professor

James P. Beasley, Associate Professor

Jeanette M. Berger, Senior Instructor

Keith A. Cartwright, Professor

John M. Chapman, Instructor

Fredrick F. Dale, Senior Instructor

Nicholas A. de Villiers, Associate Professor

Timothy J. Donovan, Associate Professor

Joseph W. Flowers, Senior Instructor

Dwight C. Gabbard, Associate Professor

Laura Heffernan, Assistant Professor

Marnie C. Jones, Professor

Arthur S. Kimball, Professor & Associate Dean (COAS)

Shane W. Leverette, Associate Professor

Jennifer L. Lieberman, Assistant Professor

Clark D. Lunberry, Associate Professor

Jason I. Mauro, Associate Professor

Brenda L. Maxey-Billings, Instructor

Alexander Menocal, Instructor

Pamela A. Monteleone, Associate Professor

Betsy L. Nies, Associate Professor

Marcus R. Pactor, Instructor

Jillian L. Smith, Associate Professor

Russell D. Turney, Senior Instructor

Bart H. Welling, Associate Professor

Michael G. Wiley, Professor





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# Department of History

**Location:** Building 9, Room 2501

**Phone:** (904) 620-2273

**Web Address:** <http://www.unf.edu/coas/history>

**Dr. Charles Closmann**, Chair

## Mission

Our mission is to graduate a liberally educated person who can view the world with an 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. Knowledge has limited value unless it can be conveyed by 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

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enable them to understand the world and involve themselves in it.

## Graduate Degree Program

The UNF Master of Arts (M.A.) in History Program offers concentrations in European and United States history. Courses in African, Asian, and Latin American history are offered and may be used to fulfill non-concentration requirements. By the end of their 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 Masters Degree contact David Sheffler, Graduate Coordinator, (904) 620-1856.

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 are Friday section leaders for the World History classes in the fall and spring. They also facilitate discussions for and help out in other ways with Distance Learning courses. Get more information on [Graduate Teaching Assistantships and the application process](#).

## 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, 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
- History Seminars

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## 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. Charles Closmann (cclosman@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](mailto:hrothsch@unf.edu).

### **Classical Civilization**

The Classical Civilization 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 ancient Greece and Rome.

The faculty in Classical Civilization includes professors of religion, literature, languages, philosophy, and history. Together, they offer a range of courses conceived to provide students both with the opportunity to encounter Classical Civilization from a variety of perspectives.

Students minoring in Classical Civilization Studies must have the approval of a member of the Classical Civilization faculty. For more information please contact Dr. Philip Kaplan at [pkaplan@unf.edu](mailto: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.

To earn honors in history, 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; and must complete the honors colloquium. Students who complete these requirements will have honors in history noted on the transcript and diploma. For further information and applications, contact the department chairperson at (904) 620-1864 or go directly to the catalog entry for the [Honors and Scholars](#) program.

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## **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. Charles Closmann, at 904-620-1864 and/or [cclosman@unf.edu](mailto:cclosman@unf.edu).

## Department of History Faculty

**Charles E. Closmann**, Associate Professor & Chair

Alan J. Bliss, Visiting Assistant Professor

Denise I. Bossy, Associate Professor

James J. Broomall, Assistant Professor

Alison J. Bruey, Associate Professor

David T. Courtwright, Professor

Gregory F. Domber, Associate Professor

Denice L. Fett, Assistant Professor

Philip G. Kaplan, Associate Professor

Chau J. Kelly, Assistant Professor

Theo C. Prousis, Professor

Norman H. Rothschild, Associate Professor

David L. Sheffler, Associate Professor

Daniel J. Watkins, Assistant Professor

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# Department of Languages, Literatures & Cultures

**Location:** Building 10, Room 2425

**Phone:** (904) 620-2282

**Web Address:** <http://www.unf.edu/coas/languages/>

**Dr. Patricia Geesey**, 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 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

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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 Languages, Literatures and Cultures encourages students to study abroad by working in conjunction with the UNF International Center. The department sponsors summer programs in Santander, Spain, and Strasbourg, France. Given existing relationships with the University of Alcalá de Henares (Spain), the University of Cantabria (Spain) and the University of Nantes (France), those who seek a longer experience abroad may study Spanish language, culture and literature for a semester or an entire year in Alcalá de Henares, Santander or French language, culture and literature in Nantes. With the assistance of the UNF International Center, students are also able to study independently in 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.

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## Majors and Minors

The Department of Languages, Literatures and Cultures offers Bachelor of Arts degrees in both French Studies and Spanish, as well as minors in French, Spanish and Chinese.

French 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 Santander, Spain, and Strasbourg, France. Given existing relationships with the University of Alcalá de Henares (Spain), the University of Cantabria (Spain) and the University of Nantes (France), those who seek a longer experience abroad may study Spanish language, culture and literature for a semester or an entire year in Alcalá de Henares, Santander or French language, culture and literature in Nantes. With the assistance of the UNF International Center, students are also able to study independently in different academic institutions throughout the world.

## Language Laboratory

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 their skills and to engage in self-immersion activities.

## Department of Languages, Literatures & Cultures Faculty

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**Patricia A. Geesey**, Professor & Chair

Jorge M. Febles, Professor

Maria A. Fernandez Cifuentes, Associate Professor

Gregory G. Helmick, Assistant Professor

Nuria Ibanez, Associate Professor

Constanza M. Lopez, Assistant Professor

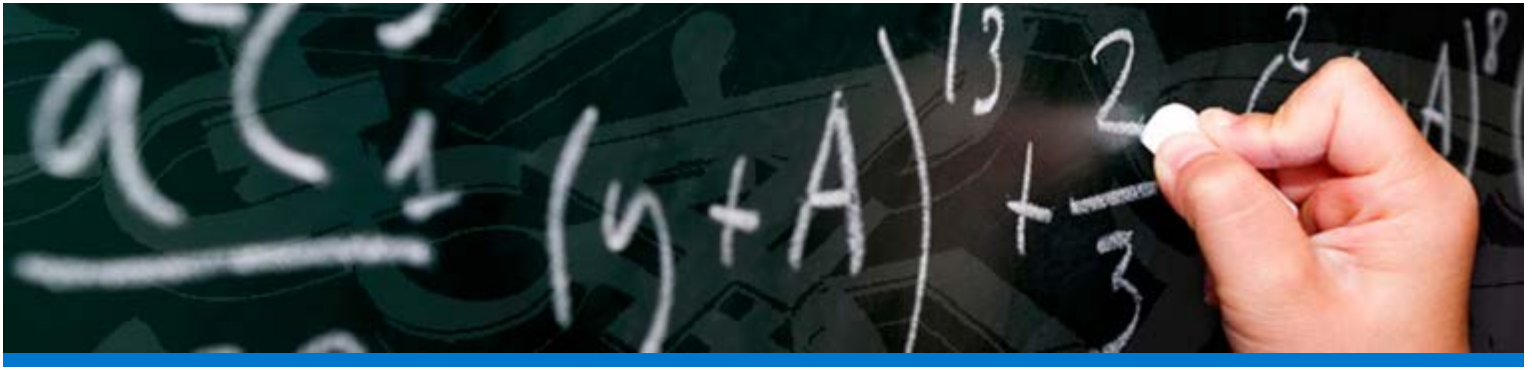
Clayton L. McCarl, Assistant Professor

Shira I. Schwam-Baird, Professor

Renee S. Scott, Professor

Yongan Wu, Assistant Professor

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# Department of Mathematics and Statistics

**Location:** Building 14, Room 2731

**Phone:** (904) 620-2653

**Web Address:** [www.unf.edu/coas/math-stat/](http://www.unf.edu/coas/math-stat/)

**Dr. Scott Hochwald**, 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 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.

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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 the honors program after completing at least Calculus I, Calculus II, and one other mathematics or statistics course (that counts 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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## Department of Mathematics and Statistics Faculty

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**Scott H. Hochwald**, Associate Professor & Chair

Faiz B. Al-Rubaei, Associate Professor

Beyza C. Aslan, Assistant Professor

Denis R. Bell, Professor

Devrim Bilgili, Assistant Professor

Adel N. Boules, Professor

Elena M. Buzaianu, Associate Professor

Hugh R. Cornell, Instructor

Malgorzata M. Czerwinska, Assistant Professor

Michelle R. DeDeo, Associate Professor

Daniel L. Dreibelbis, Associate Professor

Alina R. Dumitru, Associate Professor

Jose A. Franco, Assistant Professor

Daniela T. Genova, Associate Professor

James U. Gleaton, Associate Professor

Sami M. Hamid, Associate Professor & Undergraduate Director

Jongsook Han, Visiting Instructor

Ognjen B. Milatovic, Associate Professor

Donna L. Mohr, Professor

Richard F. Patterson, Professor

Mohammad M. Rahman, Associate Professor

Luminita Razaila, Instructor

Paul W. Rowe, Instructor

Ping Sa, Professor

Pali Sen, Professor

Jaimee E. Stewart, Visiting Instructor

Jingcheng Tong, Professor

Kening Wang, Associate Professor

Peter S. Wludyka, Professor

Mei-Qin Zhan, Professor & Graduate Director

Qiang Zhen, Assistant Professor

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# Department of Music

**Location:** Building 45, Room 2004

**Phone:** (904) 620-2960

**Web Address:** <http://www.unf.edu/coas/music/>

**Dr. Randall Tinnin**, Chair

## Mission

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The University of North Florida (UNF) Music Flagship Program brings a focused commitment to excellence and the artistic and intellectual preparation of students for the diverse and challenging world in which we live. It aims to provide a high level of professional musical training as well as a sense of relevance regarding the value of music to our society through an active, pluralistic musical environment encompassing western European traditional art music through contemporary music including world music and jazz. The UNF Music Flagship Program 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. Our department continues to achieve national and international recognition as a distinguished comprehensive center for the study, creation, and research in music, with emphasis on the contemporary.

The Music Flagship Program 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 the music industry and its supporting fields. It is our hope to provide transformational learning opportunities within the scope of engaged self-reflection via practice and performance. The primary focus of our mission is the artistic enrichment of the lives of all UNF students and faculty, while promoting the University and greater Jacksonville community as ambassadors throughout the region, the nation, and the global community.

## The Undergraduate Program

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The Music Flagship Program provides instruction leading to accredited Bachelor's degrees in Music Performance, Jazz Studies and Music Education. Effective in the fall of 2014 the Music Flagship Program now offers a Bachelor of Music Performance with a concentration in Music Technology and Production. Coursework in music degree programs begins freshman year and culminates in a final recital spanning the knowledge and skill gained throughout the program of study (See "[My Osprey Map](#)"). The Music Flagship Program 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 music

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major. This includes academic record, ensemble participation, and successful completion of semester performance jury examinations.

## The Graduate Program

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Effective in the fall of 2014 the Music Flagship Program now offers [Master's Degrees](#) in Jazz Studies, Performance and Conducting. The Master of Music degrees are 36 hour credit hours with a two year residency. They 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, church musicians and other music professionals in Northeast Florida to pursue the degree while maintaining full-time employment.

## The Major

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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 adhered to in order to follow 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

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At this time the Music Flagship Program does not offer a music minor, however, interested students may 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 Music Flagship Program at (904) 620-2961 or visit [www.unf.edu/coas/music/](http://www.unf.edu/coas/music/).

## Accreditation

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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 Music Flagship Program offers a stimulating, yet personal atmosphere in which students can study and grow. The UNF Music Flagship Program 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 department'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 Department has received and continues to receive is testament to the caliber of the UNF Music Flagship Program as one of the very best anywhere. UNF's Music Flagship Program is a fully accredited member of the National Association of Schools of Music (NASM).

## Department of Music Faculty

**Randall C. Tinnin**, Professor & Chair

Lynne Arriale, Associate Professor

Erin K. Bennett, Associate Professor

Krzysztof Biernacki, Associate Professor

Michael A. Bovenzi, Associate Professor  
Gordon R. Brock, Professor  
James N. Curry, Associate Professor  
Todd T. DelGiudice, Assistant Professor  
Marcus Dickman, Associate Professor  
Stephen J. Gosden, Assistant Professor  
Daniel R. Gottlieb, Professor  
Barry R. Greene, Professor  
Timothy Groulx, Assistant Professor  
James C. Hall, Assistant Professor  
Clarence B. Hines, Associate Professor  
Charlotte N. Mabrey, Professor  
Dennis J. Marks, Associate Professor  
Sarah Provost, Assistant Professor  
James B. Scott, Associate Professor  
Simon Shiao, Associate Professor  
Sunshine Simmons, Assistant Professor  
Gary L. Smart, Professor  
Cara S. Tasher, Associate Professor

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# 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/>

**Dr. Hans-Herbert Koegler, Chair**

[hkoegler@unf.edu](mailto:hkoegler@unf.edu)

## Mission

The **Philosophy Program** promotes academic excellence by providing the highest quality undergraduate and graduate 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 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 four Minors. It also offers two graduate degrees: an MA in Practical Philosophy & Applied Ethics and a Graduate Certificate in Applied Ethics. 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.

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## MA in Practical Philosophy & Applied Ethics

The **M.A. in Practical Philosophy and Applied Ethics** seeks to provide students with the knowledge and skills needed to apply ethical and philosophical reasoning to issues of pressing concern in social, political, and cultural life. This primary objective is pursued through the advanced academic study of applied ethics and moral, social, political, and cultural philosophy so as to develop essential capabilities in ethical decision-making, cultural understanding, and analytic reasoning. The program's aim is excellence in general comprehension of the relation between normative issues and institutional, social, cultural, and political contexts, while equally leading students toward independent and original scholarship. Its philosophical focus consists in (i) applying ethical reflection to specific dilemmas encountered in public and professional life; (ii) understanding the normative and philosophical assumptions that inform our experience of cultural, political, and social phenomena; and (iii) appreciating the complex interconnections between applied and theoretical considerations with regard to social, cultural, and political contexts. The particular relevance of the MA is claimed by addressing issues of immediate social importance, such as health care reform, cloning, stem cell research, the environment, effects of economic globalization, the reach of universal human rights, global terrorism, multiculturalism, race and gender, and the conditions of intercultural and cross-religious dialogue, among others. The department is committed to regular and ongoing self-scrutiny of all its efforts, including its pedagogy, curriculum, recruitment and retention practices, as well as its ability to place its graduates in relevant professions and/or to prepare them for further graduate study.

Required courses include PHI 6937 Proseminar I: Practical Philosophy; PHI 5605 Ethics, and PHI 6938 Proseminar II: Applied Ethics. The MA requires 33 hours.

## Graduate Certificate in Applied Ethics

The Graduate Certificate is designed for professionals and policy makers who wish to develop an expertise in ethics that is directly relevant to their working environment. It provides a valuable credential to those who, for example, serve on institutional ethics committees and compliance boards or seek advanced ethics training to meet licensure requirements. It requires 12 hours.

Further information concerning the graduate programs, including current course offerings, can be obtained by consulting the Department's [website](#).

## 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 PHH 3100 Ancient Philosophy, PHH 3400 Modern Philosophy, PHI 3601 Ethics, PHI 3130 Symbolic Logic, one course in either PHI 3500 Introduction to Metaphysics or PHI 3300 Introduction to Epistemology, and the capstone PHI 4935 Philosophy Seminar; all course options are offered at least once a year.

Introductory courses include PHI 2010 Introduction to Philosophy, PHI 2630 Contemporary Ethical Issues, and PHI 2100 Reasoning and Critical Thinking. Every FTIC student at UNF has to choose one of three 2000-level philosophy courses as part of the Freshmen Experience program. Every student at UNF has to take one such course in order to meet UNF's General Education requirements and Gordon Rule writing requirements; the freshmen course are offered in the Fall term; all courses are offered every term, including summer. Besides grounding college students in critical thinking and writing, the course 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.

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## Minors in Philosophy

The four Minors include a general Philosophy Minor, Culture and 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

Hans-Herbert P. Koegler, Professor & Chair

Andrew J. Buchwalter, Professor

Paul M. Carelli, Assistant Professor

Aaron Creller, Visiting Assistant Professor

Brandi N. Denison, Assistant Professor

David E. W. Fenner, Professor & Associate Dean

Erinn C. Gilson, Assistant Professor

Mitchell R. Haney, Associate Professor

Julie J. Ingersoll, Associate Professor

Jonathan D. Matheson, Assistant Professor

Sarah A. Mattice, Assistant Professor

John Nale, Visiting Assistant Professor

Alissa M. Swota, Associate Professor

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# Department of Physics

**Location:** Building, 50, Room 2600

**Phone:** (904) 620-2729

**Fax:** (904) 620-1989

**Web Address:** [www.unf.edu/coas/physics](http://www.unf.edu/coas/physics)

**Dr. James L. Garner**, Chair

## Mission

The mission of the Department of Physics is to serve the people of the State of Florida and the nation by providing excellent educational experiences in physics, astronomy, earth and geological science, and advancing knowledge in physics through research, and service to the university, public 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 eight concentrations: [traditional physics](#), [astrophysics](#), engineering physics with [civil](#) or [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 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. The department offers honors-in-the physics major. The department encourages the more applied-oriented physics majors to take part in industrial internships, a teaching apprenticeship program, and an exchange programs at the University of Technology of Troyes, France for our majors.

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 microelectronics, environmental physics, optics, space and renewable energies, defense, health care, nanotechnology, manufacturing and other industries provides ample evidence that the value of understanding physics will continue to be important for individuals and society. 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.

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Students in the physics program often participate in the research of our faculty. Currently, physics students can participate in research on the experimental and theoretical properties of magnetic semiconductors and high -T<sub>c</sub> superconductors, magnetic materials, optical studies of correlated electron systems, non-linear optical and electrical transport properties of metallic, complex oxides, and semiconducting nanocrystals, theoretical astrophysics of black holes and dark matter, experimental and computational nuclear physics, physics history, and experimental membrane, interface, and sensor physics. The department has an extraordinary array of major research instruments for a comprehensive university of UNF's size: two atomic force microscopes, pulsed laser, scanning electron microscope, Raman spectrometer, SQUID magnetometer, physical properties measurement system and thermal and electron vacuum deposition systems for thin films. In addition, the department is in the process of installing a Helium liquefier facility that will put UNF physics at the forefront of research at primarily undergraduate universities in the nation. Soon new additions of equipment will include an AFM/STM instrument and a multi-node computer cluster facility. By a judicious choice of courses, students in research programs can obtain credit toward graduation.

Many physics students receive financial support from faculty research grants (national science foundation, research corporation, NASA, and the department of defense), 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). The department supports an active Society of Physics Students and Astronomy Club on campus.

Two-thirds 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.

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## Department of Physics Faculty

### **Tenure-Track**

James L. Garner, Professor & Chair (Ph. D. Ohio State University, Theoretical Condensed Matter Physics)

Thomas M. Pekarek, Terry Presidential Professor (Ph. D. Purdue University, Experimental Condensed Matter Physics)

Lev V. Gasparov, Terry Presidential Professor (Ph. D. Institute for Solid State Physics, Experimental Condensed Matter Physics)

Jane H. MacGibbon, Associate Professor (Ph. D. University of Cambridge, Theoretical Astrophysics)

Daniel J. Arenas, Assistant Professor (Ph. D. University of Florida, Experimental Condensed Matter Physics)

Daniel F. Santavicca, Assistant Professor (Ph. D. Yale University, Experimental Condensed Matter Physics)

Maitri Warusawithana, Assistant Professor (Ph. D. University of Illinois, Experimental Condensed Matter Physics)

Chris Kelso, Assistant Professor (Ph. D. University of Chicago, Theoretical Astrophysics)

### **Lecturers**

John E. Anderson, Senior Lecturer (Ph. D. Harvard University, Experimental Biophysics)

Nirmalkumar G. Patel, Senior Lecturer (Ph. D. Patel University, India, Experimental Condensed Matter Physics)

Lynn B. Albright, Lecturer (Ph. D. University of California-Riverside, Geology)

### **Visiting Faculty**

Imeh Ebong, Associate Professor (Ph. D. Arizona State University, Experimental Nuclear Physics)

Sampyo Hong, Visiting Assistant Professor (Ph. D. University of Central Florida, Theoretical Condensed Matter Physics)

James L. Montgomery, Visiting Instructor (M.S. University of Central Florida, Experimental Optics)

### **Emeritus Faculty**

Jay Huebner, Professor (Ph. D. University of California-Riverside, Experimental Condensed Matter Physics)

Dennis Gay, Associate Professor (Ph. D. Florida State University, Experimental Nuclear Physics)

### **Staff**

Phil Davis, Lab Manager (Ph. D. Rice University, Experimental Physical Chemistry)

Sandra Bernreuter, Office Manager

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# Department of Political Science and Public Administration

Location: Building 51, Room 2414

Phone: (904) 620-2977

Web Address: [www.unf.edu/coas/polsci-pubadmin/](http://www.unf.edu/coas/polsci-pubadmin/)

Dr. Matt Corrigan, 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. The department also offers minors in political science and public administration. 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. These minors may be taken with a student's major program; students should consult with their advisor on procedures for declaring a minor. The department offers a master degree program in public administration and a certificate in nonprofit management. This graduate program is the largest in the College of Arts and Sciences with over 80 active students.

## 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 students 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

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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. The department also offers a Master of Public Administration (MPA) degree. Majors must have a grade of "C" or better in each core course, and a minimum GPA of 2.0 in major elective courses.

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 free electives may be selected from any concentration or any other approved political science course except the foreign culture courses.

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### **30-Hour Fast Track Option in Master of Public Administration**

A Fast Track leading to entry into the Public Administration (MPA) degree is available to UNF Political Science majors. Students who successfully complete the Fast Track requirements, and who meet the admission requirements for the MPA program, will be able to complete the MPA degree with 33 hours of credit rather than the 42 credit hours otherwise required.

Undergraduate Fast Track requirements are that a student: (1) must be a UNF undergraduate Political Science major; (2) must declare an intent to exercise the Fast Track option prior to their senior year; (3) must have an overall GPA of 3.0 or higher in the last 60 hours of undergraduate course work; (4) must make a grade of at least B or higher in PAD 4003 (taken as part of the Fast Track concentration core requirements); (5) must complete the Political Science Fast Track concentration minor requirements; and (6) must have a B average or above for the five courses required in the Fast Track minor. All six 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. Fast Track students who enter the MPA program in conditional status are not eligible for the 33 hour version of the program. MPA students who meet both Fast Track undergraduate and unconditional admission requirements may omit PAD 6060 and two MPA program electives from their graduate program of study. The remaining MPA core courses and electives constitute the 33 hour program. Please see the MPA Director for further information on the Fast Track option.

### **The Graduate Program**

The mission of the UNF M.P.A. program is to provide students with a broad understanding of the theory and practice of public administration, and to contribute to the betterment of the public and not-for-profit service community in the state, particularly in the Northeast Florida region. These general goals are obtained commensurate with the University of North Florida's commitment to excellence, focus, relevance, and accountability in all of its academic programs.

The M.P.A. program serves to open a path to graduate education to a wide variety of students, particularly nontraditional students, who seek an opportunity to enhance their professional qualifications and career prospects in the public and not-for-profit sectors. The ultimate purpose of the M.P.A. program is to enhance the capabilities of potential and current administrative, managerial and political leaders of the region to better serve their organizations and the public in the competitive



environment of the 21st century.

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 has added a concentration and a certificate in Nonprofit Management. This concentration will help those students who seek a broader understanding of nongovernmental agencies that engage in important social and cultural endeavors.

Students from any discipline or background or at any stage in their careers, who are interested in public or not-for-profit employment or advancement, are encouraged to consider the M.P.A. program.

#### Accreditation

The M.P.A. program is accredited by the National Association of Schools of Public Affairs and Administration.

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## Department of Political Science & Public Administration Faculty

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**Matthew T. Corrigan**, Professor & Chair

Michael M. Binder, Assistant Professor

Mary O. Borg, Professor

Gaylord G. Candler, Associate Professor

Matthew Childers, Assistant Professor

Natasha V. Christie, Assistant Professor

Georgette E. Dumont, Assistant Professor

Martin I. Edwards, Senior Instructor

Josh Gellers, Assistant Professor

Ronald T. Libby, Professor

Sucheta Pyakuryal, Assistant Professor

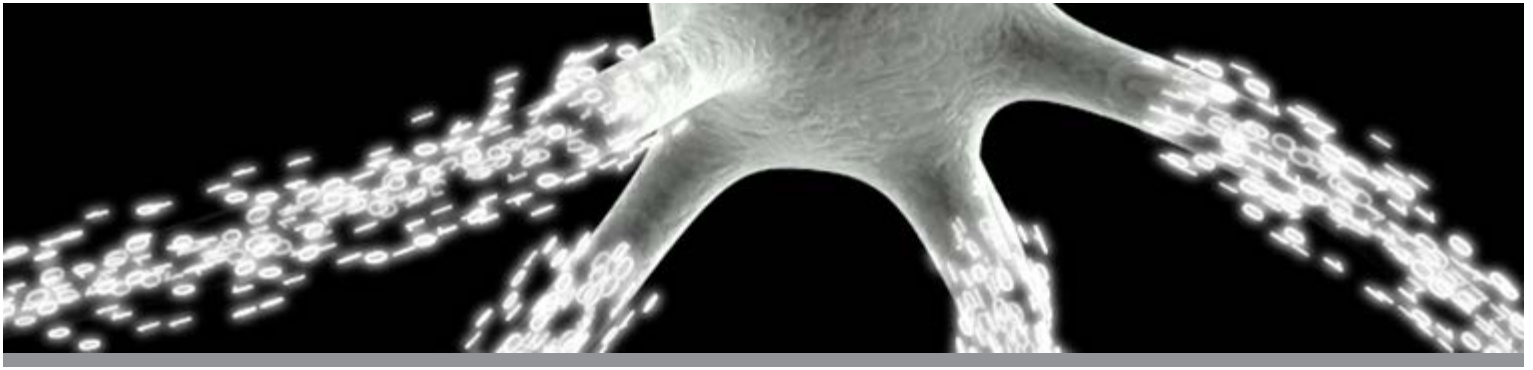
David M. Schwam-Baird, Associate Professor

Nicholas Seabrook, Assistant Professor

Nancy E. Soderberg, Faculty Administrator

Pamela A. Zeiser, Associate Professor

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# Department of Psychology

**Location:** Building 51, Room 3404

**Phone:** (904) 620-2807

**Web Address:** <http://www.unf.edu/coas/psychology/>

**Dr. Michael Toglia**, Chair

## Mission

Psychology is the scientific study of human and animal behavior. The Department of Psychology teaches the history, methods, and philosophies of approaches to our field.

The Department provides the highest quality academic experience at the graduate and undergraduate levels. We teach the skills and knowledge our students need for personal and professional advancement.

As active scientists and professionals, we perform research that advances our field and we engage in activities that serve our profession. As committed educators, we collaborate with students on research projects and community activities.

## The Program

Psychology majors graduate with either a Bachelor of Arts or a Bachelor of Science. 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.

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## 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 three semesters prior to graduation.

### Admission to the program requires:

- An overall GPA of at least 3.50
- Junior or senior standing

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- Completion of at least three UNF psychology courses with a psychology GPA of at least 3.50 and no grade less than B
- Completion of IDH3922, Honors Thesis Prospectus with a grade of B or better

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
- Completion of IDH3920 Thesis Symposium Colloquium 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 [Coordinator](#) of Undergraduate Research in the Honors Program as soon as possible.

## Research Opportunities

Involvement in research is an important part of the psychology major experience at UNF. Students can become involved in our research in two ways:

- As a participant in an experiment
- As a member of a professor's research team

Learn more about becoming a participant and about our faculty's research teams by contacting the Department of Psychology.

## Graduate Program

The Master of Arts in General Psychology is offered as the only graduate degree.

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## Department of Psychology Faculty

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**Michael P. Toglia**, Professor & Chair

Tracy P. Alloway, Assistant Professor

Elizabeth Brown, Assistant Professor

Lynne Carroll, Professor

Brian J. Fisak, Associate Professor

Paul Fuglestad, Assistant Professor

Jason Grotuss, Assistant Professor

Christoph D. Guess, Professor

Katherine C. Hooper, Assistant Professor

Iver H. Iversen, Professor

Lori J. Lange, Associate Professor

Juliana Leding, Associate Professor

Christopher T. Leone, Professor

Angela Mann, Assistant Professor

Rebecca A. Marcon, Professor

Jody S. Nicholson, Assistant Professor

Susan M. Perez, Associate Professor

Curtis Phills, Assistant Professor

Joseph Schmuller, Assistant Professor

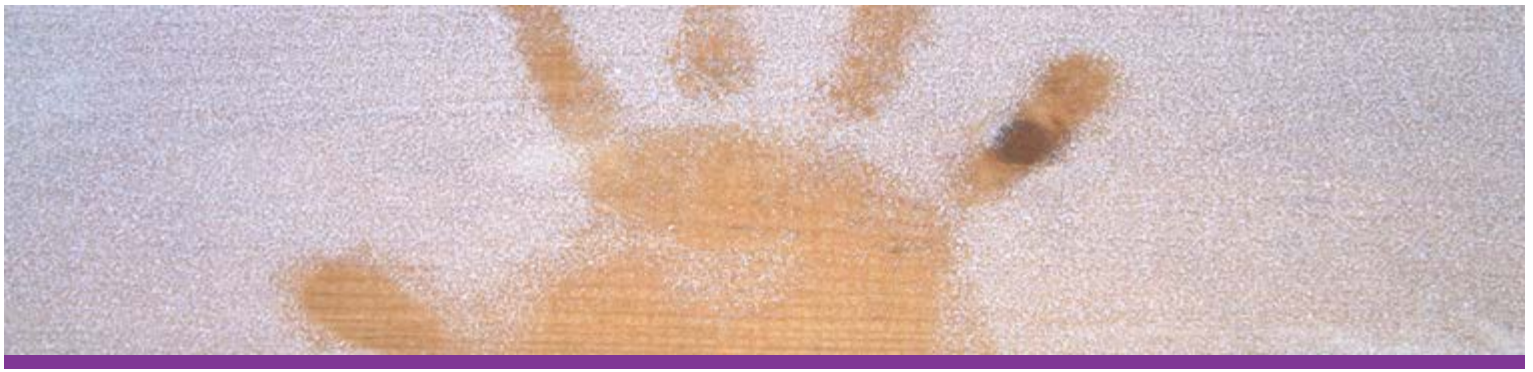
Heather B. Truelove, Assistant Professor

Dong-Yuan Wang, Associate Professor

Jennifer Wolff, Assistant Professor

Gabriel J. Ybarra, Associate Professor

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# Department of Sociology, Anthropology, and Social Work

**Location:** Building 51, Room 2304

**Phone:** (904) 620-2850

**Web Address:** <http://www.unf.edu/coas/sasw/>

**Dr. Krista E. Paulsen**, 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) Program was granted candidacy status by the Council on Social Work Education in February 2013, and anticipates achieving initial accreditation status by fall 2015. BSW graduates will have the option of entering an Advanced Standing MSW program, in which they can complete their graduate education in approximately one year (compared with two or more years without a BSW from an accredited program).

## The Program

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 emphasis 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

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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 training in the theory and practice of social work with 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 Sociology BA program is divided into two concentrations: General Sociology and Social Welfare. Both concentrations share a common core of courses in sociological theory and research methods, and both require six hours of lower-level sociology courses as a prerequisite. Students who have a broad interest in sociology or who aspire to graduate work in the field should consider the General Sociology concentration (33 credit hours), which allows maximum flexibility in the choice of major electives. Those who seek to apply sociological insights in the context of human services professions should select the Social Welfare concentration (36 credit hours), which includes core courses in social welfare as well as tailored electives. Both concentrations require 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.

**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. Prerequisites include five lower-level courses that provide background in social sciences and biology, and students are encouraged to take a lower-level course in social work or human service provision. 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. The degree program is designed for full-time students. Prospective students should consult the Department's website 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.

## 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 (offered each summer), undergraduate research opportunities, internship opportunities, and community-based learning. Faculty in both Sociology and Anthropology have led students on study abroad trips (to Morocco 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 Research Symposium. In 2014, over 20 students made presentations. 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

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**Krista E. Paulsen**, Associate Professor & Chair

Paul G. Clark, Assistant Professor

Rosa De Jorio, Associate Professor

Melissa D. Hargrove, Assistant Professor

David D. Jaffee, Professor

Ronald F. Kephart, Associate Professor



Scott D. Landes, Assistant Professor

Ronald A. Lukens-Bull, Professor

Ross E. McDonough, Instructor

Richard D. Phillips, Associate Professor

Gordon F. Rakita, Professor

Suzanne Simon, Associate Professor

Jennifer C. Spaulding-Givens, Assistant Professor

Jenny M. Stuber, Associate Professor

Robert L. Thunen, Associate Professor

Suzie Weng, Assistant Professor

JeffriAnne Wilder, Associate Professor

Jeffry A. Will, Professor

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The College of Computing, Engineering and Construction (CEEC) 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 the

- Bachelor of Science in **Computing and Information Sciences** - with concentrations in Computer Science, Information Systems, Information Science, and Information Technology
- 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 the

- Master of Science in **Computing and Information Sciences** - with concentrations in Computer Science, Information Systems, and Software Engineering
- Master of Science in **Electrical Engineering**
- Master of Science in **Civil Engineering**
- Master of Science in **Mechanical Engineering**

The College also collaborates with the Coggin College of Business to support an M.B.A. concentration in **Construction Management**.

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## Accreditation

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The undergraduate computer science, information systems, information science, and information technology programs are accredited by the Computing Accreditation Commission (CAC) of ABET,

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<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

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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

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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

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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

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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

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[www.unf.edu/ccec/facilities/](http://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 advanced School of Computing (SoC) laboratories are configured specifically to support upper-level and graduate instruction and research in robotics, data engineering, software development, mobile computing, computer security, 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, 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.

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.

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## Science and Engineering Building (Building 50)

Construction Management, Room 2400

**Phone:** (904) 620-2683

**Fax:** (904) 620-2573

**Web address:** [www.unf.edu/ccec/construction/](http://www.unf.edu/ccec/construction/)

## Mission

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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 our graduates' pursuit of career development and professional opportunities.

## Values

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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. We believe that cultural awareness and a global perspective, achieved through study abroad is critical to the complete education of construction professionals.
3. We believe 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.

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## Program goals

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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

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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

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The Construction Management program is accredited by the [American Council for Construction Education](#) through July, 2020.

## Admission

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Minimum requirements for admission into the Construction Management Program include:

1. Admission to the University of North Florida
2. Completion of the minimum general education requirements from a State of Florida two-year community college or four-year university;
3. A minimum of 63 credit hours of college course work with an overall GPA of 2.0 or better;
4. Completion of all program prerequisites with a grade of "C" or better in each course.

**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.** [\[Go to top\]](#)

## Academic Advising

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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

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All Construction Management students are strongly encouraged to take a one-semester internship. Students may elect to take an additional construction concentration track class to replace the internship requirement if necessary. In like manner, students may elect to complete a second internship to replace one of the construction elective class requirements.

## Construction Industry

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The Construction Management (CM) academic program is supported by various construction companies including:

APAC, Archer Western Contractors, Ltd., Ash Properties, Auld & White Contractors, LLC, Barnard Construction, Barton Malow, Batson Cook, BE&K, Brasfield and Gorrie, Danis Corporation, David Weekley Homes, Elkins Constructors, Favor-Gray, Haskell, Hensel Phelps, Hubbard, Kiewit, Manson Construction, Miller Electric, Petticoat-Schmitt Civil Contractors, RJ Griffin, Sauer, Stellar, Superior, Whiting-Turner, W.W. Gay.

### Sponsored CM Scholarships

- Elkins Constructors, Inc.
- The Haskell Company
- Stellar
- American Society of Highway Engineers
- American Concrete Institute
- Miller Electric Company
- Retail Contractors Association
- Society of American Military Engineers

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## Graduation Requirements

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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.

**Students taking classes at other institutions in their graduation term may delay their graduation due to transcript timing issues.**

Effective January 1, 2009 all students prior to graduation must:

1. Sit for an approved construction exam e.g., AIC, Florida Contractor Exam.  
This will be coordinated through Capstone class BCN 4709.
2. Complete an exit survey.



3. Apply for graduation before deadline.

[See website for graduation application deadlines](#)

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## Construction Management Faculty

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**Mag Malek**, Ph.D., Associate Professor & Chair

**David James Lambert**, Ph.D., Associate Professor

**Aiyin Jiang**, Ph.D., Associate Professor

**Roberto Soares**, Ph.D., Assistant Professor

**Carol Woodson**, Ph.D., Assistant Professor

**Raphael Crowley**, Ph.D., P.E., Assistant Professor

**James Sorce**, MBA, CCEC Lead Academic Advisor & Instructor

**April Somers**, Office Manager

**Department Location:** Science and Engineering Building (Bldg 50), Room 2400

**Department Phone:** (904) 620-2683

**Fax number:** (904) 620-2573

**Advising Office Location:** Science and Engineering Building (Bldg 50), Room 2200

**Advising Phone:** (904) 620-2759

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# School of Computing

## John E. Mathews Jr Building (Building 15)

School of Computing, Room 3201

**Director:** Asai Asaithambi, Ph.D.

**Phone:** (904) 620-2985

**Fax:** (904) 620-2988

**Web Address:** [www.unf.edu/cccec/computing/](http://www.unf.edu/cccec/computing/)

**Email:** [computing@unf.edu](mailto:computing@unf.edu)

## Bachelor of Science in Computing and Information Sciences

The School of Computing has primary responsibility for all computing-related instruction at UNF. For undergraduate students, the school offers the Bachelor of Science degree in Computing and Information Sciences with four separate programs:

- **Computer Science Program**, specializing in systems and scientific software
- **Information Systems Program**, emphasizing business application software with a business minor
- **Information Science Program**, emphasizing application software with a minor other than business chosen from the UNF catalog
- **Information Technology Program**, emphasizing planning, configuration and maintenance of computing infrastructure.

With all our programs, we expect our graduates to improve their communication skills, effectively collaborate, and conduct themselves professionally.

## Master of Science in Computing and Information Sciences

For graduate students, the school offers the Master of Science degree in Computing and Information Sciences with three separate programs:

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- **Computer Science Program**, specializing in systems and scientific software
- **Information Systems Program**, emphasizing software development and business practice
- **Software Engineering Program**, emphasizing principles and techniques of software development.

These programs provide the opportunity for advanced study, laboratory work, and research in the computing field, to enhance graduate's opportunities for professional positions in industry or for further academic endeavors.

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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.

## 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.

## Expectations

Students in the School of Computing expect faculty and staff:

- To be well prepared for class
- To manage class time wisely
- To provide thorough and prompt responses to questions and requests for information
- To have and enforce policies fairly and consistently
- To model civil behavior
- To model honest and ethical behavior (academic integrity)
- To assess/grade fairly and carefully
- To keep student grades and other personal information confidential
- To be sufficiently available through convenient office hours and technological sources of communication

The faculty and staff of the School of Computing expect students:

- To treat the instructor and other students in the class with respect, civility, and dignity
- To ask questions in good faith and in as clear a manner as possible
- Not to distract others in class
- To actively engage in class and School of Computing activities
- To turn work in on time
- Not to gossip about grades
- To make a conscientious effort at their work

## Advisory Council for Computer and Information Sciences (ACCIS)

This council is composed of approximately 25 persons from the business community who meet on a quarterly basis to advise the director on current industry trends in the computing and information sciences.

## Student Organizations

Faculty from the School sponsor student chapters of ACM, AITP, IEEE-CS 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

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**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/](http://www.unf.edu/ccec/computing/)

**Email:** [computing@unf.edu](mailto:computing@unf.edu)

**Asai Asaithambi**, Ph.D., Professor & Director, School of Computing

**Sanjay P. Ahuja**, Ph.D., Professor

**Yap S. Chua**, Ph.D., Professor Emeritus

**Neal S. Coulter**, Ph.D., Professor and Dean Emeritus

**Roger E. Eggen**, Ph.D., Professor & Director, Graduate Program

**William Klostermeyer**, Ph.D., Professor

**Kenneth E. Martin**, Ph.D., Professor

**Robert F. Roggio**, Ph.D., Professor

**Charles N. Winton**, Ph.D., Professor Emeritus

**Sherif A. Elfayoumy**, Ph.D., Associate Professor

**Zornitza G. Prodanoff**, Ph.D., Associate Professor

**Behrooz Seyed-Abbassi**, Ph.D., Associate Professor

**Judith L. Solano**, Ph.D., Associate Professor and Director Emerita

**Karthikeyan Umapathy**, Ph.D., Associate Professor

**Ching-Hua Chuan**, Ph.D., Assistant Professor

**Swapnoneel Roy**, Ph.D., Assistant Professor

**Edwin G. Harris II**, M.S., Instructor & Academic Advisor

**James Littleton**, M.S., Instructor

## Affiliated Graduate Faculty

**Richard Morin**, Ph.D., F.A.C.R., Brooks-Hollern Professor, Mayo Medical School

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## School of Computing Programs

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- **Information Science, BS** - [Program Description](#)
  - [Computing & Information Sciences - Information Science, BS](#)
- **Information Systems, BS** - [Program Description](#)
  - [Computing & Information Sciences - Information Systems/Business Minor, BS](#)
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## Undergraduate Program Information

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### 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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- [Admission with less than 2.0 Grade Point Average](#)
- [Academic Advising](#)
- [Transfer Coursework](#)
- [Concurrent Coursework](#)
- [Directed Independent Study](#)
- [Experiential Learning \(Co-op\)](#)
- [Satisfactory Progress Policy](#)
- [Probation/Suspension Policy](#)
- [Honors in the Major](#)

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.

### 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 Graduate 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.

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## **Academic Advising**

When a student is admitted to the School of Computing, an advisor will prepare a degree evaluation (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 degree evaluation must be scheduled within the first semester of attaining junior status. Advising appointments are scheduled through the School office, (904) 620-2985.

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## **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. Co-op experiences are considered free electives and cannot be used as major or minor electives.

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## **Satisfactory Progress Policy**

The School enforces a “one repeat” rule for all prerequisite and core requirements taught by the School. Students who do not successfully complete a computing prerequisite or core requirement on the first attempt (i.e. earn a grade of D, F, W, WP or WF) have one chance to repeat the course. Students who do not successfully complete a computing prerequisite or core requirement within two attempts will not be permitted to register for computing courses in future semesters. This policy applies to majors and minors in the School of Computing.

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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. The SRC meets once a term to review requests. Recommendations of the SRC are submitted to the School director and College dean for final decision.

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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 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 lower level Honors Program is open to freshmen and sophomores.

The upper level “Honors in the Major” program is open to juniors and seniors in the School of Computing. A student does not have to be in the lower level Honors Program to enroll in the upper level “Honors in the Major” program.

The “Honors in the Major” program in the School of Computing includes experience with a faculty mentor, research experience, honors colloquium, and special recognition on the student's transcript and diploma.

Admission is competitive and limited to students with a cumulative GPA of 3.5 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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## Computer Science Program, B.S.

The Computer Science Program at the University of North Florida 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 emphasizes course work in computational structures, systems software, data structures, artificial intelligence, algorithms, data modeling, modeling and simulation, computer graphics, compilers, operating systems, interfacing, computer architecture, robotics, and other applications and theory.

Graduates will be prepared for careers in systems development and programming involving



compiler, operating system and database design, modeling and simulation, artificial intelligence and robotics, computer graphics, computer architecture and interfacing, computer communications and scientific applications.

The Computer Science Program requires a strong background in mathematics and science, including calculus and calculus-based physics. It is recommended for those interested in the more technically and scientifically oriented areas of computing.

The Computer Science [Academic Learning Compact](#) articulates the program's educational objectives and outcomes.

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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 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 with concentrations in Computer Networking, Mobile Computing, and Computer Security Administration. 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, 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 selecting one of three available concentrations, students attain expertise in an area of growing demand.

The Information Technology [Academic Learning Compact](#) articulates the program's educational objectives and outcomes.

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## Graduate Program Information

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### 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, Building 15/Room 3201.

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### 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, information systems, or software engineering.

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 before seeking admission into the graduate program. Such students may make an appointment with an advisor to develop a program of study to meet background preparation requirements in computer science, information systems, or software engineering as outlined below:

### Computer Science Preparation

- Computability (COT 3210 at UNF)
- Data Structures (COP 3530 at UNF)
- Systems Software (COP 3404 at UNF)

## Information Systems Preparation

- Object-Oriented Programming & Data Structures (COP 3538 at UNF)
- Database Systems (COP 4720 at UNF)
- Financial Analysis (FIN 5405 at UNF)
- Management and Marketing (MAN 5036 at UNF)

## Software Engineering Preparation

- Object-Oriented Programming & Data Structures (COP 3538 at UNF)
- Database Systems (COP 4720 at UNF)

Note: Each of the prerequisite courses listed has its own 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 computer science, information systems, or software engineering. 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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## Program Requirements

The degree candidate is required to complete 30 credit hours of course work and a master's thesis (at least 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 a way as to enhance the discipline of the computing sciences. A supporting programming project may be undertaken to the extent that it provides insight or data for subsequent research. The overall effort is to be research-oriented or have a unique and specific application.

## Academic Policies and Requirements

1. All courses taken for credit towards the master's degree must be on an approved program of study developed with the graduate program director.
2. A total of 36 credit hours of approved 5000 and 6000 level courses must be completed.
3. A minimum of 21 credit hours at the 6000 level must be taken within the School (includes 6 credit hours of CIS 6970, thesis).
4. With the prior approval of the graduate program director, the program of study may include up to two directed independent studies, each one taken with a different faculty member.
5. Up to 6 credit hours may be transferred in or taken from other colleges within the University or through FEEDS with prior approval of the graduate program director.
6. Generally, courses applied to the program of study must be completed with a grade of "B" or above. However, one course with grade of "C" may be applied to the program of study, provided the student's GPA does not fall below a 3.0. A course may be repeated no more than once, with the exception of CIS 6970 (thesis).

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## Computer Science Program, M.S.

The Computer Science Program for the M.S. in Computer and Information Sciences is designed to add breadth and depth to a typical bachelor's degree program in computer science. Breadth must be demonstrated in the areas of computer networks, operating systems, algorithms, and databases. Depth must be accomplished in the areas of graphics/interfaces, networks, advanced systems, and

data/language paradigms. Overall mastery of the discipline is demonstrated by submission of a master's thesis.

An academic background in Computer Science is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

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## Information Systems Program , M.S.

The Information Systems Program for the M.S. in Computer and Information Sciences is designed to build upon a bachelor's degree program in information systems that has substantial content in both software development and business practice. Technical core content provides hands-on software engineering that addresses software life-cycle, database engineering, and project management issues. Business core content is oriented towards e-commerce issues in management, marketing, and finance. Additional technical coursework in software engineering assures depth in one or more additional subject areas. Overall mastery of the discipline is demonstrated by submission of a master's thesis.

An academic background in Information Systems is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

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## Software Engineering Program, M.S.

The Software Engineering Program for the M.S. in Computer and Information Sciences is designed to build upon a CIS bachelor's degree program, which has substantial content in software development. Core content for the program emphasizes hands-on software engineering as practiced in this day and time. Additional coursework in software engineering assures depth in one or more subject areas. Experience in the practice of software engineering is emphasized by participation in a "real-world" supervised group project. Overall mastery of the discipline is demonstrated by submission of a master's thesis.

An academic background that includes software development principles and techniques is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

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## Accelerated BS/MS Computer Science Program

The School of Computing offers an accelerated program which allows students to obtain both Bachelor's and Master's Degrees in Computer Science in as little as 5 years.

Committed students who are academically motivated can take advantage of this program of study. This program requires a strong background in mathematics and science, including calculus and calculus based physics.

Unique Program Characteristics:

- Students interested in the program can begin taking core computer science classes (3000-level) as early as the first semester of their second year.
- A maximum of 15 credits of approved coursework can be applied toward both degrees.
- Upon completion of the program (141 credits) students will be awarded both their BS and MS degrees.

Selective Admission:

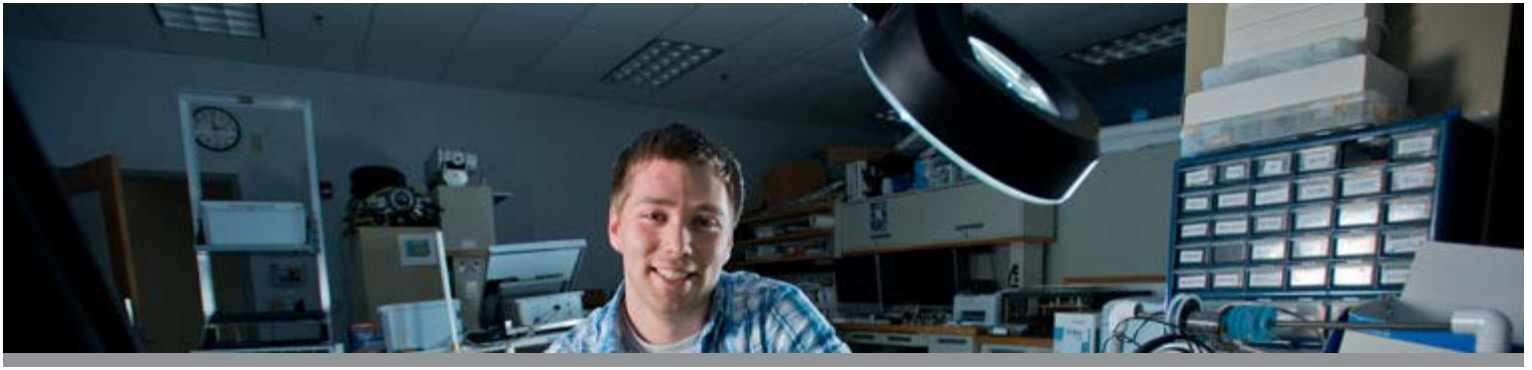
- You must apply to the School of Computing for acceptance into this accelerated program during the term in which you will complete the 3000-level computer science required courses, and have at least 60 credit hours towards your BS degree.
- You must have earned an "A" in at least 3 of the 3000-level required computer science classes, and no less than a "B" in 3 other 3000-level required computer science classes.

#### Transition to Graduate Program:

- Prior to earning 120 credit hours, you must successfully complete the General Record Exam (GRE ) with a total verbal and quantitative score of 1000 or higher.
- You must apply through admissions for acceptance into the graduate computer science program as well as having your GRE scores submitted.

Meet with a School of Computing academic advisor early in your first year at UNF to develop a schedule that will prepare you for admission to this program.

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# School of Engineering

**Director:** Murat Tiryakioğlu, Ph.D., C.Q.E

### Science and Engineering Building (Building 50)

School of Engineering, Room 2500

**Phone:** (904) 620-1390

**Fax:** (904) 620-1391

**Web Address:** [www.unf.edu/ccec/engineering](http://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 faculty of the School of Engineering (SoE) offers accredited programs in Civil Engineering, Electrical Engineering, and Mechanical Engineering 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 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 office.

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 Electronic Engineers (IEEE)
- American Society of Mechanical Engineers (ASME)
- Society of Automotive Engineers (SAE)
- Florida Engineering Society (FES)
- Society of Women Engineers (SWE)
- American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE)
- National Society of Black Engineers (NSBE)
- Florida Water Environment Association (FWEA)
- American Society of Highway Engineers (ASHE)

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- Society of Hispanic Professional Engineers (SHPE)
- Florida Structural Engineers Association (FSEA)
- American Water Resources Association (AWRA)

## Vision

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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## Transformational Learning Opportunities

All undergraduate engineering programs in the UNF School of Engineering are transformational - this is the very nature of an engineering education at UNF. However, in addition to a rigorous, focused curriculum students have multiple opportunities to participate in significant research projects, regional and national design competitions, international travel and study, community and international outreach activities, student chapter leadership, cooperative education experiences, and internships.

## Academic Advising

Once admitted to an engineering program advising is conducted through the School of Engineering office (room 2500, Building 50). Initially, the SoE academic advisors assign a faculty advisor and prepares a program of study outlining all graduation requirements. Thereafter, the student meets each semester with the academic and faculty advisors to develop a course schedule and track progress through the degree program.

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## School of Engineering Faculty

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**Murat Tiryakioğlu** , Ph.D., C.Q.E., Professor & Director, School of Engineering  
(904) 620-1390; Fax (904) 620-1391

## Civil Engineering

**Nick W. Hudyma**, Ph.D., P.E., Professor

**Donald Resio**, Ph.D., Professor & Director, Taylor Engineering Research Institute

**Mark A. Tumeo**, Ph.D., P.E., J.D., Dean, College of Computing, Engineering and Construction

**William Dally**, Ph.D., P.E., Associate Professor

**Adel El-Safty**, Ph.D., P.E., Associate Professor

**Thobias Sando**, Ph.D., P.E., Associate Professor

**Peter Bacopoulos**, Ph.D., Assistant Professor

**Chris Brown**, Ph.D., P.E., Assistant Professor

**Eileen Pesantes-Tauares**, Ph.D., P.E., Instructor and Academic Advisor

## Electrical Engineering

**Chiu H. Choi**, Ph.D., P.E., Professor

**Alan Harris**, Ph.D., Associate Professor

**Juan Aceros**, Ph.D., Assistant Professor

**O. Patrick Kreidl**, Ph.D., Assistant Professor

**Brian Kopp**, Ph.D., Assistant Professor

## Mechanical Engineering

**Daniel J. Cox**, Ph.D., Professor

**Murat Tiryakioğlu** , Ph.D., C.Q.E., Professor

**Alexandra Schönning**, Ph.D., Professor

**Paul D. Eason**, Ph.D., P.E., Associate Professor

**James H. Fletcher**, Ph.D., Associate Professor

**John Nuskowski**, Ph.D., Assistant Professor

**Ehsan Maleki**, Ph.D., Instructor and Academic Advisor

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## Undergraduate Program Information

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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.

### Accreditation

The Civil Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

### Program Educational Objectives

UNF Engineering graduates will:

- have sound engineering fundamentals.
- have strong team and leadership skills.
- have strong problem solving skills.
- demonstrate an ability to learn and advance.
- demonstrate effective communication skills.

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### Program Outcomes

Graduates of the BSCE Program have:

- an ability to apply knowledge of mathematics, science, and engineering;
- an ability to design and conduct experiments, as well as analyze and interpret data;
- an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability;
- an ability to function on multi-disciplinary teams;
- an ability to identify, formulate, and solve engineering problems;
- an understanding of professional and ethical responsibility;
- an ability to communicate effectively;
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context;
- a recognition of the need for, and an ability to engage in, life-long learning;
- a knowledge of contemporary issues;
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
- apply knowledge of mathematics through differential equations, calculus-based physics, chemistry, and at least one additional area of basic science, consistent with the program educational objectives
- apply knowledge of four technical areas appropriate to civil engineering
- conduct civil engineering experiments and analyze and interpret the resulting data
- design a system, component, or process in more than one civil engineering context
- explain basic concepts in management, business, public policy, and leadership
- explain the importance of professional licensure.

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## Civil Engineering Admission Prerequisites

Formal admission to the civil engineering degree program at UNF occurs after the completion of program prerequisites. Admission is based primarily on the student's grades in both the calculus and physics sequences. A grade of C+ or higher is required in the calculus and physics courses. Grades of C or better are required in all other engineering courses.

## Major Requirements

The Civil Engineering program requires 128 credit hours.

In addition to 50 credits of Common Engineering Prerequisites and 68 credits of program requirements, the remaining 10 credits of lower division coursework are used to satisfy the remaining three credits of the English General Education requirements, EGN 3311 Statics, Intro to Engineering I and Intro to Engineering II.

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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.

The School of Engineering offers a Bachelor of Science in Electrical Engineering (BSEE) with either computer design or system design options, and a minor in electrical engineering.

## Accreditation

The Electrical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

## Program Educational Objectives

UNF Engineering graduates will:

- have sound engineering fundamentals.
- have strong team and leadership skills.
- have strong problem solving skills.
- demonstrate an ability to learn and advance.
- demonstrate effective communication skills.

## Program Outcomes

Graduates of the BSEE Program have:

- an ability to apply knowledge of mathematics, science, and engineering;
- an ability to design and conduct experiments, as well as analyze and interpret data;
- an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability;
- an ability to function on multi-disciplinary teams;
- an ability to identify, formulate, and solve engineering problems;
- an understanding of professional and ethical responsibilities;
- an ability to communicate effectively;
- the broad education necessary to understand the impact of engineering solutions in a global,

economic, environmental, and societal context;

- a recognition of the need for, and ability to engage in, life-long learning;
- a knowledge of contemporary issues;
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
- an ability to apply probability and statistics in the analysis and design
- an ability to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components
- an ability to apply advanced mathematics, such as differential equations, linear algebra, complex variables, and discrete mathematics, in the analysis and design of electrical/electronic systems, components, or processes
- an ability to apply differential and integral calculus and calculus-based sciences in the analysis and design of electrical/electronic systems, components, or processes.

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## Electrical Engineering Admission Prerequisites

Formal admission to the electrical engineering degree program at UNF occurs after the completion of program prerequisites. Admission is based primarily on the student's grades in both the calculus and physics sequences. A grade of C+ or higher is required in the calculus and physics courses. Grades of C or better are required in all other engineering courses.

## Major Requirements

The Electrical Engineering major requires 128 credit hours.

In addition to 50 credits of Common Engineering Prerequisites and 65 credits of program requirements, the remaining 13 credits of lower division coursework are used to satisfy the remaining three credits of the English General Education requirements, COP 2220 Computer Science I, EGN 3311 Statics, Intro to Engineering I and Intro to Engineering II.

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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.

## Accreditation

The Mechanical Engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

## Program Educational Objectives

UNF Engineering graduates will:

- have sound engineering fundamentals.
- have strong team and leadership skills.
- have strong problem solving skills.
- demonstrate an ability to learn and advance.

demonstrate effective communication skills.

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## Program Outcomes

Graduates of the BSME Program have:

- an ability to apply knowledge of mathematics, science, and engineering;
- an ability to design and conduct experiments, as well as analyze and interpret data;
- an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability;
- an ability to function on multi-disciplinary teams;
- an ability to identify, formulate, and solve engineering problems;
- an understanding of professional and ethical responsibilities;
- an ability to communicate effectively;
- the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context;
- a recognition of the need for, and ability to engage in, life-long learning;
- a knowledge of contemporary issues;
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
- an ability to apply principles of engineering, basic science, and mathematics (including multivariate calculus and differential equations)
- an ability to model, analyze, design, and realize physical systems, components or processes
- a preparation to work professionally in both thermal and mechanical systems areas.

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## Mechanical Engineering Admission Prerequisites

Formal admission to the mechanical engineering degree program at UNF occurs after the completion of program prerequisites. Admission is based primarily on the student's grades in both the calculus and physics sequences. A grade of C+ or higher is required in the calculus and physics courses. Grades of C or better are required in all other engineering courses.

## Major Requirements

The Mechanical Engineering program requires 128 credit hours.

In addition to 50 credits of Common Engineering Prerequisites and 65 credits of program requirements, the remaining 13 credits of lower division coursework are used to satisfy the remaining three credits of the English General Education requirements, COP 2220 Computer Science I, EGN 3311 Statics, Intro to Engineering I and Intro to Engineering II.

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## Graduate Program Information

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### 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. 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
- 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](#)
- [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.

**\*\*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:

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 School of Engineering program 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 School of Engineering 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.

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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 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 or thermofluids areas of mechanical 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).

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## Vision

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The vision of the College of Education and Human Services is to be active leaders and responsive partners in the study and enhancement of teaching and learning within diverse learning communities. Within our learning community, we engage with each other and our students as professional partners.

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## Mission

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Since its founding, the College of Education and Human Services has defined its mission as the preparation and support of educators who are competent and contributing professionals for diverse learning communities in northeast Florida. The faculty are engaged as active leaders and responsive partners in the study and improvement of teaching and learning within a pluralistic society. We are committed to developing life-long learners who contribute to their communities and succeed in a changing world. Our mission is to engage with our students and professional partners in experiences that promote the following.

- Candidate dispositions for the development and demonstration of ethical and professional attitudes and beliefs;
- Ongoing, active reflection on professional practice;
- Multiculturalism through educators who value diversity and advocate for the success of all P-20 students within diverse learning communities;
- Professional growth of pre-service and experienced educators and other helping professionals;
- Academic programs that are rigorous, standards-based, and apply innovative and enduring ideas about teaching and learning;
- Scholarship for advancement of the professional knowledge base; and
- Service to the University, P-12 schools, the profession, and the community. Each of these elements of the mission will be described more fully.

Ethical and professional dispositions include honoring and embracing diversity, equity, and equality of opportunity. Ethical educators view themselves and others as valued members of a learning community. They model professional integrity.

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Active reflection on professional practice means that educators and other helping professionals are committed to professional renewal, self-assessment, and life-long learning. Programs and experiences encourage professionals to engage in reflective practice and self-assessment, take informed risks, and participate in the change process.

Educators who value diversity are prepared to acquire and apply the tools, content, technology, and strategies needed to assure that all students realize their full potential. They work in partnerships among post-secondary institutions, community agencies, and P-12 schools with the goal of improving learning.

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## Accreditation

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**The Teacher Education Unit at the University of North Florida is accredited by:**

- National Council for Accreditation of Teacher Education (NCATE)  
2010 Massachusetts Avenue NW, Suite 500  
Washington, DC 22036  
Telephone Number (202) 466-7496

**Programs in Education are accredited and approved by the following:**

- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Council on Education of the Deaf (CED)
- Florida Department of Education (FDOE)

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# Department of Childhood Education, Literacy and TESOL

- [Bachelor of Arts in Education](#)
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## Bachelor of Arts in Education

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**Web Address:** <http://www.unf.edu/coehs/celt/>

The Department of Childhood Education, Literacy and TESOL's (CELT) mission is to train knowledgeable teachers and related professionals who are effective in creatively meeting the needs of pre-kindergarten through sixth-grade children in a range of school and community settings including a focus on working in urban schools. The department is committed to developing professional educators who are guided by rigorous standards-based curriculum, and who are innovative, technologically savvy, reflective, ethical, and culturally responsive. The department prides itself in working closely with its public school and community partners to provide pre-service teachers with a range of supervised field experiences which offer opportunities for authentic learning, critical thinking, research, and service.

The Department of Childhood Education, Literacy, and TESOL offers undergraduate programs in the following areas:

- [Pre-Kindergarten - Primary Education \(age 3 - grade 3\)](#)
- [Elementary Education \(grades K - 6\)](#)

The Department of Childhood Education, Literacy and TESOL (CELT) has as its objectives the development of specified competencies needed for effective 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.

While CELT has specific prerequisite courses, students are expected to be able to demonstrate communication skills throughout the program. In addition to this, students will be expected to demonstrate mastery of learning in mathematics, science, and social sciences within appropriate parts of the program. Further, students are expected to demonstrate behaviors and dispositions commensurate with established standards for professional educators, including the Florida Educator Accomplished Practices.

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Persons seeking certification to teach in schools should follow the prescribed admission requirements for the College of Education and Human Services. A grade of "C" or better is required of all upper- and lower-level courses in order for those courses to be applicable to the program of study or used as prerequisites. Additionally, an overall GPA of 2.5 and passing scores on all parts of the Florida Teacher Certification Exam (FTCE) are required for graduation.

The State of Florida mandates certification requirements for teachers. Students should see their academic advisors frequently to obtain appropriate advisement for current certification requirements.

The Department of Childhood, Literacy and TESOL is also offering a minor in Early Childhood Education.

- [Minor in Early Childhood Education](#)

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## Master of Education in Elementary Education

The Department of Childhood Education, Literacy, and TESOL's graduate programs assist 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 of 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 the Professional Education and P-12 TESOL with various options of specialization including: Early Childhood, Prekindergarten/Primary, Elementary, 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 related field, is required to pursue the certificates. **It should be noted that traditional types of financial aid are not available for certificate programs.**

**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 ages 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 Teachers of 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 on his/her existing Florida teacher's certificate. Coursework covers the ESOL domains of linguistics, assessment, culture, methods, and curriculum.

- [Master of Education in Elementary Education/Professional Education](#)
- [Master of Education in Elementary Education/Literacy](#)
- [Master of Education in Elementary Education/TESOL](#)

**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/Professional Education:**

1. Requirements include a 3.0 GPA for the last 60 hours of undergraduate study, and
2. Three letters of recommendation

**Master of Education Elementary Education/Literacy**

1. Requirements include 3.0 GPA for the last 60 hours of undergraduate study
2. A copy of a valid Florida Teaching Certificate or Statement of Eligibility
3. Three letters of recommendation

**Master of Education Elementary Education/TESOL**

1. Letter/statement of intent

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.

## Department of Childhood Education, Literacy and TESOL Faculty

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John Venn, Ph.D., Interim Chair, Professor

### Undergraduate

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Ronghua (John) Ouyang, Ph.D., Professor

Wanda Hedrick, Professor

Candice Carter, Associate Professor

Nile Stanley, Associate Professor

Christine Weber, Associate Professor

Katrina Hall, Associate Professor

Lunetta Williams, Associate Professor

Jin-Suk Byun, Assistant Professor

Kim Cheek, Assistant Professor

Katie Monnin, Associate Professor

Stacy Boote, Assistant Professor

Georgina David, Visiting Assistant Professor

Lena Shaqareq, Visiting Instructor

Catherine McMurria, Visiting Professor

### Graduate

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Ronghua (John) Ouyang, Ph.D., Professor

Wanda Hedrick, Ph.D., Professor

Candice Carter, Ph.D., Associate Professor

Nile V. Stanley, Ph.D., Associate Professor

Christine Weber, Ph.D., Associate Professor

Katrina Hall, Ph.D., Associate Professor

Lunetta Williams, Ph.D., Associate Professor

**Jin-Suk Byun**, Ph.D., Assistant Professor  
**Katie M. Monnin**, Ph.D., Associate Professor  
**Stacy Boote**, Ph.D., Assistant Professor  
**Kim Cheek**, Ph.D., Assistant Professor

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## Bachelor of Arts in Education

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**Web Address:** <http://www.unf.edu/coehs/edie/>

The undergraduate program in exceptional student education 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 required to be certified in another content area such as PreK/Primary, Elementary Education K-6, Middle Grade, or the Secondary Education disciplines in order to be consider highly qualified.**

Exceptional, Deaf and Interpreting Education also offers a concentration in deaf studies. Deaf studies is a five-year program in which students complete certification in deaf education at the master's degree level. Teacher education candidates must pass all parts of the Florida Teacher Certification Exam as an internship and graduation requirement. **Please note: Unlike Special Education, Deaf Education/Deaf Studies is NOT an ESOL degree program.**

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 Advising, Bldg. 57, Room 1070. (904) 620-2530.

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 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. 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 for information regarding fingerprinting procedures.

- [Special Education: Exceptional Student Education K-12](#)

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## Bachelor of Science in ASL/English Interpreting

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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](#)

The Department of Exceptional, Deaf and Interpreter Education offers a minor in:

- [American Sign Language / Deaf Studies](#)

### 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.

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## Master of Education in Special Education

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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 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 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.
- 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
- The fifth concentration is in ASL/English Interpreting.

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;
- submit scores on the Graduate Record Exam (GRE) taken within the last five years;
- 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)**

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### **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](#)
- [Autism](#)

### **ASL/English Interpreting Concentration**

The ASL/English Interpreting concentration 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 new 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.

- [American Sign Language Interpreting](#)

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# Department of Exceptional Deaf & Interpreter Education

## Faculty

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### Undergraduate

**Karen Patterson**, Chair and Associate Professor

**Thomas S. Serwatka**, Vice President and Professor

**Len Roberson**, Associate Professor and Associate Vice President for Academic Technology and Innovation

**Gerard R. Giordano**, Professor

**Kristine Webb**, Professor and Director of Disability Resource Center

**Marsha H. Lupi**, Associate Dean and Associate Professor

**Sherry L. Shaw**, Professor and Director of ASL/English Interpreting Program

**Janice Seabrooks-Blackmore**, Associate Professor and Director: ESE

**Susan Syverud**, Associate Professor and Professor in Residence

**Janice Humphrey**, Associate Professor

**Caroline Guardino**, Associate Professor and Director: Deaf Education

**Deborah Reed**, Instructor

**Jonathan Antal**, Instructor, ASL

**Michael Stultz**, Instructor, ASL

**Dawn Wessling**, Staff Interpreter and Instructor

### Graduate

**Karen B. Patterson**, Ph.D., Chair and Associate Professor

**Len Roberson**, Ph.D., Associate Professor and Associate Vice President for Academic Technology and Innovation

**Thomas Serwatka**, Ph.D., Vice President and Professor

**Gerard R. Giordano**, Ph.D., Professor

**Kristine Webb**, Ph.D. Professor and Director of Disability Resource Center

**Marsha H. Lupi**, Ed.D., Interim Dean and Associate Professor

**Sherry L. Shaw**, Ed.D., Professor and Director: ASL/Interpreting

**Janice Seabrooks-Blackmore**, Ph.D., Associate Professor and Director: ESE

**Janice Humphrey**, Ed.D., Associate Professor

**Susan S. Syverud**, Ph.D., Associate Professor

**Caroline Guardino**, Ph.D., Associate Professor and Director: Deaf Education

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# Department of Foundations and Secondary Education

- [Bachelor of Arts in Education](#)
- [Master of Education Degree in Curriculum and Instruction](#)
- [Foundations and Secondary Education Faculty](#)

## Bachelor of Arts in Education

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**Web Address:** <http://www.unf.edu/coehs/fse/>

The purpose of the undergraduate programs in the Department of Foundations and Secondary Education is to carry out the goals of the College of Education and Human Services as they specifically relate to the preparation of teachers and related educational professionals for K-12 settings.

Teacher education programs in the department prepare teachers who will impact the learning of and actively respond to the needs of students from diverse backgrounds. The programs enable pre-service teachers to demonstrate research-based pedagogical practices, to expand their content knowledge in order to help students meet the challenges of the 21st century, to use educational technologies thoughtfully, and to appreciate the role of critical thinking in education.

The Department of Foundations and Secondary Education offers undergraduate programs in the following areas:

Middle School Education, with a concentration in:

- [Mathematics/Science \(5-9\)](#)

Secondary Education, with majors in:

- [Biology \(6-12\)](#)
- [Chemistry \(6-12\)](#)
- [English \(6-12\)](#)
- [Mathematics \(6-12\)](#)
- [Physics \(6-12\)](#)
- [Social Studies \(6-12\)](#)

K-12 Programs:

- [Art Education](#)
- [Physical Education](#)

The department has as its objectives the development of specified competencies needed for effective 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 division faculty will be those methods the students are expected to learn.

Whereas the department has formulated specific lists of prerequisite courses, all students are expected to be able to demonstrate basic skills in communication throughout the program. Further, students are expected to demonstrate behaviors, attitudes, and dispositions commensurate with established standards for professional educators, including the Florida Educator Accomplished Practices.

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Persons seeking certification to teach in schools should follow the prescribed admission requirements for the College of Education and Human Services. Obtaining passing scores on all parts of the General Knowledge (GK) test and grades of "C" or better in all course work applicable to their program of study and/or used as prerequisites. Additionally, an overall minimum GPA of 2.5 is required for admission and must be maintained throughout their program leading to graduation. Passing scores on all parts of the FTCE are required for graduation.

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## **Master of Education in Curriculum and Instruction**

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The mission of the department is to assist learners in developing personal and professional competencies needed for successful instruction in middle, secondary, and postsecondary educational settings. 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.

### **Category I - Master's Degree Programs for Teachers with Professional Teaching Certificates**

Programs for certificated teachers that extend professional skills and knowledge and lead 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. The degree emphasizes ongoing data collection and analysis in the teacher's classroom and culminates in a action research project.

### **Category II - Non-degree Studies that Lead to Certification**

These studies are highly individualized course-by-course sequences that approximate the minimal standards required for certification through the Florida Department of Education. A baccalaureate degree is required to pursue course-by-course certification. All undergraduate requirements for admission apply for an individual to qualify as an active "teacher certification only" (TCO) candidate. Course-by-course certification can be achieved for both initial certification and add-on endorsements to a current valid teaching certificate. Because course-by-course certification is determined by current state requirements and not as a result of successful completion of the Department of Foundations and Secondary Education's state approved teacher preparation program, actual requirements can and do change frequently. The COEHS Office of Academic Advising, (904) 620-2530, has current information regarding certification requirements. It is important for the student to understand that teacher certification is granted by the Florida Department of Education and not from the University of North Florida.

### **Category III - Non-Degree Studies for Professional Development and Enrichment**

The college recognizes the on-going need for educational advancement of teachers. The department provides opportunities for non-degree avenues of study for experienced teachers for certificate renewal (TCR) as well as post-master's-degree course of study. These opportunities are highly variable and can be customized in a variety of ways. Individuals may enroll in courses of interest or an entire school staff may request a specific course by an instructor who is sent to the school site for weekly instruction. Inquire for current possibilities by contacting the Office of Academic Advising in the College of Education and Human Services, (904) 620-2530.

- [Curriculum and Instruction - Professional Education](#)

#### **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 work as an upper division student, normally 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:**

1. Scores of 153 on the Verbal Reasoning and 144 on the Quantitative Reasoning portions of the Graduate Record Examination (GRE) or a 3.0 GPA for the last 60 credit hours of undergraduate study.
2. Three letters of recommendation
3. A copy of a valid Teaching Certificate or Statement of Eligibility
4. Statement of Intern/Goals (Candidates should prepare to write their statement of intent and goals by visiting the Curriculum and Instruction graduate program website for information about faculty and their research interests and descriptions of courses offered. This will give a sense of the culture and

priorities of the program and how it might meet the candidate's professional development needs. The statement should address reasons for interest in the program, intended course of study (topics and areas of interest) and goals after completion. The statement should be between 1 - 2 pages, double-spaced, and use 12 point font, approximately 250 - 500 words.)

5. CV or Resume (Candidates should include a CV/Resume on work relevant to teaching and related experiences. This document should be limited to 1 - 2 pages.)

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## Department of Foundations and Secondary Education Faculty

### Undergraduate

**Jeffrey W. Cornett**, Chair and Professor

**Phillip S. Riner**, Professor

**Richard H. Chant**, Associate Professor, Program Leader: Middle/Secondary Education

**Otilia L. Salmon**, Associate Professor

**John W. White**, Associate Professor

**Carolyn Ali-Khan**, Assistant Professor

**Daniel L. Dinsmore**, Assistant Professor

**Wanda G. Lastrapes**, Assistant Professor, Program Leader: Foundations

**Madalina Tanase**, Assistant Professor

**Hope (Bess) Wilson**, Assistant Professor

**Brian P. Zoellner**, Assistant Professor

**Luciana Braga**, Assistant Professor

### Graduate

**Jeffrey W. Cornett**, Ph.D., Chair and Professor

**Phillip S. Riner**, Ed.D., Professor

**Richard H. Chant**, Ed.D., Associate Professor and Program Leader: Middle/Secondary Education

**Otilia L. Salmon**, Ph.D., Associate Professor

**John W. White**, Ph.D., Associate Professor

**Carolyn Ali-Khan**, Ph.D., Assistant Professor

**Daniel L. Dinsmore**, Ph.D., Assistant Professor

**Wanda G. Lastrapes**, Ph.D., Assistant Professor, Program Leader: Foundation

**Madalina Tanase**, Ph.D., Assistant Professor

**Hope (Bess) Wilson**, Ph.D., Assistant Professor

**Brian P. Zoellner**, Ph.D., Assistant Professor

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# Department of Leadership, School Counseling & Sports Management

**Web Address:** <http://www.unf.edu/coehs/lscsm/>

## Undergraduate

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### 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. The Community Sport Concentration is an appropriate concentration for candidates who seek leadership and/or instructional careers in settings offering sport, fitness, and recreation programming. Students interested in this degree program should contact Program Coordinator, Dr. Jason Lee, 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](#)
- [Community Sport](#)

The Department of Leadership, School Counseling and Sport Management offers undergraduate minors in the following areas:

- [Sport Management](#)

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## Graduate

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The Department of Leadership, School Counseling, and Sport Management offers professional studies suitable for students interested in careers in educational leadership, school counseling, and

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Athletic Administration. Master of Education programs are offered in school leadership, advanced teaching and learning, and Higher Education Administration, educational leadership technology, school counseling, and athletic administration and a Doctor of Education program in educational leadership.

- [Doctor of Education in Educational Leadership](#)
- [Master of Education in School Leadership](#)
- [Master of Education in Higher Education Administration](#)
- [Master of Education in Advanced Teaching and Learning](#)
- [Master of Education in Educational Technology Leadership](#)
- [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.

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## **Department of Leadership, School Counseling & Sports Management Faculty**

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### **Undergraduate**

**Jennifer Kane**, Ph.D. Interim Associate Dean and Associate Professor  
**Christopher A. Janson**, Ph.D. Interim Chair and Associate Professor  
**E. Newton Jackson**, Ph.D. Professor  
**Terence Cavanaugh**, Ph.D. Associate Professor  
**Elizabeth Gregg**, Ph.D. Assistant Professor  
**Jason W. Lee**, Ph.D. Associate Professor and Program Director for Sport Management  
**Kristi Sweeney**, Ph.D. Assistant Professor  
**Maurice Graham**, Visiting Instructor

### **Graduate**

**Jennifer Kane**, Ph.D. Interim Associate Dean and Associate Professor  
**Cheryl A. Fountain**, Ed.D. Professor and Executive Director, Florida Institute of Education  
**Sandra L. Gupton**, Ph.D. Professor  
**E. Newton Jackson**, Ph.D. Professor  
**Elinor Scheirer**, Ph.D. Professor  
**Carolyn B. Stone**, Ed.D. Professor and Program Director for School Counseling  
**Warren A. Hodge**, Ph.D. Associate Professor  
**Terence Cavanaugh**, Ph.D. Associate Professor  
**Luke M. Cornelius**, Ph.D. JD. Associate Professor  
**Christopher A. Janson**, Ph.D. Associate Professor  
**Rebecca A. Schumacher**, Ph.D. Assistant Professor and Program Director for School Counseling  
**Elizabeth Gregg**, Ph.D. Assistant Professor  
**Jason W. Lee**, Ph.D. Associate Professor and Program Director for Sport Management  
**Sophie Maxis**, Ph.D. Assistant Professor  
**Kristi Sweeney**, Ph.D. Assistant Professor  
**Francis Godwyll**, Ph.D. Associate Professor and Program Director for Ed.D. in Educational Leadership  
**Anne Swanson**, Ph.D. Visiting Assistant Professor and Program Leader for M.Ed. in Educational Leadership

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# Course Designations

The catalog number for all courses is the number developed by the Statewide Course Numbering System. These designations have been developed by faculty task forces to aid the transfer process for students with equated courses from public institutions within Florida.

Courses are identified with an alphabetic and numeric coding system. The alphabetic abbreviation identifies the course content and the numbers have the following meaning:

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

For a more detailed explanation of the Statewide Course Numbering System, please [click here](#).



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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 post-secondary institutions in Florida and 27 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at <http://scns.fldoe.org>.

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 type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, 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 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 59 different 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, having the same prefix and course number without a lab indicator, which 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 college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101.

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 semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

### **The Course Prefix**

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category 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 non public 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 have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student

must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- A. Courses not offered by the receiving institution.
- B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- C. Courses in the \_900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses, and Dissertations.
- D. Applied academics for adult education courses.
- E. Graduate courses.
- F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
- G. 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 Nonregionally Accredited Institutions**

The Statewide Course Numbering System makes available on its home page (<http://scns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains 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 Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to 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>.

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Biology - Coastal 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 - Medical Laboratory Sciences, BS	Music Performance - Piano Performance and Pedagogy, BM
Biology - Molecular/Cell Bio. & Biotech, BS	Philosophy - General Philosophical Studies, BA
Chemistry - Biochemistry, BS	Philosophy - Historical & Comparative Studi, BA
Chemistry - General, BS	Philosophy - Legal-Political-Social Studies, BA
Chemistry - Materials Chemistry, BS	Philosophy - Literary & Cultural Studies, BA
Chemistry - Pre-Medical Professions, BS	Philosophy - Philosophy Advanced Studies, BA
Communication - Advertising, BS	Philosophy - Studies in Applied Ethics, BA
Communication - Multimedia Journ. & Production, BS	Physics - Astrophysics, BS
Communication - Public Relations, BS	Physics - Civil Engineering, BS
Criminal Justice, BA	Physics - Computing Emphasis, BS
Economics, BA	Physics - Electrical Engineering, BS
English - Theater/Drama, BA	Physics - Materials Science, BS
English, BA	Physics - Mechanical Engineering, BS
Fine Arts - Ceramics, BFA	Physics - Pre-Medical Physics, BS
Fine Arts - Graphic Design & Digital Media, BFA	Physics, BS
Fine Arts - Painting, Drawing, Printmaking, BFA	Political Science - American Politics, BA
Fine Arts - Photography, BFA	Political Science - General Political Science, BA
Fine Arts - Sculpture, BFA	Political Science - Int'l Rel/Comparative Politics, BA
French Studies, BA	Political Science - Pol Sci Fast Track MPA, BA
History, BA	Political Science - Public Admin/Public Policy, BA
Interdisciplinary Studies, BA	Political Science - Public Law, BA
International Studies - Asian Studies, BA	Psychology - Child Psychology, BA
International Studies - European Studies, BA	Psychology - Child Psychology, BS
International Studies - Foreign Language & Culture, BA	Psychology, BA
International Studies - Intl Relations & Politics, BA	Psychology, BS
International Studies - Latin American Studies, BA	Religious Studies, BA
International Studies - Middle East-African Studies, BA	Social Work, BSW
Mathematics - Discrete Analysis, BS	Sociology - Social Welfare, BA
Mathematics, BA	Sociology, BA
Mathematics, BS	Spanish, BA
Music Education, BME	Statistics, BA
Music Jazz Studies, BM	Statistics, BS

## Minors

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African Amer Studies/Diaspora	Interdisciplinary Studies
American Literature Studies	International Studies
Anthropology	Law and Philosophy
Applied Statistics	Literature
Art History	Mass Communication
Asian Studies	Mathematical Science
Biology	Painting, Drawing, Printmaking
British Literature	Philosophy
Ceramics	Photography
Chemistry	Physics
Chinese	Political Science
Classical Civilization	Psychology
Communication Studies	Public Administration
Creative Writing	Religious Studies
Criminal Justice	Social Welfare
Culture and Philosophy	Sociology
Economics	Spanish
Environmental Studies	Statistics
Film Studies	Studies in Applied Ethics
French	Theater/Drama
Gender Studies	Urban & Metropolitan Studies
History	Writing Studies

## Certificates

Certificate Music Program, CB	Post-Bacc Pre-Med Certificate, CB
Medical Lab Sc. Certificate, CB	

## College of Computing, Engineering, and Construction

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### Majors

Building Construction , BS	Computing & Info Sciences - Information Sys/Business Minor, BS
Civil Engineering, BS	Computing & Info Sciences - Information Technology, BS
Computing & Info Sciences - Computer Science, BS	Electrical Engineering, BSEE
Computing & Info Sciences - Information Science, BS	Mechanical Engineering, BS

### Minors

Computer Science	Electrical Engineering
Construction Management	Information Science

## Certificates

Coastal Port Eng. Certificate, CU

## College of Education and Human Services

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### Majors

Art Education - Art Education (K-12), BAE	PreKdg/Primary Education, BAE
ASL/English Interpreting - Community Interpreting, BS	Science Education - Biology (6-12), BAE
ASL/English Interpreting, BS	Science Education - Chemistry (6-12), BAE
Elementary Education - Elementary Education (K-6), BAE	Science Education - Physics (6-12), BAE
English Education - English (6-12), BAE	Social Studies Education - Social Studies (6-12), BAE
Math Education - Math (6-12), BAE	Special Education - Exceptional Student Education, BAE
Middle School Education - Math/Science Option, BAE	Sport Management - Community Sport, BS
Physical Education - Physical Education (K-12), BAE	Sport Management, BS

### Minors

Amer Sign Lang/Deaf Studies	Professional Education
Community Leadership	Sport Management
Early Childhood Education	

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# Graduate Programs

## Brooks College of Health

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### Majors

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Clinical Mental Health Couns, MS	Nursing - CNS Women's & Children's Hlth, MSN
Community Health - Health Promotion/Health Ed, MPH	Nursing - Nurse Anesthetist, DNP
Health Administration, MHA	Nursing - Nurse Anesthetist, MSN
Health Science - Aging Services Management, MSH	Nursing - Nurse Practitioner (Family), DNP
Health Science - Exercise Sc. & Chronic Disease, MSH	Nursing, DNP
Health Science - Orthopaedic Physical Therapy, MSH	Nutrition & Dietetics, MS
Nursing - Adult Gerontology CNS, MSN	Physical Therapy, DPT

### Certificates

Aging Services Certificate, CB	Public Health Certificate, CB
Post-Masters FNP Certificate, CM	

## Coggin College of Business

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### Majors

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Accounting - Taxation Concentration, MACC	General Business - Global Entrepreneurship, MBA
Accounting, MACC	General Business - GlobalIMBA, MBA
General Business - Accounting, MBA	General Business - International Business, MBA
General Business - Construction Management, MBA	General Business - Logistics, MBA
General Business - e-Business, MBA	General Business - Management Applications, MBA
General Business - Economics and Geography, MBA	General Business - Sports Management, MBA
General Business - Finance Concentration, MBA	General Business, MBA

### Certificates

E-Business Certificate, CB	
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## College of Arts and Sciences

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### Majors

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Biology, MA	Music Performance - Jazz Studies, MM
Biology, MS	Music Performance - Piano, MM

Criminal Justice, MSCJ	Music Performance - Strings, MM
English - Composition and Rhetoric, MA	Music Performance - Voice, MM
English, MA	Music Performance - Woodwinds, Brass, & Percussion, MM
General Psychology, MA	Practical Phi & Applied Ethics, MA
History - European History (Non-Thesis), MA	Public Administration - General Administration, MPA
History - European History with Thesis, MA	Public Administration - Health Administration, MPA
History - US History (Non-Thesis), MA	Public Administration - Local Government Policy & Adm, MPA
History - US History with Thesis, MA	Public Administration - National Security, MPA
Mathematical Science - Mathematics, MS	Public Administration - Non-Profit Management, MPA
Mathematical Science - Statistics, MS	Public Administration - Public Policy, MPA
Music Performance - Conducting, MM	

## Certificates

Applied Ethics Certificate, CB	Nonprofit Management Cert, CB
Applied Mathematics, CB	

## Cognates

Public Management Cognate	
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## College of Computing, Engineering, and Construction

### Majors

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Civil Engineering, MSCE	Computing & Info Sciences - Software Engineering, MS
Computing & Info Sciences - Computer Science, MS	Electrical Engineering, MSEE
Computing & Info Sciences - Information Systems, MS	Mechanical Engineering, MSME

## College of Education and Human Services

### Majors

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ASL/English Interpreting - General Practice, MS	Educational Leadership, DEDD
ASL/English Interpreting - Interpreting Pedagogy, MS	Elementary Education - Literacy, MED
Counselor Education - School Counseling, MED	Elementary Education - Professional Education, MED
Curriculum and Instruction - Professional Education, MED	Elementary Education - Tch Eng/Speakers of Other Lang, MED
Educational Leadership - Advanced Teaching & Learning, MED	Special Education - Applied Behavior Analysis, MED
Educational Leadership - Athletic Administration, MED	Special Education - Autism, MED
Educational Leadership - Educational Tech Leadership, MED	Special Education - Disability Services, MED
Educational Leadership - Higher Education Admin., MED	Special Education - Exceptional Student Education, MED
Educational Leadership - School Leadership, MED	

## Certificates

Certificate in TESOL, CB	Sport Management, CB
Early Childhood Education Cert, CB	Transformation of Conflict, CB
Educational Leadership Cert, CM	



The School of Computing offers bachelors and masters degrees that lead to high-demand jobs.

expand your mind

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# Accelerated Bachelor to Masters Programs

Accelerated bachelor to masters degree programs enable students to obtain both a bachelor and master degree within five years. Interested students [apply to the undergraduate program](#) in the traditional manner.

## Accelerated Programs: Transitioning to Graduate Studies

Admission into an accelerated program at the undergraduate level does not guarantee admission into the related graduate program. Students enrolled in an accelerated program must fulfill the admissions requirements for the graduate portion of their program prior to the start of the student's final undergraduate semester.

To be considered for admission to the related graduate portion of an accelerated program, students must submit:

- A Graduate School application for admission to the related [graduate program of study](#)
- Test scores from the appropriate graduate aptitude test (as required by the related graduate program)
- Letters of reference, résumé or other additional supplemental documents (as required by the related graduate program)

For more information regarding the admissions process to a graduate program, please view [Application Requirements](#) at the UNF Graduate School website.

## Financial Aid for Accelerated Bachelor to Masters Programs

The UNF One-Stop Website provides information about [financial aid award guidelines](#) for accelerated degree programs.

## University Honors Students

If you're a University Honors student, your Honors Capstone can be satisfied with your master's thesis. For more information about the Honors Capstone requirement, please see an Honors advisor.

## Accelerated Programs of Study

UNF currently offers an accelerated BS/MS Computer Science program. This program offered through The School of Computing allows students to obtain both Bachelor's and Master's Degrees in Computer Science in as little as 5 years.

Committed students who are academically motivated can take advantage of this program of study. This accelerated program requires a strong background in mathematics and science, including



calculus and calculus-based physics.

Learn more about the Accelerated BS/MS by looking at [The School of Computing program description](#) and also by viewing the [School of Computing brochure](#).

\*This accelerated program is available for the Computer Science program only.



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# College-Level Communication & 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 course work, 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.

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 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
ENC 3324L	(GW) Advanced Composition
ENL 3112	(GW) British Novel I
EUH 1000	(GW) Freshman Core I
EUH 1001	(GW) Freshman Core II
HIS 3051	(GW) The Craft of the Historian
LIT 2100	(GW) Masterworks
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.



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# Honors Program

The [Honors Program](#) at the University of North Florida offers talented students a unique approach to higher education. Averaging only 20 students, Honors seminars 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 Honors Program provides students with a personalized education that is usually only available at small liberal arts colleges but at the price of a state university tuition.

**What does it mean to be a UNF Honors student?** It means learning to think carefully 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 plentiful opportunity 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 [Honors Program website](#).

## Vision

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The Honors Program demonstrates its commitment to academic and cultural growth, civic awareness and student success by fostering a community of intellectually curious global citizens. Through the Honors Program, students are encouraged to develop rigorous and comprehensive critical thinking, their sense of integrity and a commitment to service.

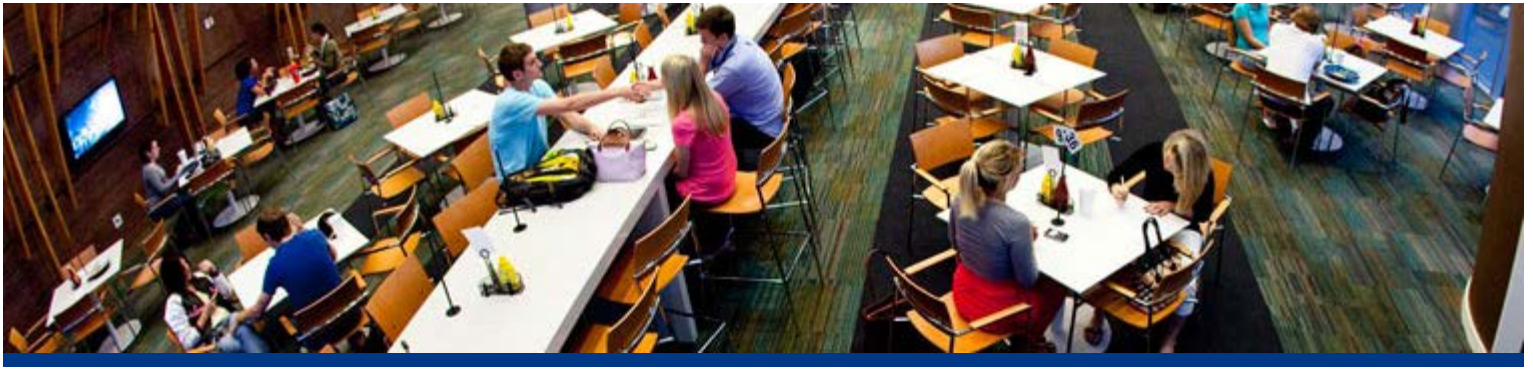
## Mission

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The Honors Program 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 [Honors Program website](#).





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# Admission to the Honors Program

The Honors Program is highly selective, admitting fewer than 10 percent of the entering first year class for participation. The program recruits and admits students whose scholastic performance demonstrates an enthusiastic and curious approach to learning. We look not only for students who have high grade point averages and test scores, but also for students who have sought out the most challenging high school courses, are leaders in their school and community, and give back to the larger community through service. All prospective students must begin by applying to UNF.

Any individual interested in applying to the Honors Program must first be accepted into UNF by the [Office of Admissions](#). Once you have received confirmation that you have been accepted into the university, you can begin.

**\*\* Please note that the most up-to-date admissions information can be found on the Honors Program website. Admissions information is subject to change.\*\***

## Incoming Freshmen

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There are two ways by which you may enter the Honors Program: 1) By **invitation** (for Presidential Scholarship recipients only); or 2) By **application**.

1. **Invitation:** Certain tiers awarded the UNF Presidential Scholarship through the Office of Admissions will be invited to join the Honors Program. No essay or resume is required.

- If you are certain you want to join the Honors Program, simply return your Intent Form to the Honors office and register for Honors Preview Day.
- If you are still deciding whether you want to join the Honors Program, we encourage you to attend Honors Preview Day.

**\*\* Please note: Honors is a limited access program. Intent Forms are due May 1st. However, once we have met our cap, we will no longer be accepting Intent Forms regardless of the deadline. \*\***

2. **Application:** If you have not been invited to join the Honors Program and you would like to apply for admission, please complete an application and submit it with your resume and your essay. Click on the "Apply Now" tab under "Admissions."

We are looking for students who are able to balance high engagement and academic success and so we use multiple factors for admission decisions: GPA, test scores, resume and essay. The average Honors student has a UNF recalculated GPA of 4.09, an SAT of 1243, or an ACT of 27.9. The resume should have your principal activities and honors in high school, including prizes, scholarships, professional or academic offices held, athletic pursuits, extracurricular interests and activities. The essay should be no more than one typed page (11 pt font, 1 inch margins) and should address ONE of the two essay prompts below:

- Honors students typically are intellectually curious, are internally motivated, have broad horizons, are leaders who are interested in helping others, and possess integrity. Please select one of the five terms below and describe why it is personally meaningful to you: intellectual curiosity, internal motivation, broad horizons, service-leadership, integrity.
- Define what success in college means to you.

**Next Steps:**

- After you submit your application, you will receive a decision from the Honors Program within three weeks.
- If you are accepted or wait listed, you must register here for Honors Preview Day. Please contact the Honors office for details.

**\*\* Please note: Honors Preview Day is not a substitution for UNF Orientation. All freshmen must attend an Orientation session. \*\***





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# Graduation through the Honors Program

### To graduate with University Honors, students must:

1. Complete a minimum of 15 credit hours of Honors designated courses;
2. Complete an appropriate [Capstone](#) experience no sooner than 2 years before graduation;  
and
3. Have a 3.4 cumulative GPA the semester prior to graduation.

Throughout their college career, students must maintain a 3.0 cumulative GPA in order to remain in the Honors Program. Students below a 3.0 cumulative GPA will be dropped from the program and may apply for reinstatement upon reaching a 3.4 cumulative GPA. Students between a 3.0 and 3.39 are considered to be in Honors probationary status. For specific questions about the Capstone experience and its requirements, please contact an Honors advisor.

**Graduation note: In order to receive medals for graduation, students must complete an exit interview during the semester in which they plan to graduate. Please contact the Honors office for more information.**



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# Honors Program Fees

## **Experiential Learning Fee**

Pursuant to §1009.24 (14) (m) & (l), Florida Statutes, the University charges Honors students a \$200 fee to offset specific, identifiable increased costs to the University for off-campus course offerings as well as materials and supplies consumed in the course of Honors students' instructional activities. This is a one-time fee charged to all entering Honors students. The fee supports special activities and opportunities for Honors students, including orientation, student events, recognition ceremonies, and class trips. The fee is non-refundable and will be added to the student's account for the first fall semester in which the student attends UNF.

## **Honors Housing Fee**

Honors freshmen students arrive on campus two and a half days before the rest of the freshmen class to participate in the Honors Freshmen Retreat. Students living in the UNF Residence halls are assessed a daily fee for the first two nights (currently \$25/night). The freshmen are met with a full 3-day program of activities that both builds the Honors community and introduces the students to some of the resources at the University that will help them succeed. Students also participate in activities designed to build the Honors community. There are academic activities, like the Something You Know A Lot About presentations, team-building activities at UNF's Eco-Adventures facility, and social activities. We believe that the Honors Freshman Retreat is one of the most important and successful programs that helps our students succeed in college. Aside from the Housing fee, all of the activities (and even most meals until the meal plan begins) at the Honors Freshman Retreat are covered by their one-time Experiential Learning Fee described above.



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# Army Reserve Officers Training Corps (AROTC): Army Science Program

University of North Florida Army Reserve Officer Training Corps (UNF Army ROTC) is a challenging program for student's wishing to receive a commission as an officer in the United States Army. Graduating students (called "cadets") who complete the UNF ROTC curriculum will receive a commission as a Second Lieutenant (2LT) in the United States Army, and will have the option of serving on active duty or in the United States Army Reserve or Army National Guard. UNF ROTC is a four-year program comprised of academic classes, leadership laboratory courses, and physical training. Traditional cadets typically enroll in UNF ROTC as freshmen, but there are many options for sophomores and even incoming juniors to apply and complete the program.

UNF Army ROTC courses fit into most UNF academic programs as electives and a military science minor is offered at UNF and can be awarded upon successful completion of the UNF ROTC program. 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 and military skills such as 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 at a national training course in events such as land navigation, tactics and physical fitness. 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. 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 (LDAC), 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. Cadet social activities include an annual Military Ball along with gatherings at local restaurants, and 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 (LTC), qualifying you to enter the junior year of Army ROTC or elect to complete United States Army Basic Training (BCT) to meet the prerequisite.

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're 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.

### **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) 620-3999.





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# 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.



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# Army ROTC Course Curriculum

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### 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

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### 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

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### 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

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### Summer Course (Leadership Development and Assessment — Seattle, Washington; 4 weeks)

Advanced Leader Training	4 hours
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### Senior Year

Adaptive Leadership	3 hours
Leadership and Management Laboratory	0 hours
Leadership in a Complex World	3 hours





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# 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 two phases (or "courses") of NROTC, a "basic course" taken during the freshman and sophomore years, and an "advanced course" taken in the junior and senior years.

There are five programs — three NROTC Scholarship Programs and two NROTC College Programs.

## NROTC Scholarship Program

These students enter into a contract with the Secretary of the Navy in which they agree to take certain Naval Science courses and drills, attend university-taught courses, and complete three summer training periods. The Navy provides tuition, fees, textbooks, uniforms, and a \$200 per month subsistence allowance for a maximum of 40 months. Scholarship students are selected through national competition.

## NROTC Two-Year Scholarship Program

The Two-Year Scholarship Program provides tuition, books, uniforms, and a \$200 per month subsistence allowance for the junior and senior years of college. To be selected, students must be in advanced college standing and qualify for enrollment in the NROTC program's advanced courses at colleges or universities where NROTC is offered. The Chief of Naval Education and Training requires successful completion of summer training immediately before beginning the two-year program. The summer course of instruction, referred to as the Naval Science Institute (NSI), provides the Naval Science courses and drill training equivalent of NROTC basic course. Two-Year Scholarship students are selected through national competition and through a system of direct appointments.

Upon graduation scholarship midshipmen are commissioned as Ensigns in the U.S. Naval Reserve or as Second Lieutenants in the U.S. Marine Corps, and serve on active duty for a minimum of four years.

## **NROTC Four-Year Scholarship Nurse Option Program**

This program provides tuition, books, uniforms, and a \$200 per month subsistence allowance for those pursuing a nursing degree. Graduates from the NROTC Nurse Option Program are commissioned in the restricted line, Nurse Corps, and serve on active duty for a minimum of four years.

The nursing program is highly structured and allows few opportunities for electives or tailoring schedules. The NROTC has a liberal policy for waiving courses that are designed for commissioned officers entering fields other than nursing. These courses include Calculus, Physics, American Military History, National Security Policy, Naval Ship Systems I and II, Navigation and Naval Operations I and II, and Computer Science. The senior summer training period is normally served at a Navy Hospital. All other NROTC requirements apply to nurse corps midshipmen.

## **NROTC Four-Year College Program**

Interested students can apply for admission into the NROTC through the Four-Year College Program before the commencement of their sophomore year and incur no obligation until selected for advanced standing. Admitted students agree to take certain Naval Science courses, university-taught courses, and participate in drill periods. College Program students who are selected for advanced standing, which is only available starting the junior year of college, will enlist in the Naval Reserve. In return, the Navy provides uniforms, Naval Science textbooks, and pays students \$200 a month subsistence allowance during the junior and senior years for a maximum of 20 months.

## **NROTC Two-Year College Program**

Students selected must be in advanced standing and qualify for enrollment in the NROTC College Program's advanced courses at colleges or universities where NROTC is offered. The Chief of Naval Education and Training requires successful completion of summer training immediately before beginning the two-year program. The summer course of instruction, referred to as the Naval Science Institute (NSI), provides Naval Science courses and drill training equivalent to the NROTC basic course. Those enrolled in the Two-Year College Program will have the same privileges and obligations as advanced standing students in the Four-Year College Program.

Upon graduation college program students are commissioned as reserve officers in the U.S. Navy or U.S. Marine Corps and serve on active duty for three years.

College program students are eligible to compete for NROTC scholarships based on academic grades and military aptitude. Qualified individuals are nominated yearly by the Professor of Naval Science, and if selected, receive all the benefits of the scholarship program.

Students who do not qualify for enrollment in either the scholarship or college program may enroll in Naval Science courses for academic credit only. They will not be eligible for appointment as a commissioned officer.

### **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**

Scholarship students go on summer training for about 30 days during each of their three college summers. The first summer training includes exposure to aviation, submarine, surface, and amphibious specialties both ashore and afloat. The second summer is at-sea training aboard operational U.S. Navy ships. During the third summer candidates train aboard operational ships, nurse midshipmen train at a Navy hospital, and Marine Corps candidates train at U.S. Marine Corps Base, Quantico, Virginia. The Navy provides transportation to and from sites, subsistence and living quarters, and training pay during the summer training periods.

College program 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 half hours each Thursday morning.

NROTC Jacksonville  
2800 University Blvd North  
Jacksonville, FL 32211-3394  
904-256-7480 (phone)  
904-256-7499 (fax)



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# 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 naval service. This course places emphasis on the mission, organization and warfare components of the Navy. Included is an overview of officer and enlisted rank and rating structures, career progression, naval traditions, customs and courtesies, discipline and naval leadership.

### **NS 102. Seapower & Maritime Affairs (2; S)**

A study of the historical role of seapower from 2500 B.C.E. to the 21st-century and its impact as an instrument of national policy. Emphasis is placed on the role of the United States Navy in the 19th and 20th centuries. The student is made cognizant of the challenges facing today's Naval officers.

### **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)**

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. Amphibious 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.





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# Naval ROTC FAQs

## Top 10 Frequently Asked Questions:

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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:

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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, books, and lab related fees. 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 will 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 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 physics, one year of English, a semester of Computer Science, and a semester of International Relations. They are also required to take one Naval Science class per semester. College Program Midshipman that will commission with Advance Standing are required to take a semester of College Algebra, Physical Science, Computer Science, and one year of English. They are also required to take one Naval Science class every semester.

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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 two summers of training are identical to Navy Option Midshipmen; they are required to attend CORTRAMID and a second class cruise that provides an enlisted experience. Between the Marine Options' junior and senior year, he or she is required to attend Officer Candidate School (OCS) or BULLDOG. 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 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 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 twice a year. 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: Yes. Women are not currently allowed to serve with the Navy SEALs. However Surface Warfare, Submarines and Aviation are all 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 CNET 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, 4 years of active duty and 4 years inactive reserve. This is in an unrestricted line billet (surface, submarine, aviation, or special warfare). 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: College Program commissionees 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 jet Pilots upon receiving wings (7 years for helos or props).

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**Q: What does the summer training consist of for scholarship students?**

A: The initial training is prior to freshman year, orientation. This training provides the basics to get the freshmen ready to join the Battalion. The first fleet summer training scholarship students attend is called CORTRAMID. 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 class cruise (summer training) is between their sophomore and junior years. The second class cruise is designed to give the midshipman exposure to the enlisted community. The Midshipmen will be assigned a highly motivated career Petty Officer running mate who will work with the midshipman on board ship performing enlisted duties. 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.

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**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 2.0 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).

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**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 CNET. Write CNET 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 CNET 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 CNET, 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 CNET 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 CNET 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.nrotc.navy.mil>). 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 (push-ups, sit-ups and a 1.5 mile run, each for a grade). 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.

To view the University's official regulation, [click here](#).

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.



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# Tuition and Student Fees

Tuition and fees at each public institution in Florida are set by the Florida Legislature with limited flexibility given to 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 [Florida Virtual Campus - FLVC.org](#).

To view tuition and fee rates, please see the [Tuition & Student Fee Schedule](#).



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# Estimated Expenses Per Academic Year

UNF provides an online [net price calculator](#) enabling students to estimate out-of-pocket expenses associated with enrolling at the University. The actual costs incurred depend upon the individual student. Students who are in need of financial counseling should request this assistance through One-Stop Student Services.



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# Florida Prepaid

There are two main types of tuition prepaid contracts—tuition or tuition and local fees. Tuition accounts cover the tuition, financial aid & capital improvement fees at the undergraduate rate (see the [current tuition and fee schedule](#)). Students with tuition only accounts 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 accounts 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, orientation or ID card fee).

The Student Financial Service's 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 "Estimated Financial Aid" on "View & Pay My Bill." Students who do not want the University to bill Florida Prepaid for a particular semester, must complete an opt-out form by the end of the first week of the semester. The form is only available [online](#) via the Student Self Service Online Forms within MyWings. The opt-out form is valid for one semester only, and must be completed every semester the student wishes to opt out. Students who have Florida Prepaid for residence hall charges must submit a copy of their Prepaid card to housing by the housing due date. The payment is not posted to the students' accounts until the payment is received by Florida Prepaid.



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# Waiver of Tuition

## **Florida Residents over 60 Years of Age**

Waivers are available to Florida citizens over the age of 60. Citizens using these waivers are restricted to registering in certain courses on a space-available basis and must register using the Audit grade mode (seating privilege). Registration may be done in person or via [myWings](#) on the date(s) listed on the website, normally the last business day prior to the start of the semester but this day may vary due to holidays. No waivers will be processed after this date. Waivers do not apply to late registration, re-registration fees, or miscellaneous fees.

## **Children of law enforcement officers and firefighters who are unlawfully and intentionally killed while performing their duties**

Florida statutes provide that the state shall pay certain educational expenses for the children of law enforcement officers and firefighters who are unlawfully and intentionally killed while performing their duties. Additionally, any dependent child of a Special Risk member of the Florida Retirement System may receive a full waiver of undergraduate fees at a state university if the Special Risk member was killed in the line of duty. Check for all registration and deadline information at One-Stop Student Services, (904) 620-5555.

To view the University's current official policy, [click here](#).





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# Reinstatement of Registration

Students whose registrations are canceled due to failure to pay or pend fees may submit their request for reinstatement online via the myWings web portal prior to 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.



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# 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
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 Student Health Services at 620-2175 or the Counseling Center (Mental Health) at 620-2603 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 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 decision after committee review. Students have six months from the end of the semester in question to file a fee petition. Petitioning for a refund is not a 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 are NOT petitionable.

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 UNF will result in a financial hold being placed on the student's records and the assessment of a \$100 late payment fee. A financial hold prohibits 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 Service's Office. Continued failure to pay may result in the account being sent to a collection agency with additional collection fees up to 33.3 percent being assessed to the student's account.





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# 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, and offers prepaid convenient accounts for making purchases on and off campus.

Your [Osprey 1Card](#) 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 and keeping it in the card sleeve provided.

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



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# Parking & Permit Fees

### UNF Parking Services Information

All vehicles parking on campus must display a valid UNF parking permit. Students who do not buy an annual or term permit should park in Lot 18 or Lot 53 and purchase a Day Permit from the permit dispensers for \$1.86 plus sales tax = \$2.00 total per day. 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 2014 – August 2015:

Blue Lot Annual (formerly Premium)	\$149.53 + sales tax = \$160.00 total
Blue Lot Term (formerly Premium)	\$88.78 + sales tax = \$95.00 total
Night Blue Lot (after 5pm) Annual [formerly Premium]	\$88.78 + sales tax = \$95.00 total
Night Blue Lot (after 5 pm) Term [formerly Premium]	\$51.40 + sales tax = \$55.00 total
Housing Annual	\$191.58 + sales tax = \$204.99 total
Housing Term	\$116.82 + sales tax = \$125.00 total
Gray Lot Annual (formerly Lot 14/18/53)	\$88.78 + sales tax = \$95.00 total
Gray Lot Term (formerly Lot 14/18/53)	\$51.40 + sales tax = \$55.00 total
Motorcycle Annual	\$60.74 + sales tax = \$65.00 total

All permits must be purchased online and will be mailed to the address provided during the purchase process. The permits are decals which must be displayed unaltered and permanently affixed using the permit's adhesive properties to the exterior of the vehicle, either on the left side rear window or the left side rear bumper. Please check the web site at the link noted above 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 and 53 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. Shuttle bus service is also provided 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.

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 busses 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 9:30 p.m. Monday – Friday. Service can be scheduled by calling (904) 620-5718.



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# 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 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 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](#).

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 [Florida Virtual Campus -FLVC.org](#). For information regarding the procedures by which the documents are processed at the University of North Florida, please visit our [website](#).

To view other admissions information, please visit the [All Students](#) section of the catalog.

To view the University's current official policy, [click here](#).



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# 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 with supporting documentation should be submitted to One-Stop Student Services within the deadline period 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 appeal, in writing, through the Enrollment Services Appeals Committee. Students must provide copies of all documentation with their appeals. Students will be notified by email of the final reclassification decision.

For the most current, comprehensive guideline to residency documentation requirements and regulations, visit the "Residency Guidelines" section at [Florida Virtual College - FLVC.org](#). For information regarding the procedures by which the documents are processed at the University of North Florida, please visit our [website](#).





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# Student Financial Aid

## Application Procedures

The financial aid program 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. Educational opportunities should not be limited by the financial resources of the students and their families, although the University expects students and/or their families to make a maximum effort to help with University expenses.

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), found at [www.fafsa.ed.gov](http://www.fafsa.ed.gov), no later than the February 14 priority date in order to be considered for institutional aid from the Office of Student Financial Aid. Inquiries concerning financial aid should be directed to One-Stop Student Services. Please be advised that:

1. If selected for verification, students will be required to provide copies of relevant signed federal income tax transcripts (1040, 1040A, 1040EZ, and W2/1099 Forms). Dependent students must also provide parent tax information. Independent, married students must provide spouse tax information. Other information may also be requested to meet federal verification regulation requirements.
2. To be awarded financial aid, a student must be accepted into a degree-seeking major and be enrolled in a sufficient number of credit hours. Courses taken in an audit status are not eligible for financial aid, nor can they be considered when determining sufficient enrollment for financial aid.
3. For financial aid purposes, full-time enrollment is defined as a minimum of 12 credit hours per semester for undergraduate and post baccalaureate students and a minimum of nine credit hours per semester for graduate students. Students who enroll less than full time may have their awards reduced or, in some cases, cancelled.

## Return of Title IV Aid

Withdrawing from classes will affect the percentage of hours earned. Students who withdraw from classes and have received Title IV Aid, to meet educational expenses for an entire semester, will be required to repay the amount of unearned aid. The unearned amount of federal program funds is calculated based on the percentage of the semester completed prior to the date of withdrawal. The repayment amount is determined by the Federal Formula for Return of Title IV funds (Section 484B of the Higher Education Act). Students who did not attend any classes will be required to return all funds disbursed. Title IV unearned aid must be returned to the applicable federal programs in the following order:

- o Federal Direct Unsubsidized Stafford Loans
- o Federal Direct Subsidized Stafford Loans

- Federal Direct Graduate PLUS Loans
- Federal Direct PLUS Loans (for parents)
- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grants
- Federal TEACH Grant

## Tuition Deferment

If a student accepts a financial aid award, the University will automatically defer the payment of tuition for approximately five weeks after the semester begins. The deferment of tuition and fees against anticipated financial aid will expire several weeks into the semester. If a student's anticipated aid has not disbursed by the time the deferment expires, the student may have a late payment fee assessed. In these situations, the financial aid is not necessarily lost or cancelled; 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. Some types of aid are excluded from tuition deferment, including both the Federal Work-Study Program and Florida Prepaid Program.

**A student who cannot automatically defer the tuition must make payment online via myWings or in person at the Cashier's Office by the payment deadline posted on the Academic Calendar.**

## Financial Aid and Scholarship Disbursement

The first disbursement of financial aid refund checks occurs after the third week of classes. Financial aid refunds are issued to eligible students on a weekly basis throughout the term. Under the Federal Direct Stafford Loan Program, first time borrowers at UNF must complete a loan entrance counseling and sign a Master Promissory Note at [studentloans.gov](http://studentloans.gov) before funds are released. Please note that all tuition/fees, housing charges, and other 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 residual funds will be electronically deposited into the student's bank account.

**NOTE: All financial aid recipients should be prepared to meet their living expenses during the first four weeks of class.**

For more information, please contact One-Stop Student Services.

## Financial Aid Bookstore Authorizations

Students whose financial aid exceeds their cost of their tuition and 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 in the Follett Bookstore on the UNF campus. The amount of the bookstore authorization is limited to the anticipated financial aid refund and may not exceed \$600 per semester. Eligible students will receive notification of their bookstore authorization along with its value via their UNF email account.

A bookstore authorization is part of a student's total financial aid package- it is not additional funding- and the value represents the anticipated refund at the time the authorization was issued. Changed to enrollment, especially changes that increase a student's fee assessment, may result in changes to the actual value of the bookstore authorization. Student will be notified via their UNF email account of increases and decreases to their bookstore authorization.

Bookstore authorizations may only be used during a specific period of time each semester, generally through the Add/Drop period.

## Satisfactory Academic Progress

Students are required, by federal regulations, to demonstrate satisfactory academic progress toward the completion of a degree within a specified time frame. Students receiving any assistance under the Title IV Program must comply with these conditions to remain eligible. Academic progress will be evaluated at the end of each semester to determine eligibility. This evaluation is designed to measure the student's ability to: maintain a satisfactory grade point average, successfully complete a required ratio of attempted credit hours, and receive a degree in a timely manner. To view the University's official Satisfactory Academic Progress policy, [click here](#).







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# Types of Undergraduate Financial Aid

**Federal Pell Grant:** The Federal Pell Grant is a need-based federal aid program designed to provide financial aid 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 determined on the basis of student and the family resources.

**Federal Supplemental Educational Opportunity Grant Program (FSEOG):** Federal SEOG grants are designed to assist undergraduate students who demonstrate an exceptional financial need and qualify for a Federal Pell Grant. Award amounts are based on the amount of need and availability of funds.

**Florida Student Assistance Grant (FSAG):** The Florida Student Assistance Grant Program was established to provide awards to qualified undergraduate students who are Florida residents attending accredited colleges, universities, and community/junior colleges in Florida and demonstrate a need by qualifying for a Federal Pell Grant. Students must also demonstrate exceptional financial need and be enrolled full-time (12 credit hours or more) at UNF. Limited funding is available to eligible applicants enrolled in 6 to 11 credit hours. Students may apply by submitting an error-free Free Application for Federal Student Aid (FAFSA) by our priority deadline of February 14.

**UNF Institutional Grants:** The University of North Florida offers a variety of grants for undergraduate students who demonstrate financial need. Awards range from \$300 to \$2200 per academic semester.

**William D. Ford Direct Loan Program:** Federal Direct Loans are 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. Direct Subsidized loans are need-based loans. Direct Unsubsidized loans are non- need-based loans.

**Federal Direct Subsidized Stafford Loan Program:** Non-credit based, Direct Subsidized loans are for students who demonstrate financial need, as determined by their cost of attendance minus expected family contribution and other financial aid (such as grants and scholarships). Subsidized loans do not accrue interest while students are enrolled in school or during authorized periods of deferment. Loan repayment will begin at the end of the six-month grace period after the student ceases to be enrolled at least half-time.

As of July 1, 2013 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. For more information please visit [studentloans.gov](http://studentloans.gov).

**Federal Direct Unsubsidized Stafford Loan:** Non-credit based, Direct Unsubsidized loans are for students who do not demonstrate need, or who have exhausted their need-based aid before reaching the estimated cost of attendance. Students 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 ceases to be enrolled at least half-time.

**Federal Direct Parent PLUS Loan Program:** The Direct Parent PLUS loan is a loan for the parents of dependent students. PLUS loans are credit-based; therefore, the borrower cannot have an adverse credit history and must complete a credit review. PLUS loans help pay for education expenses up to the cost of attendance minus all other financial aid. Interest is charged once the loan is disbursed.

#### **Federal Work-Study:**

The Federal Work-Study Program is a federal program supported with matching funds from UNF. This program provides part-time 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 ([www.fafsa.ed.gov](http://www.fafsa.ed.gov)) and be enrolled in at least six credit hours. Students are not eligible for Federal Work-Study during summer terms.

#### **Out-of-State Tuition Waivers**

Out-of-State tuition may be waived for certain full- and part-time enrolled non-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 a limited number of students who reside outside of Florida. Non-resident students should contact the individual college to apply. Awards are made based on the availability of funds.

#### **Appeals Procedure**

If a student believes that some aspect of his/her financial situation, which would affect the evaluation of financial need, was over-looked 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 available funds.

#### **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. 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. This process can be completed online. Visit the Department of Education's website at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) for detailed information on completing the FAFSA.

**Institutional Scholarships:** All students who apply and are admitted to UNF are automatically considered for freshman scholarships based on their admissions application information. Scholarships are awarded based on a variety of factors, including high school grade point average, school course selection, and SAT or ACT test scores. 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 the University from private donors. These awards have specific eligibility requirements and stipulations regarding the awarding and monitoring 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 during their last year in high school. To learn more about the Florida Bright Futures Scholarship Program, visit their [website](#). For other information concerning state-sponsored scholarships, visit the [state website](#).





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# Undergraduate 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/or extracurricular activities. 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. This process can be completed online. Visit the Department of Education's website at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) for detailed information on completing the FAFSA.

Undergraduate scholarships may be categorized into three distinct areas: Institutional, Foundation, and State Scholarships.

- **Institutional Scholarships:** All students who apply and are admitted to UNF are automatically considered for freshman scholarships based on their admissions application information. Scholarships are awarded based on a variety of factors, including high school grade point average, school course selection, and SAT or ACT test scores. 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 the University from private donors. These awards have specific eligibility requirements and stipulations regarding the awarding and monitoring 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 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 during their last year in high school. To learn more about the Florida Bright Futures Scholarship Program, visit their [website](#). For other information concerning state-sponsored scholarships, visit the [state website](#).

The following sites contain valuable information about scholarships available to UNF undergraduate students.

## UNF Scholarships

- [Freshmen](#)
- [Transfer Students](#)
- [International Students](#)
- [First Generation Students](#)
- [Student Government](#)
- [Undergraduate Students by College](#)

## Other Resources

- [Florida Student Scholarship and Grant Programs](#)
- [Scholarships FAQ](#)
- [Scholarships and Other Student Aid Resources](#)
- [Study Abroad Scholarships](#)
- [Honors & Scholars Scholarships and Grants](#)
- [Scholarship Appeal Form](#)





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# Types of Graduate Financial Aid

**Federal Direct Unsubsidized Stafford Loans:** Non-credit based, Direct Unsubsidized loans are for students who do not demonstrate need, or who have exhausted their need-based aid before reaching the estimated cost of attendance. Students 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 ceases to be enrolled at least half-time.

**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 ([www.fafsa.ed.gov](http://www.fafsa.ed.gov)) and be enrolled in at least six credit hours.

**Federal Direct Graduate PLUS Loans:** The Direct Graduate PLUS Loan is a low-interest loan available to assist students admitted and 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. An eligible graduate student may borrow up to the cost of education minus other aid. Students 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 ceases to be enrolled at least half-time.

**Graduate Assistantships:** A limited number of graduate assistantships and fellowships are available to qualified students. Continuation of the award is based on the student's satisfactory performance in both academic and assigned duties. 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 semester hours for fall and for spring or six semester hours for summer to be employed and classified as a graduate assistant.

**TEACH Grant:** Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program that provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. **Students who receive a TEACH Grant but do not complete the required teaching service, as explained above, are required to repay the grants as a Federal Direct Unsubsidized Stafford Loan, with interest charged from the date of each TEACH Grant disbursement.** For additional information, please visit the [TEACH website](#). To receive a TEACH Grant, students must meet the following criteria:

- Complete and submit an error-free Free Application for Federal Student Aid (FAFSA) at [www.fafsa.ed.gov](http://www.fafsa.ed.gov), although students do not have to demonstrate financial need.
- Be a U.S. citizen or eligible non-citizen.



- Be enrolled as an undergraduate, post-baccalaureate, or graduate student in a post-secondary educational institution that has chosen to participate in the TEACH Grant Program.
- Be enrolled in coursework that is necessary to begin a career in teaching or plan to complete such coursework. Such coursework may include subject area courses (e.g., math courses for a student who intends to be a math teacher).
- Meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25).
- Sign a TEACH Grant Agreement to Serve.
- Complete TEACH Entrance Counseling

### **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. A student must be a fully-admitted graduate student to qualify under this program. 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-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 a limited number of students who reside outside of Florida. Non-resident students should contact the individual college to apply. Awards are made based on the availability of funds.

### **Appeals Procedure**

If a student believes that some aspect of his/her financial situation, which would affect the evaluation of financial need, was over-looked 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 available funds.



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# Graduate Scholarship Programs

Graduate students interested in scholarship information may obtain additional information from the Graduate School. Please visit [Graduate Scholarship information](#) for details.

## **The Graduate Scholarship**

The Graduate Scholarship is awarded to newly admitted students who exhibit commendable academic merit and the highest financial need. More specific information about this scholarship can be found online at [Graduate School Scholarships information](#).

## **Delores A. Auzenne Fellowship for Graduate Study**

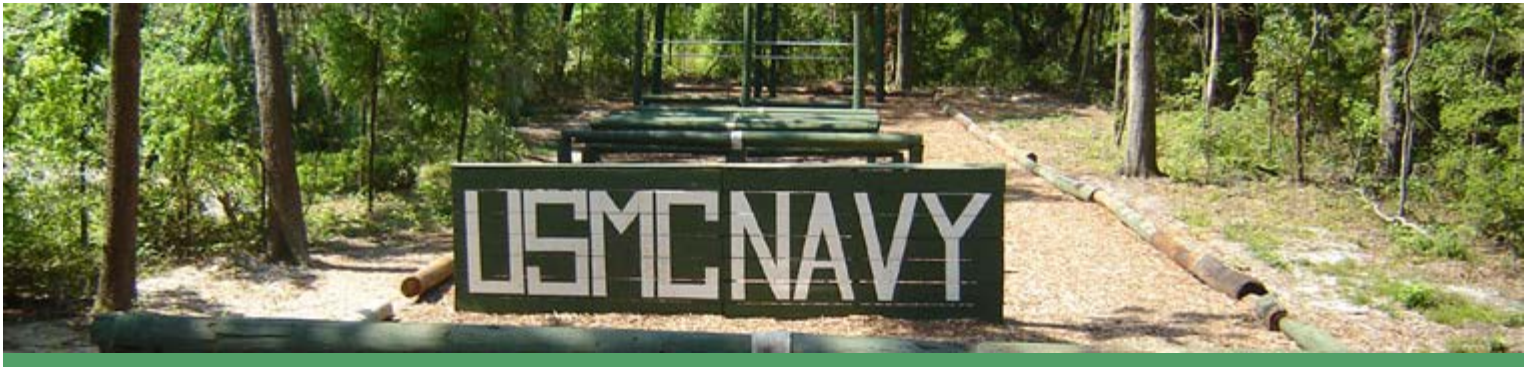
The Auzenne Fellowship is designed to assist Florida's State Universities in increasing the enrollment of students who are enrolled in graduate study in disciplines in which there is under-representation. See [Graduate School Scholarships](#) for additional information about this fellowship for graduate study.

## **Graduate Research Grant Program**

The Graduate School offers a limited number of grants each semester to graduate students pursuing experiences that are potentially transformative, both for advancing their scholarship and creativity and for expanding their future career opportunities. See [Graduate School Scholarships](#) for additional information about graduate research grant programs.

## **Fellowships, Grants, and Scholarships**

The University of North Florida has other fellowships, grants, and scholarships available for graduate students. Graduate students should contact their Graduate Program Director for additional information.



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# VA Programs, Eligibility & Benefits

One-Stop Student Services 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 One-Stop Student Services at (904) 620-5555. All degree programs at UNF are approved for VA purposes by the State Approving Agency for veterans training. Any questions concerning this process should be referred to One-Stop Student Services. 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 <http://vabenefits.vba.va.gov/vonapp/main.asp>. Students without the capability to apply online can call 1-888-GI-BILL-1 to have a form mailed or visit One-Stop Student Services to obtain a paper application.

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

Initial certification can be made for one semester during which time the student may be waiting for transcripts or test scores (e.g., GMAT, GRE or SAT). However, undergraduates may not be certified for a second term until fully admitted into a degree program. For information about career advisement and placement services, see the [Career Services website](#).

Students who plan to attend UNF under any of the veterans training programs must contact One-Stop Student Services to establish initial certification. In subsequent semesters, One-Stop Student Services will automatically certify enrollment for courses appearing on the Veterans Education recipient's UNF Degree Evaluation. Students must see One-Stop Student Services 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 December 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 January 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 October 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 September 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.

**Chapter 1607 - Reserve Educational Assistance Program:** Reservists who served on active duty for at least 90 consecutive days for a contingency operation after September 1, 2001. Benefit level will be based on time served on active duty. 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 and benefit level.



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# VA Certification of Enrollment

Veterans Affairs certifies school attendance to the appropriate Veterans Administration office.

## **Undergraduate/Graduate Training Time Definitions - For a Standard Term**

	Undergraduate	Graduate
<b>Full Time</b>	<b>12 or more hours</b>	<b>9 or more hours</b>
Three-Quarter Time	9-11	7-8
<b>Half Time</b>	<b>6-8</b>	<b>4 -6</b>
Less than Half Time/More than One-Quarter Time	4-5	
<b>One-Quarter Time</b>	<b>1-3</b>	<b>1-3</b>

To expedite processing of enrollment certification, students should request certification of their credit hours for VA education benefits [online](#). 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 One-Stop Student Services for specific information about requirements for benefits. Contact One-Stop Student Services at (904) 620-5555, Hicks Hall.

### **VA Work-Study**

Veterans receiving VA educational benefits, who are enrolled at three-quarter training time or more, are eligible for VA Work Study programs. If you are interested in these programs, contact One-Stop Student Services at (904) 620-5555.

### **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.





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# Student Employment at UNF

Federal Work-Study (FWS) is a limited funds, **need-based** federally funded part-time employment program, which allows eligible students to earn money to help pay for education expenses. Students must complete the Free Application for Federal Student Aid (FAFSA) each year to be considered for federal financial aid, including FWS.

Federal Work Study awarding starts approximately one month prior to the beginning of the Fall semester. If you do not see FWS award listed after this time, then you have not been offered FWS as a part of your financial aid award. Reasons for this could include a) not meeting eligibility requirements b) not requesting work-study on your FAFSA and/or c) lack of available funds at the time you were awarded.

If you have been offered FWS, you must Accept or Decline the award. The FWS amount listed is the maximum amount of FWS you may earn for both Fall and Spring semesters. You must accept both semesters or decline both semesters. **If you have not accepted your award within the first two weeks of the term, your FWS award will be cancelled for both semesters.** If you have not been placed in a FWS job within the first four weeks of the term, your FWS award will be cancelled. If you have difficulty in finding a job, please contact One-Stop Student Services.

## Obtaining a Work Study Job

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Once you have accepted your FWS award, you may search available job postings at [www.unfjobs.org](http://www.unfjobs.org), with position type "Student Employment" and Job Title "Work Study" or "Work Study Student Employee." Departments will arrange interviews and, if hired, the employer will submit an authorization form to One-Stop Student Services. The employer will be notified when the hiring process is complete and work can begin.

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 the posted FWS award for the semester. As noted above, the amount awarded is for Fall **and** Spring semesters. You will only be permitted to earn up to half of your FWS award each semester.

**Please note:** FWS **cannot** be used to pend tuition, fees, or other charges due. FWS funds are not available to pay a student's tuition, fees, housing, or meal plan charges directly. Work Study students are paid according to the UNF bi-weekly payroll schedule based on the hours earned during the pay period.

## FICA Exemption

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Student employees\* who are enrolled at least half-time during a semester are qualified for the FICA exemption. Student employees who qualify for this exemption will not have Social Security or Medicare taxes deducted from their pay checks. Federal Income Tax withholdings will still be deducted from a student employee's pay check. A student employee's FICA exemption eligibility must be re-evaluated each semester, so a copy of the student employee's class schedule must be



attached to the PAF. The FICA exemption will be maintained through the end of any academic breaks no longer than five weeks long.

The definition of half-time enrollment for FICA a exemption is below:

	<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer Semester**</b>
<b>Undergraduates</b>	At least six credit hours	At least six credit hours	At least four credit hours
<b>Graduates</b>	At least four credit hours	At least four credit hours	At least three credit hours

\* Budgeted employees who are enrolled in classes at UNF are not eligible for the FICA exemption.

\*\* The summer semester is split into three separate sessions: summer A, summer B and summer C.

To be exempt from FICA taxes for the entire summer semester, a student employee must be enrolled in at least four credit hours in summer C, or at least four credit hours in summer A **and** four credit hours in summer B.



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- [Release of Student Information \(FERPA\)](#)
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- [Sexual Misconduct](#)
- [Student Attendance Policy](#)
- [Student Classification](#)
- [Transfer Student Bill of Rights](#)
- [University Classification](#)

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  - [AICE Exams](#)
- [Dual Enrollment](#)
- [Duplicative Credit](#)
- [Graduate Program Course Level](#)
- [Graduate Transfer Credit](#)
- [Military Coursework](#)

## UNF QUICKLINKS

- [One-Stop Student Services](#)
- [President's Office Policies and Regulations](#)
- [Privacy of Student Records](#)
- [Student Handbook](#)

#### Petitions

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- [Summer School Requirement](#)
- [Transient Enrollment](#)
- [Withdrawals](#)
- [Military Withdrawal](#)

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- [Grades](#)
- [Grade and Term Forgiveness](#)
- [Graduate Academic Load](#)
- [Graduate Academic Progress](#)
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**Note:** Please refer to other college sections for college-specific policies



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# Office of Academic Testing

The Office of Academic Testing assists University of North Florida students and the local community by providing entrance, institutional, statewide, and national testing opportunities while adhering to State of Florida regulations and National College Testing Association standards and guidelines.

The following examinations are administered by the Office of Academic Testing:

- Accuplacer College Placement Test (CPT)
- Certified Health Education Specialist (CHES)
- College-Level Examination Program (CLEP)
- Florida Teacher Certification Examinations (FTCE)
- Graduate Record Exam (GRE)
- Georgia Assessments for the Certification of Educators (GACE)
- Law School Admission Test (LSAT)
- Master Certified Health Education Specialist (MCHES)
- Multistate Professional Responsibility Examination (MPRE)
- Postsecondary Education Readiness Test (PERT)
- Praxis Series
- SAT
- Test of Essential Academic Skills (TEAS)
- Test of English as a Foreign Language (TOEFL)

Individualized testing (proctored testing) is available for independent study and certification examinations. Information about other tests, including the Florida Educational Leadership Examination (FELE), is also available.

For further information please visit the [Office of Academic Testing website](#) or stop by our office in Founders Hall (Bldg 2), Room 2200.



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# Division of Continuing Education at UNF

The Division of Continuing Education at the University of North Florida offers non-credit course and certification programs. For-credit courses, and certain professional certification and re-certification courses are offered through the University's Brooks College of Health, Coggin College of Business, College of Arts and Sciences, College of Computing, Engineering and Construction, and College of Education and Human Services.

Visit the [Division of Continuing Education](#) at UNF website for details on their offerings including test preparation courses.





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# Division of Student Affairs

**Mauricio Gonzalez**, Ph.D., Vice President for Student and International Affairs

The Mission of the Division of Student Affairs is create a supportive, educational, social, and recreational environment outside the classroom through co-curricular programs and services that lead to student retention.

The [Division of Student Affairs](#) encompasses 25 Departments and Units providing a generous array of programs, services, and credit and non-credit learning opportunities that complement students' classroom experiences and prepares them for life after college as engaged citizens. The Division 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.

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 Division's departments. For example, Communications, English, and Art and Design majors can hone their skills on the staff of UNF's student media outlets, Spinnakers 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. Explore the [Students Affairs](#) website for more ideas.

Opportunities specifically for graduate students are also offered by a Student Affairs Departments. For instance, the [LGBT 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. The [Child Development Center](#) and [Health Promotions](#) both offer undergraduate and graduate students opportunities for internships and volunteer work. [Career Services](#) assists graduate students with job search skills and strategies, and the [Intercultural Center for Peace](#) offers a special summer orientation program for new minority graduate students.

Information about all of the opportunities offered through Student Affairs departments may be obtained by visiting their web sites. To learn more about Student Affairs offerings that directly intersect with students in their academic progress, please review the following information.

## [Bette Soldwedel Research Initiative \(BSRI\)](#)

The BSRI, a Women's Center program, provides encouragement and support to women members of UNF engaged in research in all disciplines as well as support to women and men engaged in gender research. Students, faculty, and staff are welcomed and encouraged to become involved in research through the BSRI and apply for grant money to support their research.

## [Career Services](#)

The need for career assistance begins early in students' college experiences and continues

## [Student Affairs Departments and Programs](#)

[Campus Life](#)

[Campus Recreation](#)

[Career Services](#)

[Center for Student Media](#)

[Child Development Research Center](#)

[Counseling Center](#)

[Dean of Students](#)

[Disability Resource Center](#)

[English Language Program](#)

[Fraternity and Sorority Life](#)

[Health Promotions](#)

[Housing and Residence Life](#)

[Interfaith Center](#)

[Intercultural Center for Peace](#)

[Intergroup Dialogue](#)

throughout their academic and professional lives. Career Services provides a variety of career services, programs, and resources specifically designed to help our students make a successful transition from academics to the world of work. The department assists students in clarifying career goals, choosing meaningful academic majors, providing cooperative education and internship experiences, exploring graduate study programs, and developing effective job search strategies.

## **Internships/Cooperative Education Program (free elective)**

The Internship/Cooperative Education is a unique educational program in which students integrate classroom study with supervised work experience related to their major field of study. Experiential Learning is a free elective course available in each of the four UNF colleges.

- [Internships/Cooperative Education](#)
- [College of Arts and Sciences](#)
- [College of Computing Engineering and Construction Cooperative Education Program](#)
- [College of Education and Human Services Cooperative Education Program](#)
- [Brooks College of Health Cooperative Education Program](#)

Students desiring a more intensive career exploration experience are encouraged to enroll in Career Services “[Career Planning Course](#)”: [EDG 2000](#): A 3-credit-hour course taught by Career Services career counseling staff that guides the student through the career development process.

## **Child Development Research Center (CDRC)**

In addition to on-campus child care, The Child Development Research Center serves the University community as a pre-internship site for its University students (Education majors and others) as well as for students from other colleges and universities within the region. The Center serves as a research site, allowing faculty members from various departments to conduct research which is generally interdisciplinary in nature.

## **Disability Resource Center (DRC)**

The Disability Resource Center (DRC) acts as a liaison between students with disabilities and the academic community. A fundamental goal of the DRC is to provide registered students with reasonable accommodations, auxiliary learning aids and information on accessibility. These services give students with disabilities equal access to academic programs. In addition, the DRC strives to increase awareness of the Rights, Responsibilities, and Resources available at the University of North Florida for students with disabilities. In compliance with Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990, the DRC provides resources to academic support services necessary for the student’s academic pursuits. The DRC office also provides necessary accommodations during special campus events and meetings, as well as training regarding disability awareness for faculty and staff.

## **English Language Program (ELP)**

The English Language Program (ELP) provides international students and professionals an opportunity to learn English or to improve their proficiency in the English Language. The ELP offers quality instruction with knowledgeable and experienced teachers. The ELP staff and teachers provide a compassionate and caring learning environment to students in order to help them adjust to a new language and culture. The ELP welcomes and invites students to UNF to study English and American culture in sunny, beautiful Northeast Florida.

## **Florida/West Africa Institute (FLAWI)**

The Florida-West Africa Linkage Institute (FLAWI), managed by the UNF International Center, was established under Florida Statute 288.8175 to promote academic, cultural, and economic exchanges between the state of Florida and the region of West Africa. This Linkage Institute provides qualified students non-resident tuition waivers, within the limits of the waivers available, to pursue a higher education at state universities and colleges in Florida. Institute tuition exemptions are available to students from the following countries: Benin, Burkina Faso, Cape Verde Islands, Cote D’Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, and Togo.

[International Center](#)

[Lesbian, Gay, Bisexual, Transgender Resource Center](#)

[Military and Veteran Resource Center](#)

[Office of Student Affairs](#)

[Parent and Family Programs](#)

[Army ROTC](#)

[Navy ROTC](#)

[Student Affairs Development Office](#)

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[Student Health Services](#)

[Student Ombudsman](#)

[Student Union](#)

[Taylor Leadership Institute](#)

[University Police Department](#)

[Week of Welcome](#)

[Women’s Center](#)



## Intercultural Center for the Promotion, Education and Advancement of Cultures and Ethnicities (ICP)

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The Intercultural Center for PEACE offers students, and the University of North Florida (UNF) community, a place to learn about cultural diversity through individual meetings, group discussions, lectures and a wide range of programs and events. The Center promotes an inclusive campus through its programs. ICP provides quality services and programs that support and enhance the collegiate experience, particularly for students of color. ICP works closely with the African American Student Union, The Asian Students in Alliance and the Latin American Student Organization which are open to all students on campus.

ICP offers a variety of scholarships and college preparation programs including the Dr. Martin Luther King, Jr. Scholarship, Special Summer Graduate Program (SSGP), and Quality for the Ultimate Educational Success Today (QUEST). The QUEST program is for first-time in college minority freshmen students. QUEST provides students with skills essential for college success, personalized career exploration counseling, and information about University services and student organizations. The Special Summer Graduate Program for minority graduate students at UNF is an excellent program sponsored by the Center. The objectives of the program are to provide early adjustment to UNF graduate programs, review skills essential for success in graduate school acquire knowledge regarding nonacademic services and relevant organizations and to develop a viable student network.

## Intergroup Dialogue

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Intergroup Dialogue is a program at UNF that brings together individuals from two or more social identity groups in a facilitated co-learning environment. The program is designed to help students, faculty and staff build the skills and knowledge needed to take part in and to lead multicultural group interactions. Students can participate in Intergroup Dialogue by enrolling in a course open to all undergraduates for elective credit. The Intergroup Dialogue course satisfies selected requirements for the Leadership Certificate and Leadership Minor. The Intergroup Dialogue course is designed to help students build the skills and knowledge needed to take part in and to lead multicultural group interactions. The topics of this course include social identity development; prejudice and stereotyping and their effects on groups; power difference and dominance and the nature of social oppression; and sophisticated group facilitation skills and their applications in multicultural settings.

Particular emphasis is placed on interpreting leadership theory and practice in the context of values, the *Social Change* theory of leadership development, UNF's six core values, and related processes of values integration. Through values-driven leadership, students can make a difference on campus and in the community.

## International Center

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The International Center works with both domestic and international students in a variety of ways to internationalize the University. The Center is the central office for domestic (U.S.) students who are looking for an international experience during their college career. The Center also manages the Student Affairs International Learning Scholarship (SAILS) that can help fund a student's activity overseas. For international students (on F and J visas), the Center recruits students, helps them through the admissions process, provides services and support for their specific needs once on campus, and helps with funding sources (see, for example, the FLAWI section). In addition, the Center is the on-campus source of immigration information to assist international students in maintaining legal status while studying at UNF. Finally the Center oversees the UNF English Language Program (ELP) which provides international students and professionals an opportunity to learn English or to improve their proficiency in the English language before matriculating into the University.

## Military and Veterans Resource Center

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The Military and Veterans Resource Center (MVRC) provides military and veteran students assistance in navigating admission, enrollment and financial aid processes. Led by the Director, the MVRC is the primary campus advocate for military and veteran students and works with them to ensure their unique needs are met by coordinating with offices of various university services such as academic advising, tutoring, counseling, disability resources, veteran programming, benefits information and assistance (financial and medical), as well as facilitating referral to state and federal

resources and services. Please see the Center's link for special programming and other veteran-specific incentives such as priority registration for classes, meal discounts at some athletic venues, red, white and blue Americana graduation cords, veteran-specific internships, scholarships and employment assistance.

## **Reserve Officers Training Corps at UNF**

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The United States Army Reserve Officers' Training Corps at the University of North Florida (UNF ARMY ROTC) is an educational program of leadership and military skills training that prepares UNF students for officer responsibilities in the United States Army, Army Reserve, or Army National Guard. Upon completion of the physically and mentally demanding UNF ARMY ROTC program, students are appointed to the rank of Second Lieutenant following graduation from UNF.

### **Army ROTC**

The Army Reserve Officers' Training Corps (ROTC) at the University of North Florida is a challenging educational program of leadership and military skills training. It prepares UNF students for officer responsibilities in the active Army, Army Reserve, or Army National Guard. Army ROTC courses fit into most UNF academic programs as electives. ROTC Cadets normally take one course and one lab per semester right along with their other classes. Freshmen and sophomores begin with the no-obligation basic courses. They receive instruction in leadership and military skills such as physical fitness, land navigation, and first aid. Junior and senior Cadets make up the Advanced Courses. At this stage, cadets make a formal commitment to the Army, receive instruction on leadership principles and advanced military skills, demonstrate those skills at the national Cadet Leader's Course (CLC), and receive a commission as a US Army 2nd Lieutenant upon graduation. UNF Army ROTC offers opportunities for both Active Duty and Reserve scholarships with full tuition/fees (or room and board up to \$10,000 per year). Cadets may apply for a 3-year or 2-year Army ROTC Campus-Based Scholarship. Each pays full tuition, \$600.00 per year for books, plus a monthly stipend (during the school year) for living expenses.

For a closer look at UNF ARMY ROTC, students should visit the [UNF ARMY ROTC Facebook page](#) or visit the [UNF ROTC website](#).

### **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.

## **Student Code of Conduct**

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When students become a member of the UNF community they subscribe to uphold the values of the University, both in and out of the classroom. The Student Code of Conduct is designed to promote responsible behavior for all students consistent with the welfare of the UNF community. In order to function effectively and to provide a climate in which all members can fulfill their personal, social, and academic obligations, the University has established this Code for defining behavioral rights and responsibilities within this community. The responsibility for the administration of this Code is through the [Student Conduct Office](#) and the Division of Student Affairs.

## **Student Ombudsman**

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The Office of the Student Ombudsman helps promote students success and retention by providing UNF students with a safe, confidential place to bring questions and concerns about University rules, policies, or procedures, and by assisting students to develop effective working relationships with faculty and staff at the University. The Ombudsman helps students understand and respond to the issues they may encounter at the University by considering all sides of an issue in an impartial and objective way, and helping them develop and implement strategies for problem solving and resolution.

## **Taylor Leadership Institute**

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The vision for the Taylor Leadership Institute is to address the very real need of empowering future leaders to take their place in the world with the knowledge, skill set, and leadership vernacular and

repertoire to 'hit the ground running' as leaders. A portrait of a graduating leader is one who understands building team processes, comfortably and proactively facilitates group dynamics, thinks globally and acts ethically appreciating the paramount role of making a difference in the world.

The Leadership Certificate has merged with the Community Leadership Minor, reflected on the academic transcript. The interdisciplinary collaborative programmatic design of the Community Leadership Minor is a partnership with the College of Education and Human Services utilizing leadership electives from all five colleges. Approved by the Academic Program Committee in the Faculty Association, the Community Leadership Academic Minor appears in the Academic Calendar.



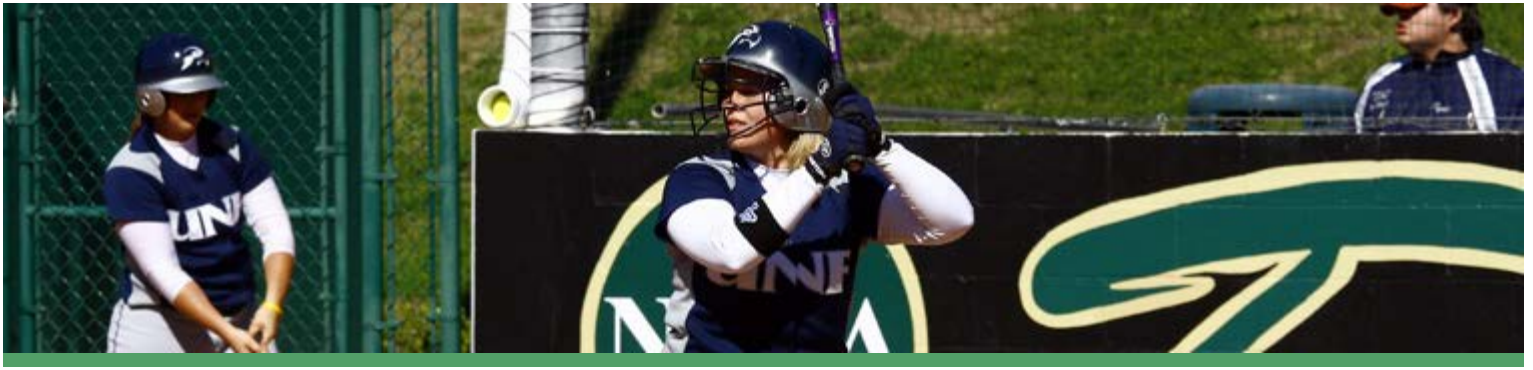
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# UNF Alumni Association

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 Florida Alumni Association offers many benefits to a growing body of alumni from all walks of life. Alumni Family Fun Day - ECO Day and Play a Round for Scholarships Golf Tournament are just a few great events hosted by the Alumni Association.

Visit the [UNF Alumni Association](#) to get connected now.



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# 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 provide 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](#).



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# 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](#) as well as helpful scholarship tips.

## **Institutional Scholarships**

For information on institutional and state scholarships, visit [One-Stop Student Services - Scholarships - FAQs](#).



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# Quick Guide to Resources

## Academic Advising

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For information about each of the advising units listed below, [click here](#).

- 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
- Honors Advising

## Academic Services

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- [Academic Testing](#)
- [Thomas G. Carpenter Library](#)
- [Tutoring](#)
- [Undergraduate Studies](#)
- [The Graduate School](#)

## Campus Involvement

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- [Campus Recreation](#)
- [Environmental Center](#)
- [Office of Fraternity and Sorority Life](#)
- [Intercultural Center for PEACE](#)
- [Interfaith Center](#)
- [Osprey Productions](#)
- [Housing and Residence Life](#)
- [Student Government](#)
- [Student Media](#)
- [Student Union](#)
- [Taylor Leadership Institute](#)
- [Volunteer Center](#)

## Campus Services

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- [Bookstore](#)
- [Child Development Research Center](#)
- [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**

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- [Career Services](#)
- [College Work Study](#)
- [Student Employment/HR](#)

## **Financial Services**

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- [Cashier's Office](#)
- [Financial Aid/One-Stop Student Services](#)
- [Scholarships](#)

## **Fitness and Health**

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- [Campus Recreation](#)
- [Counseling Center](#)
- [Health Promotions \(Fitness and Nutrition\)](#)
- [Student Health Services](#)
- [Student Wellness Complex](#)

## **Multicultural Services**

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- [African American Student Union](#)
- [English Language Program](#)
- [Intercultural Center for PEACE](#)
- [Interfaith Center](#)
- [International Center](#)
- [Lesbian, Gay, Bisexual and Transgender Resource Center](#)
- [Women's Center](#)

## **Personal Support Services**

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- [Career Services](#)
- [Counseling Center](#)
- [Disability Resource Center](#)
- [Health Promotions \(Alcohol & Drugs, Sexual Health, Mental Health and Stress\)](#)
- [Parent and Family Programs](#)
- [Student Conduct](#)
- [Student Health Center](#)
- [Student Ombudsman](#)
- [Victim's Advocacy Program](#)

## **Student Enrollment & Records**

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- [Admissions](#)
- [The Graduate School](#)
- [One-Stop Student Services](#)
- [Records and Registration](#)

## Veteran & Military Services

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- [Veteran's Affairs](#)
- [Veteran's Benefits](#)
- [Military and Veterans Resource Center](#)
- [ROTC/Army](#)
- [NROTC/Navy](#)



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# 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 acceleration 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. For more information on dual enrollment, [click here](#).

To view the University's current official policy, [click here](#).



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# 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 & BSC 1010C	5,6,7	4 hours Common Core Course 4 hours Common Core Course
Business and Management	GEB 1011	4	3 hours Elective
Business and Management	GEB 1011 & MAN 2652	5, 6, 7	3 hours Elective 3 hours Elective
Chemistry	CHM 1020C	4	4 hours Common Core Course
Chemistry	CHM1020C & 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 & CGS 1570	5, 6, 7	3 hours Elective 3 hours Elective
Design Technology	ETI 1410	4	3 hours Elective
Design Technology	ETI 1410 & ETI 1000	5, 6, 7	3 hours Elective 3 hours Elective
Economics	ECO 1000	4	3 hours Elective
Economics	ECO 2013 & ECO 2023	5, 6, 7	3 hours Common Core Course 3 hours Elective
Ecosystems & Societies	EVR 1017	4	3 hours Elective
Ecosystems & Societies	EVR1017 &	5, 6, 7	3 hours Elective

	ISC 1000		3 hours Elective
English A1	ENC 1101	4	3 hours Common Core Course
English A1	ENC 1101 & ENC 1102	5, 6, 7	3 hours Common Core Course 3 hours Literature GR Writing
Environmental Systems	ISC 1050	4	3 hours Non-Lab Science
Environmental Systems	ISC 1050 & 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 & FIL 1002	5, 6, 7	3 hours Elective 3 hours Elective
French	FRE 1121	4	4 hours Foreign Language
French	FRE 1121 & 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 & MHF 2209	5, 6, 7	3 hours GR Math 3 hours GR Math
Geography	GEA 1000	4	3 hours Elective
Geography	GEO 2200 & GEO 2400	5, 6, 7	3 hours Elective 3 hours Elective
German	GER 1121	4	4 hours Foreign Language
German	GER 1121 & GER 2200	5, 6, 7	4 hours Foreign Language 3 hours Foreign Language
History	WOH 1030	4	3 hours Elective
History	WOH 1030 & EUH 1000 or AMH 2020 (based on test title)	5, 6, 7	3 hours Elective 3 hours Elective or 3 hours Common Core Course
Information & Technology for a Global Society	CGS 1078	4	3 hours Elective
Information & Technology for a Global Society	CGS 1078 & CGS 1100	5, 6, 7	3 hours Elective 3 hours Elective
Islamic History	ASH 3223	4	3 hours Elective
Islamic History	ASH 3223 & 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	6 hours Foreign Language
Latin	LAT 1120	4	4 hours Foreign Language
Latin	LAT 1120 & LAT 1230	5, 6, 7	4 hours Foreign Language 3 hours Foreign Language
Marine Science	BSC 1311C	4	3 hours Lab--Science
Marine Science	BSC 1311C & 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 & MAC 1140	5	3 hours Common Core Course 4 hours GR Math
Math Methods	MAC 1140 & MAC 2233	6, 7	4 hours GR Math 3 hours GR Math
Mathematics	MAC 1147	4	4 hours GR Math
Mathematics	MAC 1147 &	5	4 hours GR Math

	MAC 2233		3 hours GR Math
Mathematics	MAC 2233 & MAC 2311	6,7	3 hours GR Math 4 hours GR Math
Math Studies	MAT 1033	4	3 hours Elective
Math Studies	MAC 1033 & MAC 1106	5, 6, 7	3 hours Elective 3 hours Common Core Course
Music	MUL 1010	4	3 hours Common Core Course
Music	MUL 1010 & 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 & 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 & PHY 1009	5	4 hours Common Core Course 3 hours Non-Lab-Science
Physics	PHY 2053C & PHY 2054C	6, 7	4 hours Common Core Course 4 hours Lab-Science
Psychology	PSY 2012	4	3 hours Common Core Course
Psychology	PSY 2010 & PSY 1000	5, 6, 7	3 hours Elective 3 hours Elective
Social and Cultural Anthropology	ANT 2410	4	3 hours Elective
Social and Cultural Anthropology	ANT 2410 & ANT 1000	5, 6, 7	3 hours Elective 3 hours Elective
Spanish Language	SPN 1121	4	4 hours Foreign Language
Spanish Language	SPN 1121 & 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 & 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 & ART 1201C	5, 6, 7	3 hours Elective 3 hours Elective





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# 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 2050 & ARH 2051	4, 5	3 hours Common Core Course/3 hours Elective
Biology	BSC 1005C	3	4 hours Common Core Course
Biology	BSC 1010C	4	4 hours Common Core Course
Biology	BSC 1010C & 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 & 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 & 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 & 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
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 & 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 & 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	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 & FRE 2241	4, 5	6 hours Foreign Language
**French Literature	FRW 3100	3	3 hours Elective
**French Literature	FRW 3100 & FRW 3101	4, 5	6 hours Elective
**German Language	GER 2200	3	3 hours Foreign Language
**German Language	GER 2200 & GER 2201	4, 5	6 hours Foreign Language
Government and Politics: Comparative	CPO 2002	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	3, 4, 5	3 hours Elective
**Italian Language & Culture	ITA 2200	3	3 hours Foreign Language
**Italian Language & Culture	ITA 2200 & ITA 2201	4, 5	6 hours Foreign Language
**Japanese Language & Culture	JPN 2200	3	3 hours Foreign Language
**Japanese Language & Culture	JPN 2200 & 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 &MUT 1241	3, 4, 5 if both aural and non-aural sub- scores are 3 or higher	6 hours Elective
Physics B	PHY 2053C	3	4 hours Common Core Course
Physics B	PHY 2053C & 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 & SPN 2201	4, 5	6 hours Foreign Language
**Spanish Literature	SPW 3030	3	3 hours Elective
**Spanish Literature	SPW 3030 & SPW 3000	4, 5	6 hours Elective
Statistics	STA 2014	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 & 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.



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# 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 ACG 1000	3	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 BSC 1005	4 3	Common Core Course
Business Studies (AS-LEVEL)	GEB 1011	3	Elective
Business Studies (AA-LEVEL)	GEB 1011 & GEB 1000	6	Elective
Chemistry (AS-LEVEL)	CHM 1020C or CHM 1025C	4	Common Core Course
Chemistry (A-LEVEL)	CHM 1020C or CHM 1025C CHM 2045C	4	Common Core Course
Classical Studies (AS-LEVEL)	CLA 1010	3	Elective
Computing (AS-LEVEL)	CGS 1073	3	Elective
Computing (A-LEVEL)	CGS 1073 CGS 1074	3	Elective
Design & Technology (AS-LEVEL)	ETI 1482C	3	Elective
Design & Technology (AA-LEVEL)	ETI 1482C ETI 1000	3	Elective
Economics (AS-LEVEL)	ECO 1000	3	Elective
Economics (A-LEVEL)	ECO 2013 ECO 2023	3	Common Core Course
English (AS-LEVEL) (Language or Language & Literature)	ENC 1101	3	Common Core Course
English (AS-LEVEL)	ENC 1101 or ENC 1102	3	English GR Writing

(Literature in English)			
English (A-LEVEL)	ENC 1101	3	Common Core Course
(Literature in English)	ENC 1102	3	
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 MAC 2312	3	Gordon Rule Mathematics
General Paper	IDS 1110	3	Elective
Geography (AS-LEVEL)	GEA 1000	3	Elective
Geography (A-LEVEL)	GEO 2200 GEO 2400	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 Intermediate II Level	6	Elective
Global Perspectives I (AS-LEVEL)	ISS 1011	3	Elective
Global Perspectives Pre-U Independent Research II (A-LEVEL)	ISS 1011 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	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		Elective
Marine Science (AS-LEVEL)	OCE 1001	3	Non Lab--Science
Marine Science (A-LEVEL)	OCE 1001 OCB 1000	3	Non Lab--Science
Mathematics (AS-LEVEL)	MAC 1147 or MAC 1140/1114	4	Elective
Mathematics (A-LEVEL)	MAC 2311 & MAC 2233	3	Elective
Music (AS-LEVEL)	MUH 1001	3	Elective
Music (A-LEVEL)	MUH 1001 MUH 1011 or MUH 1012	3	Elective
Physics (AS-LEVEL)	PHY 2020C	3	Common Core Course
Physics (A-LEVEL)	PHY 2053C PHY 2054C	4	Common Core Course
Psychology (AS-LEVEL)	PSY 2012	3	Common Core Course

Psychology (A-LEVEL)	PSY 2012 & PSY 1000	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)		Elective
Spanish Literature (AS-LEVEL)	1 semester of Literature credit (3 SH)		Elective
Spanish (A-LEVEL)	At least 2 semesters of Language credit up to Intermediate II (6 SH)		Elective
Thinking Skills (AS-LEVEL)	Enter transfer side PHI 1103 Note: PHI 1103 will articulate to PHI 2100	3	Elective
Thinking Skills (A-LEVEL)	Enter transfer side PHI 1103 & PHI 1000 Note: PHI 1103 will articulate to PHI 2100	3	Elective
Travel & Tourism (AS-LEVEL)	HFT 1000 or HFT 1700	3	Elective
Travel & Tourism (A-LEVEL)	HFT 1000 OR HFT 1700 & Other Hospitality Mgt. related course	3	Elective



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# Dual Enrollment

Dual Enrollment refers to high school students who seek college credit that can be used dually to complete high school graduation requirements and may be applied toward an associate or bachelor's degree.

To view more information about Dual Enrollment, [click here](#).



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# 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 & ENC1102	50	3 hours Common Core Course/ 3 hours English



College Composition Modular*	ENC 1101 & ENC1102	50	3 hours Common Core Course/ 3 hours English
College Mathematics	MGF1107	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 1	FRE 1120	50	4 hours Foreign Language
French -- Coll Lvl 2	FRE 1120 & 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 & 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	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
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
Spanish -- Coll Lvl 1	SPN 1120	50	4 hours Foreign Language
Spanish -- Coll Lvl 2	SPN 1120 & SPN 1121	63	8 hours Foreign Language
Western Civilization I: Ancient Near	EUH 1000	50	3 hours Elective

East to 1648			
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.



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# DANTES Equivalencies

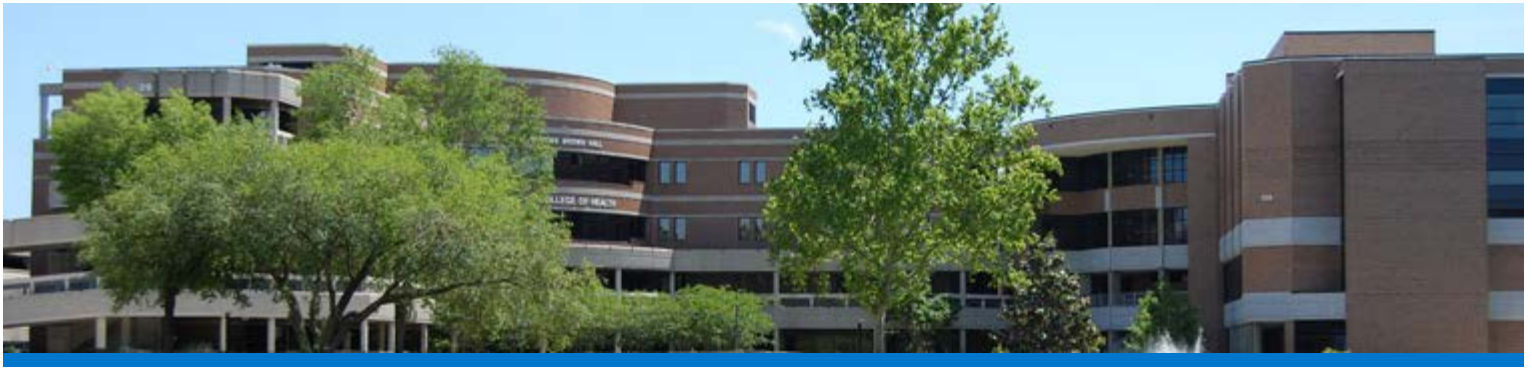
Credit will be granted for satisfactory scores on the DANTES Equivalencies (DANTES). The chart below can be used as a guide to determine the type and the amount of credit. Credit earning scores and course credit awarded can be found on the Florida Statewide Course Numbering System website.

**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	3	Common Core Course
Astronomy	48	AST 2002	3	Common Core Course
Business Ethics and Society	400	GEB 1441	3	Elective
Business Law II	44	BUL 2242	3	Elective
Business Math	48	QMB 1001	3	Elective
Criminal Justice	49	CCJ 1000	3	Elective
Drug & Alcohol Abuse	49	No Recommendation		Elective
Environment & Humanity	46	EVR 1017	3	Elective
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
General Anthropology	47	ANT 2000	3	Common Core Course
Here's to Your Health	48	HSC 2100	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 Computing	45	CGS 1060	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
Management Information Systems	46	ISM 1000	3	Elective
Money & 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 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	MNA 1345	3	Elective
Rise & Fall of the Soviet Union	45	EUH 1066	3	Elective
Substance Abuse	49	HSC 1140	3	Elective
Technical Writing	46	ENC 2210	3	Elective
The Civil War & Reconstruction	47	AMH 1056	3	Elective
Western Europe Since 1947	45	No Recommendation		Elective

\*Note: The scoring system for DAN TES 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.



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## School of Nursing

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### R.N.-B.S.N.- Bridge Curriculum Plan

#### Admission Requirements for On-Campus Cohorts

While seats in the RN-BSN track are not governed by the Florida Board of Nursing, as are the Prelicensure and Accelerated Prelicensure seats, the seats are, nonetheless, limited each term by the size of the facility utilized for the cohort. Each cohort can typically accommodate 30-35 students; seats are filled on a first-come, first-served basis for qualified applicants. Cohorts will not begin with less than 20 enrolled students.

#### Admission Requirements

1. Active license to practice registered nursing in Florida;
2. Nursing degree from a regionally accredited institution and a nationally accredited nursing program (Not sure? Check [here](#))
3. Satisfy UNF General Education & Gordon Rule requirements by one of the following:
  - a. Sixty (60) semester hours of coursework with the satisfaction of UNF General Education & Gordon Rule per the [UNF catalog](#)**-OR-**
  - b. Present an Associate of Arts (A.A.) degree from a Florida public institution;
4. Minimum overall GPA of at least 2.90; and,
5. Completion of all BSN nursing [prerequisite courses](#) with no grade lower than “C

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## Admission Requirements for Online Cohorts

While seats in the RN-BSN track are not governed by the Florida Board of Nursing, as are the Prelicensure and Accelerated Prelicensure seats, the seats are, nonetheless, limited each term by the size of the facility utilized for the cohort. Each cohort can typically accommodate 30-35 students; seats are filled on a first-come, first-served basis for qualified applicants. Cohorts will not begin with less than 20 enrolled students.

### Admission Requirements

1. Active license to practice registered nursing in the applicant's state of residence;
2. Nursing degree from a regionally accredited institution and a nationally accredited nursing program.
3. At least one year's experience working as a registered nursing caring for multiple patients in an inpatient setting (hospital or nursing home) OR be currently working as a RN in a hospital providing direct patient care;
4. Satisfy UNF General Education & Gordon Rule requirements by one of the following ways:
  - a. Sixty (6) semester hours of coursework with the satisfaction of UNF General Education & Gordon Rule.-OR-
  - b. Present an Associate of Arts (A.A.) degree from a Florida Public institution;
5. Minimum overall GPA of at least 2.9; and
6. Completion of all BSN nursing prerequisite courses with no grade lower than "C"

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## Regular Prelicensure B.S.N. Curriculum Plan

### 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.

- o 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.
- o Where necessary to achieve established equal access enrollment goals, some students may be admitted to the program using different criteria.

### Admission Requirements

1. Satisfy UNF General Education & Gordon Rule requirements with:
  - a. Sixty (60) semester hours of courses with the satisfaction of UNF General Education & Gordon Rule Writing per the [UNF catalog](#)-OR-
  - b. Submit an Associate of Arts (A.A.) degree from a Florida public institution
2. Maintain a minimum overall undergraduate GPA of at least 2.90
3. Completion of all BSN [prerequisite courses](#) with no grade lower than "C" and a prerequisite GPA of at least 2.90 (see [FAQs](#) for more details regarding GPA and prerequisite course policies)
4. Completion of the [Test of Essential Academic Skills \(TEAS ®\)](#) version V and submission of the scores directly to the program by the deadline ***\*Beginning in 2015, a minimum score of 300 will be required on the TEAS.***
5. Completion of the supplemental program application with submission directly to the program

by the deadline

\*Completion of the admission requirements does not guarantee an interview or admission to the program.

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## Accelerated Prelicensure B.S.N. Curriculum Plan

### 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.

### Admission Requirements:

1. Graduation from a regionally accredited institution with a baccalaureate degree
2. Maintain a minimum overall undergraduate GPA of 3.0
3. Completion of all [nursing prerequisite courses](#) with no grade lower than "C" and a prerequisite GPA of at least 2.90 (see [FAQs](#) for more details regarding GPA and prerequisite course policies)
4. Completion of the [Test of Essential Academic Skills \(TEAS\)](#) version V and submission of the scores directly to the program by the deadline **\*Beginning in 2015, a minimum score of 300 will be required on the TEAS.**
5. Completion of the supplemental program application with submission directly to the program by the deadline (provided below)

\*Completion of the admission requirements does not guarantee an interview or admission to the program.

## 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	4
BSC2085C	Anatomy & Physiology I and lab	4
BSC2086C	Anatomy & Physiology II and lab	4
*CHM, BCH, BSC, PCB, or PHY	Additional Science	3-4
	<b>Total</b>	<b>27</b>

\*Note that CHM2045/2045L is required as one of the prerequisites to MCB2010C enrollment at UNF. While CHM1020 or CHM1025 will meet this category in general, applicants are cautioned to check that they have satisfied the specific requirements to allow them to enter MCB at their institution of choice. This is also why UNF recommends 28 hours of prerequisites instead of 27.

\*\*PSY may be required as a prerequisite to DEP3054.

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## Department of Clinical and Applied Movement Sciences

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### Bachelor of Science in Athletic Training

#### Admission Requirements- Limited Access Criteria

Due to the exceptional number of applicants, the Athletic Training 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 Athletic Training Education Program. Enrollment in the Athletic Training Education Program is limited by clinical education site availability to a total of 60-70 students at any one time, with 30-35 new students typically admitted each year from a competitive applicant pool.

### **Application Process**

Application deadline is **MAY 1** (postmark) of the year of application to the Athletic Training Program. The Athletic Training Program has a separate application form that must be completed. This supplemental application can be found on the Brooks College of Health Athletic Training Program website. Students not currently enrolled at UNF must apply for admission to UNF through the UNF Office of Admissions (904-620-5555) and designate Athletic Training as their preferred major on the UNF application form. Students currently enrolled at UNF must request a major change at the Brooks College of Health Advising Office to declare Athletic Training as their major prior to the **MAY 1** deadline. To be considered for admission to the Athletic Training Program, each applicant must fulfill the following minimum requirements:

1. Submission of all official transcripts and documentation by May 1 of the year of application;
2. Submission of a complete Athletic Training Program supplemental application by May 1 of the year of application;
3. Attainment of minimum of 2.80 GPA overall;
4. Attainment of minimum of 2.80 GPA in all prerequisite courses;
5. Demonstration of communication and interpersonal skills during a required interview;
6. Completion of all general education and prerequisite courses prior to entering the Athletic Training Education Program;
7. Students must have a health evaluation completed by a health care professional (MD, DO, PA, NP) in light of the technical standards established by the Athletic Training Education Program. Included in this evaluation must be documented immunizations recommended by the Centers for Disease Control and Prevention for health care workers including: hepatitis B, measles, mumps, rubella, tetanus, and diphtheria. Any specific questions regarding the health care evaluation and immunizations should be referred to the Program Director.

To view the Athletic Training Program of study please [click here](#).

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## **Bachelor of Science in Health; Concentration in Exercise Science**

### **Admission Requirements**

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 and 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 enrollments 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.

## Application Process

Application deadline is **MAY 1** (postmark) of the year of application to the Program. Students not currently enrolled at UNF must apply for admission to UNF through the UNF Office of Admissions (904-620-5555) and designate exercise science as their preferred major on the UNF application form. Students currently enrolled at UNF must request a major change at Brooks College of Health Advising Office to declare exercise science as their major prior to the **MAY 1** deadline. To be considered for admission to the Exercise Science Program, each applicant must fulfill the following minimum requirements:

1. Submission of UNF application, all official transcripts, and documentation by May 1 of the year of application; Current UNF students must change their major prior to the May 1<sup>st</sup> deadline.
2. Attainment of minimum of 2.75 Overall GPA.
3. Attainment of minimum of a B grade or higher in the following prerequisite courses: (BSCX085/BSCX085L- Anatomy and Physiology I and Lab; BSCX086/BSCX086L Anatomy and Physiology II and Lab; CHMX045/CHMX045L College Chemistry and Lab; MACX105 College Algebra)
4. Seven of the eight prerequisites must be completed by application deadline. Three of the seven completed prerequisites must be BSC2085C, BSC2086C, CHM2045/2045L, MAC1105. Remaining prerequisite must be completed no later than summer term, prior to fall admission.
5. Completion of all general education and prerequisite courses prior to entering the Exercise Science Program.

Successful completion of admission requirements does not guarantee acceptance into the Program. Enrollment in the Program is limited by available faculty resources to a total of 80-120 students at any one time, with 40-60 new students typically admitted each year from a competitive applicant pool. To view the Exercise Science program of study [click here](#).

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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 via UNF.

To view the University's current official policy, [click here](#).



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# 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 ACG 1000	3	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 BSC 1005	4 3	Common Core Course
Business Studies (AS-LEVEL)	GEB 1011	3	Elective
Business Studies (AA-LEVEL)	GEB 1011 & GEB 1000	6	Elective
Chemistry (AS-LEVEL)	CHM 1020C or CHM 1025C	4	Common Core Course
Chemistry (A-LEVEL)	CHM 1020C or CHM 1025C CHM 2045C	4	Common Core Course
Classical Studies (AS-LEVEL)	CLA 1010	3	Elective
Computing (AS-LEVEL)	CGS 1073	3	Elective
Computing (A-LEVEL)	CGS 1073 CGS 1074	3	Elective
Design & Technology (AS-LEVEL)	ETI 1482C	3	Elective
Design & Technology (AA-LEVEL)	ETI 1482C ETI 1000	3	Elective
Economics (AS-LEVEL)	ECO 1000	3	Elective
Economics (A-LEVEL)	ECO 2013 ECO 2023	3	Common Core Course
English (AS-LEVEL) (Language or Language & Literature)	ENC 1101	3	Common Core Course
English (AS-LEVEL)	ENC 1101 or ENC 1102	3	English GR Writing

(Literature in English)			
English (A-LEVEL)	ENC 1101	3	Common Core Course
(Literature in English)	ENC 1102	3	
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 MAC 2312	3	Gordon Rule Mathematics
General Paper	IDS 1110	3	Elective
Geography (AS-LEVEL)	GEA 1000	3	Elective
Geography (A-LEVEL)	GEO 2200 GEO 2400	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 Intermediate II Level	6	Elective
Global Perspectives I (AS-LEVEL)	ISS 1011	3	Elective
Global Perspectives Pre-U Independent Research II (A-LEVEL)	ISS 1011 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	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		Elective
Marine Science (AS-LEVEL)	OCE 1001	3	Non Lab--Science
Marine Science (A-LEVEL)	OCE 1001 OCB 1000	3	Non Lab--Science
Mathematics (AS-LEVEL)	MAC 1147 or MAC 1140/1114	4	Elective
Mathematics (A-LEVEL)	MAC 2311 & MAC 2233	3	Elective
Music (AS-LEVEL)	MUH 1001	3	Elective
Music (A-LEVEL)	MUH 1001 MUH 1011 or MUH 1012	3	Elective
Physics (AS-LEVEL)	PHY 2020C	3	Common Core Course
Physics (A-LEVEL)	PHY 2053C PHY 2054C	4	Common Core Course
Psychology (AS-LEVEL)	PSY 2012	3	Common Core Course

Psychology (A-LEVEL)	PSY 2012 & PSY 1000	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)		Elective
Spanish Literature (AS-LEVEL)	1 semester of Literature credit (3 SH)		Elective
Spanish (A-LEVEL)	At least 2 semesters of Language credit up to Intermediate II (6 SH)		Elective
Thinking Skills (AS-LEVEL)	Enter transfer side PHI 1103 Note: PHI 1103 will articulate to PHI 2100	3	Elective
Thinking Skills (A-LEVEL)	Enter transfer side PHI 1103 & PHI 1000 Note: PHI 1103 will articulate to PHI 2100	3	Elective
Travel & Tourism (AS-LEVEL)	HFT 1000 or HFT 1700	3	Elective
Travel & Tourism (A-LEVEL)	HFT 1000 OR HFT 1700 & Other Hospitality Mgt. related course	3	Elective





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# 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](#).

For more information about the Statewide Articulation Agreement, [click here](#).





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## [Welcome to Brooks College of Health](#)

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Could you picture yourself in a remote village in Ghana, immersed in a culture foreign to you and helping a mother deliver her child? Now imagine a famous professional athlete as he sprints on a treadmill, with you standing beside him to measure his lung capacity. Envision a room full of children in the heart of Jacksonville's impoverished urban core, listening intently as you teach them about the importance of hand washing – lessons they desperately need to hear.

These experiences are not fiction. Students in the Brooks College of Health have had these opportunities – and more – as a result of our understanding that students' education has more impact through transformational learning opportunities.

### **Our Programs**

In the University of North Florida Brooks College of Health, we pride ourselves as being a leader in the preparation of the highest quality health care professionals dedicated to serving the community. For this reason, the College is continually working to provide specialized programming in a wide range of health care fields. Currently, the Brooks College of Health offers Bachelor's degrees in Health with specializations in Community Health, Athletic Training, Exercise Science, and Health Administration. We also offer a Bachelor of Science in Nutrition and in Nursing as well as an RN-BSN program for registered nurses desiring to further their education.

Our graduate programs include a Master's degree in Nursing, Public Health, Health Administration, Clinical Mental Health Counseling, Aging Services Management, Exercise Science and Chronic Disease, and Nutrition. We also offer two doctoral degrees: a Doctorate of Nursing Practice and a Doctorate of Physical Therapy. In 2015, the third clinical doctorate will be added in Nutrition and Dietetics.

An integral part of each of these outstanding programs is the emphasis on quality time in clinical settings and laboratories, the use of the most up-to-date technologies, innovative faculty and student research, and the opportunity for hands-on learning experiences. Of course, all of these diverse programs and learning opportunities are directed and enhanced by our outstanding faculty.

We know there is no one like you. We believe there is no place quite like this. While academic rigor and meticulous professional experiences are the hallmarks of an education at the Brook College of Health, there is very much a culture of caring. We are dedicated to providing the highest quality health care.

I hope you will take some time to learn more about the Brooks College of Health and all that we

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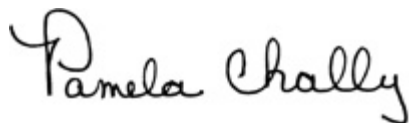
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have to offer. While exploring our program offerings, college news, alumni activities and faculty home pages, you will find that we are dedicated to providing the utmost in quality health care education.



Pamela S. Chally, PhD, RN  
Dean, Brooks College of Health  
University of North Florida  
pchally@unf.edu

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## Vision, Mission and Values of the College

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### Vision

To gain national recognition as a leader in the study of health and the preparation of health professionals through outstanding teaching, scholarship, and service.

### Mission

To develop competent and caring health professionals for the 21st century who are diligent in the pursuit of knowledge, make significant contributions to the communities and individuals that they serve, and become leaders of their chosen professions.

### Values

In the fulfillment of our mission, the Brooks College of Health upholds the following values:

**Collegiality:** We support a culture characterized by open communications, collaboration, and cooperation.

**Diversity:** We treat everyone in our diverse community with consideration, dignity and mutual respect.

**Excellence:** We hold each other to the highest standard of quality and performance.

**Fulfillment of Potential:** We are committed to development through lifelong learning.

**Integrity:** We conduct ourselves in an ethical and respectable manner.

**Professionalism:** We are role models of professionalism who always demonstrate the highest professional standards and caring attitudes for our clients.

**Quality:** We are dedicated to the never-ending pursuit of improving healthcare for the benefit of our patients.

**Responsibility:** We are responsible for our attitudes and actions.

**Service:** We provide service to our university, communities and professions.

**Well-Being:** We promote physical, emotional, and social well-being.

### Goals

- 1: Strengthen Quality and Reputation of Academic Programs
- 2: Increase Degree Productivity and Program Efficiency.
- 3: Increase the Number of Degrees Awarded in STEM and Other Areas of Strategic Emphasis.
- 4: Strengthen the Quality and Reputation of Scholarship, Research, and Innovation.
- 5: Increase Research and Commercialization Activity.
- 6: Increase Collaboration and External Support for Research Activity.

7: Strengthen the Quality and Recognition of Commitment to Community and Business.

8: Increase Levels of Community and Business Engagement.

9: Increase Community and Business Workforce.

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# Brooks College of Health

### Contact Information

**Location:** J. Brooks Brown Hall, Building 39  
**Phone:** (904) 620-2810  
**Fax:** (904) 620-1030

#### **Mailing Address:**

University of North Florida  
Brooks College of Health  
1 UNF Drive  
Jacksonville, Florida 32224-7699

#### **Dean's Office**

**Pamela S. Chally**, Ph.D., R.N., Dean  
(904) 620-2810; [pchally@unf.edu](mailto:pchally@unf.edu)

**Catherine Christie**, Ph.D., R.D., L.D.N., F.A.N.D., Associate Dean & Nutrition Graduate Program Director  
(904) 620-2810; [c.christie@unf.edu](mailto:c.christie@unf.edu)

**Lee B. Anderson**, Assistant Director, Development  
(904) 620-1286; [lee.anderson@unf.edu](mailto:lee.anderson@unf.edu)

**Heather Kenney**, Ed.D., Director, Academic Advising  
(904) 620-2812; [heather.kenney@unf.edu](mailto:heather.kenney@unf.edu)

**Rachel Martin**, M.A., Career Development Coordinator  
(904) 620-3497; [r.martin@unf.edu](mailto:r.martin@unf.edu)

**Tom Erdal**, Computer Technician  
(904) 620-1207; [terdal@unf.edu](mailto:terdal@unf.edu)

**Dianne Maros**, Administrative Assistant  
(904) 620-2810; [d.maros@unf.edu](mailto:d.maros@unf.edu)

**Dona Yazbeck**, Executive Secretary  
(904) 620-1201, [d.yazbec@unf.edu](mailto:d.yazbec@unf.edu)

**Theresa Bennett**, Budget Coordinator  
(904) 620-2810; [tbennett@unf.edu](mailto:tbennett@unf.edu)

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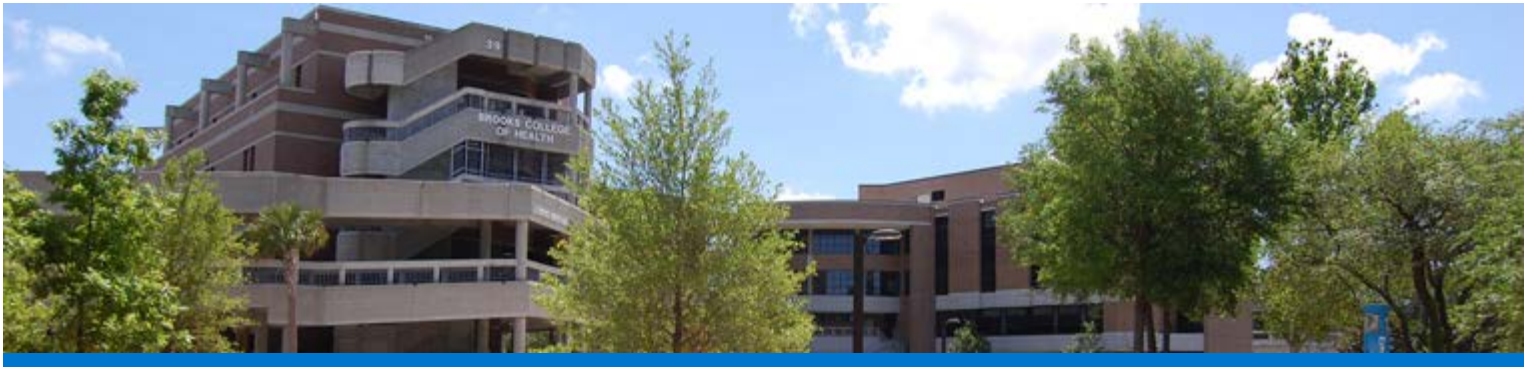
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# Brooks College of Health Academic Advising

**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](mailto:cohadvise@unf.edu)

## Undergraduate

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**Heather Kenney**, Ed.D. Director, Academic Advising

**Miwa Nguyen**, M.Ed, Assistant Director

**Debbie Kochanowski**, M.Ed; Academic Advisor

**LaShawna Harris**, M.A., Academic Advisor

**Stephanie McLarty**, Administrative Assistant

### 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 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

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- 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

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### Program Directors

**John P. McDonough**, Ed.D, C.R.N.A., Professor- Director, Nurse Anesthetist Program

**Michele Benarzyk**, D.N.P, F.N.P., B.C., Assistant Professor - Program Director, Nurse Practitioner/Clinical Nurse Specialist Program

**Gerald Hogan**, D.N.S.C., C.R.N.A., Assistant Professor - Director, Doctor of Nursing Practice Program

**Michele Moore**, Ph.D., Associate Professor- Director, Public Health Program

**Mei Zhao**, Ph.D., Associate Professor- Director, Health Administration Program

**JoAnn Nolin**, J.D., R.N., Associate Professor- Director, Aging Services Program

**Paul Mettler**, Ed.D., M.A., P.T., Associate Professor- Director, Physical Therapy Program

**Catherine Christie**, Ph.D., R.D., L.D./N., F.A.D.A., Professor- Director, M.S. Nutrition Program

**Claudia Sealey-Potts**, Ph.D., R.D., Assistant Professor- Director, Dietetic Internship Program

**Richmond Wynn**, Ph.D, Assistant Professor- Director, Clinical Mental Health Counseling Program

**James Churilla**, Ph.D., MPH, RCEP, Associate Professor- Director, Exercise Science & Chronic Disease

Graduate students work with their program directors to develop their initial programs of study. The BCH Advising Office is available for advising assistance.





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## Change of Major

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UNF students who want to change their major to a Brooks College of Health program must change the major within the Advising Office. The advisor will help the student change their major and review program requirements.

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## Concurrent or Transient Enrollment

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Any current UNF student interested in taking a course at another institution must receive permission from the Advising Office. Upper-level courses specific to the student's major must be approved by the program director. Students should fill out the electronic transient form prior to the semester they wish to take the course.

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## Degree Evaluation

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Each new upper-level transfer student and native UNF student must meet with the Brooks College of Health Academic Advising Office to review their degree evaluation. This meeting is mandatory and typically takes place prior to registration. Each admitted student or UNF student who reaches 60 credits will receive notification for a meeting. A Dean's Hold will be placed on the student's account to ensure they meet with Advising in a timely manner.

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## Graduation

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All students must submit an application for graduation to the Office of One-Stop Student Services or

on-line through myWings by the deadline established in the university calendar. Students should not enroll at another institution during their last semester at UNF. Graduation will most likely be delayed to the subsequent semester for students who do attempt concurrent enrollment in their last semester. Students may not graduate with "I" grades, even if the course(s) is not required for graduation. Official transcripts for graduating seniors taking courses at other institutions in their last semester must be received in the Office of One-Stop Student Services by the required deadline.

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## Limited Access Program

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The Brooks College of Health has several undergraduate programs that require specific requirements and procedures to gain admissions into the program. Bachelor of Science in Nursing, Bachelor of Science in Health with a concentration in Exercise Science, and Bachelor of Science in Athletic Training are limited access programs. For additional information, please see program specific admission requirements.

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## Probation/Suspension

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Undergraduate students who fails to earn a term GPA or cumulative GPA of 2.0 after attempting 12 or more credits hours will be placed on academic probation. Academic Probation is based on the student's UNF GPA. The student will stay on probation until their UNF cumulative and term GPA are above a 2.0. If a student is on probation and has a cumulative and term GPA below a 2.0, the student is eligible for suspension. Students who are suspended will be dropped from any courses they are currently registered.

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## Returning from Probation or Suspension

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Students on probation that go inactive after three 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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## Withdraw Policy

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Effective Fall 2013, there is a course withdrawal limit for all degree-seeking and non-degree seeking undergraduate students. The limit is six (6) UNF course withdrawals.

- Three (3) course withdrawals at the 1000/2000 level
- Three (3) course withdrawals at the 3000 level or above

Unused withdrawals are forfeited and may not be carried forward. After the withdrawal limit is reached, students will be blocked from further course withdrawals by the myWings registration system.

Any course withdrawals that took place prior to Fall 2013 do not count toward the limit. The withdrawal limitation only applies to courses taken in Fall 2013 or later. Courses with a grade of "WM" (Medical Withdrawal), "WS" (Military Service Withdrawal), or "WR" (Withdrawal with Refund) are excluded from the limitation policy. Students are encouraged to meet with their advisor prior to completing a course withdrawal if there are questions about how this will affect the academic record or future coursework options.

Please note that graduate students do not have a withdrawal limit.

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- [Health Science - Exercise Science, BSH](#)
- [Nutrition and Dietetics, BS](#)
- [Nursing - Nursing-RN, 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 Community Health and Exercise Science; Bachelor of Science in Nutrition; Bachelor of Health Administration; Bachelor of Science in Athletic Training; and a Bachelor of Science in Nursing with tracks for first-time-in-nursing students (Prelicensure) for registered nurses seeking to complete the baccalaureate degree (RN-BSN).

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## Clinical and Applied Movement Sciences

\*\* Note: Students completing the Clinical & Applied Movement Science minor may require an additional one or two semesters to satisfy requirements due to limited seats available in the minor courses and the courses are only offered once per academic year.

## Health Education

\*\* Note: This Health Education Minor is only available to Health Science major with Community Health concentration students.

## Public Health

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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

**John P. McDonough**, Ed.D., C.R.N.A., Professor- Director, Nurse Anesthetist Program

**Michele Benarzyk**, D.N.P., F.N.P., B.C., Assistant Professor - Program Director, Nurse Practitioner and Clinical Nurse Specialist Program

**Gerald Hogan**, D.N.S.C., C.R.N.A., Assistant Professor - Director, Doctor of Nursing Practice Program

**Michele Moore**, Ph.D., Professor- Director, Public Health Program

**Mei Zhao**, Ph.D., Associate Professor- Director, Health Administration Program

**JoAnn Nolin**, J.D., R.N., Associate Professor- Director, Aging Services Management Program

**Paul Mettler**, Ed.D., M.A., P.T., Associate Professor- Director, Physical Therapy Program

**James Churilla**, Ph.D., MPH, RCEP, Associate Professor, M.S.H Exercise Science and Chronic Disease Program Director

**Catherine Christie**, Ph.D., R.D., L.D.N., F.A.N.D., Professor- M.S.H. Nutrition Program Director

**Claudia Sealey-Potts**, Ph.D., R.D., Assistant Professor- Dietetic Internship Program Director

**Richmond Wynn**, Ph.D, Assistant Professor- Clinical Mental Health Counseling Program Director

## Graduate School

E-mail: [graduateschool@unf.edu](mailto:graduateschool@unf.edu)

J.J. Daniel Hall

Building 1, Room 2000

Telephone (904) 620-1360

Fax: (904) 620-1362

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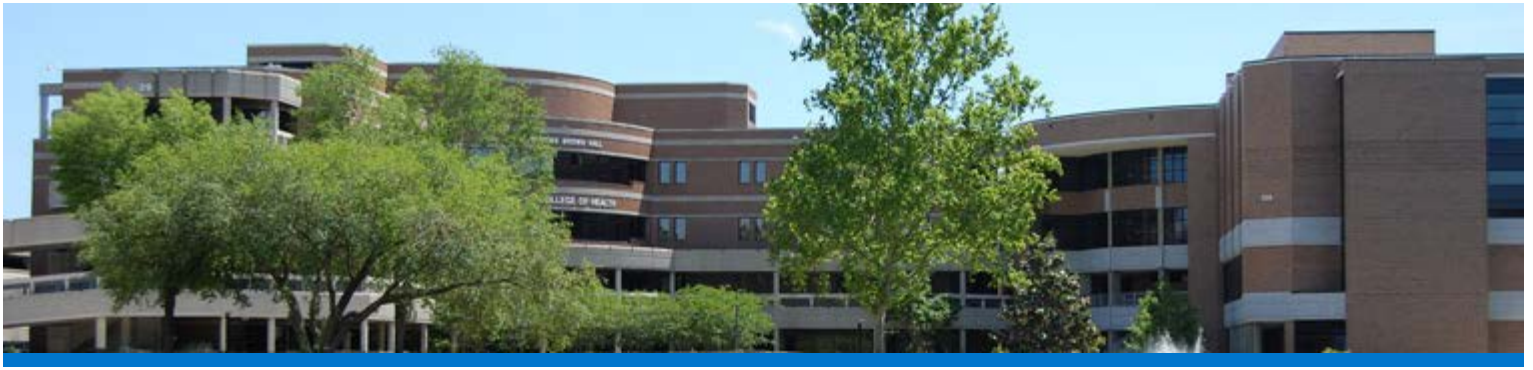
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## Graduate Transfer

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The residency requirement at UNF is 24 semester credit hours; 18 of which must be taken at the 6000 level. No student may earn a UNF graduate degree without 24 hours of UNF graduate course credit. It is also required that students earn a majority of credits toward their degrees at UNF.

Individual programs have particular requirements concerning transferring in credits; most graduate programs at UNF allow a student to transfer in approximately 20 percent of the overall graduate credits required for a degree (rounded up to the nearest number divisible by 3) from another regionally accredited institution, as allowable under the residency requirement and as approved on a course by course basis at the discretion of the appropriate graduate program director. Additional credits may be transferred in via special petition, subject to the approval of the appropriate graduate program director and the Graduate Dean. No student may transfer in more than 40 percent of the overall credits required for a degree.

A student who transfers in more than 20 percent of the credits required for a degree may not apply



any credits earned as a transient student (hours taken at another institution while the student is matriculating at UNF) toward fulfillment of that degree's requirements without prior approval of the appropriate graduate program director and the Graduate Dean. Students wishing to enroll in courses at another institution for the purpose of transferring credits into their graduate program of study must complete a "Concurrent Enrollment" form and have prior approval from the appropriate graduate program director.

Additional credit transfer conditions:

1. The student must have completed the course work subject to the time limits applicable to his or her current graduate program.
2. The student must have earned grades of 3.0 or higher in the courses.
3. The student is not entitled to apply transfer credits toward the 18 hour minimum of 6000-level courses required for all master's degrees.
4. The student is not entitled to transfer credit for correspondence courses, courses included in a completed degree program, or portfolio-based experiential learning that has taken place prior to admission to the current graduate program.

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## Transient Student Admission

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### 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.

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## Readmission of Inactive Students

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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 update their admissions applications with the Graduate School. They must do so at least six weeks before the beginning of the term in which they wish to enroll. They will be responsible for meeting any new general admissions requirements or program specific requirements.

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## Graduate Program Course Level

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Eighteen (18) 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, or (4) field-based coursework connected to teacher certification programs.

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## **Degree Completion within Six Years**

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 coursework for a doctoral degree must be completed within eight years. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

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## **Second Masters Residency**

For a second master's degree, at least 24 hours of UNF graduate coursework in residency is required. Coursework counted in the fulfillment of any other UNF degree requirements cannot be counted toward this second master's residency requirement.

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## **Graduate Program Independent Learning**

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.

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## **Credit Earned as Post-Baccalaureate**

A student may apply up to 10 hours of graduate course work taken at UNF as a post-baccalaureate. (Such credits will be included in the student's UNF graduate GPA.) The student must receive the approval of the Program Director, who will then inform The Graduate School.

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## **Graduate GPA Policy**

The Graduate GPA includes all graduate credits taken 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 taken as a post-baccalaureate student, when those hours are not counted toward fulfillment of degree requirements, are not counted in the construction of the Graduate GPA. Undergraduate credits, no matter when they are taken, are not counted. Transfer credits are not counted, with the exception of joint international degree programs. All graduate credits from these programs are used to calculate the graduate GPA.

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## **Satisfactory Academic Progress**

### **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 award of a graduate degree.

Graduate students who hold assistanships 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 will be considered 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, he or she earns a D or F in a graduate course in his or her 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.

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## **Dismissing a Student from a Graduate Program**

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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.

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## Graduate Dual International Degrees

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Effective fall 2010, 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.

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## Graduate Admissions

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(1) The following are the minimum requirements for admission to graduate programs at the University of North Florida.

- a. 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
- b. An earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

(2) Applicants who hold baccalaureate degrees from an international institution must submit a course-by-course degree evaluation from a UNF and NACES approved evaluation service or, on exception, a course-by-course evaluation performed by the University's International Center.

(3) Additionally, all applicants to master's programs must meet the following specific requirements:

- a. Each master's program may determine other requirements for admission (e.g., standardized test scores, written essays, an interview), consistent with their mission and purpose. Any additional admissions requirements so imposed by masters programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the program website area of the Graduate School for the masters program; further, such requirements shall be reviewed and updated annually.
- b. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.
- c. The submitted materials must be used in the context of a holistic credential review process.

(4) Additionally, all applicants to doctoral programs must meet the following specific requirements:

- a. Each applicant to a doctoral degree program shall present standardized test scores that are acceptable for the program to which the student is applying. Acceptable tests include the Graduate Record Examination (verbal, quantitative, and writing), the Miller's Analogies Test, or the GMAT, whichever is deemed most appropriate by the program. Students, including international students, who already have a graduate degree obtained from a regionally accredited institution in the same or in a related area are not required to take the standardized test unless it is required by the program.

b. Each doctoral program may determine other requirements for admission (e.g., letters of recommendation, a resume or a curriculum vita, a written essay, an interview) consistent with their mission and purpose. Any additional admissions requirements so imposed by doctoral programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the website area of the Graduate School for the program; further, such requirements shall be reviewed and updated annually.

c. The submitted materials must be used in the context of a holistic credential review process annually.

d. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.

(5) The University may grant a limited number of exceptions to those applicants who do not meet the basic admission requirements. All applicants requesting an exception must submit GRE, GMAT, or MAT scores, as appropriate, prior to making the request. Students granted an exception will be placed in a provisional admission status for the graduate degree program that they wish to enter. Continuation as a graduate student will depend upon successful completion of provisional admission requirements and any subsequent work.

(6) Applicants from countries where the official language is other than English must achieve the minimum required test scores on the TOEFL or University of Cambridge IELTS as set by the University of North Florida.

(7) The following are required of all applicants:

- a. Application for admission;
- b. Non-refundable application fee in the amount set forth by the university;
- c. Transcripts from each college attended, whether or not credits were earned;
- d. Standardized Test Scores - only if required by the individual graduate program.

(8) Admission to graduate study is granted on an individual basis with a review of the entire academic record of the applicant, including quality of past performance, standardized test scores (if required), appropriateness of work taken, and suitable professional experience. To ensure that all pertinent application materials are received in time, applications for admission must be received by the published deadlines of the university and of the program to which the application is being made.

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## **Graduate Certificate Programs**

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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. This is done 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 one-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.

Student pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing."

All 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, 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 apply to the Graduate School, and the specific certificate program, and pay a new application fee.

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 fifty 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 his or her degree program.

The graduate certificate is not viewed as a guaranteed means of entry 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.**

1. All students applying for graduate level certificate programs will submit an application to The Graduate School.
2. The Graduate School will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the graduate certificate program is dependent on student eligibility and, if required, departmental approval.

## **Certificate and Transcripts**

Once the 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 Registrar and the Office of Enrollment Services Processing. All materials required to print and package the completion documents will also be housed within the Enrollment Services Processing Office.







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## School of Nursing

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### Clinical Nurse Specialist (MSN)

The purpose of the M.S.N Clinical Nurse Specialist- Adult Gerontology (C.N.S) and Clinical Nurse Specialist- Women's and Children Health (C.N.S) prepare nurses to develop a concentrated area of knowledge and to teach in nursing and health profession programs, in healthcare institutions and agencies, and in the community. The program offers courses that provide for a solid foundation in teaching and learning. Specialty concentrations that we currently offer for this degree include Adult Gerontology, as well as Women's and Children's Health. The School of Nursing offers full- and part-time enrollment options for these CNS tracks.

#### Admission Requirements

Applicants to the CNS track must meet general University requirements for admission to graduate studies. In order to be considered for the CNS 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)
- GRE test scores within the last five (5) years
  - Prior to July 1, 2011: combined 1000 on verbal and quantitative portions, plus at least 3 out of 6 on the essay portion
  - After July 1, 2011: 153 verbal, 144 quantitative, and a minimum of 3.5 out of 6 on the essay portion
  - Applicants may submit a MAT score of 410 in lieu of a GRE
- Two years' experience as a Registered Nurse in a clinical setting (resume 1-2 pages in length that includes professional work experience with a brief explanation of each position's responsibilities);
- Written statement of academic and professional goals, which clearly indicates the specialty sought (typewritten in no smaller than 12pt font with 1" margins, not to exceed 3 pages);
- Current licensure as a Registered Nurse; out-of-state applicants will need to obtain FL licensure as a RN upon

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- admission to the program (copy of actual RN license);
- Successful completion of undergraduate Health Assessment, Statistics, and Research courses with a grade of "B" or better in each;
- Two (2) letters of reference, one professional and one academic, which address clinical skills and academic abilities;
- *An interview may be requested of the applicant at the discretion of the program.*

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## Nurse Anesthetist (MSN)

Nurse Anesthetist is a clinical specialty track within the School of Nursing. The nurse anesthetist curriculum is an extremely rigorous academic and clinical undertaking. It consists of a seven 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 Registered Nurse Practitioner (in nurse anesthesia) credential from the Florida Board of Nursing. Last admitted cohort is Fall 2014.

### Admission Requirements

Applicants to the MSN program must meet general University requirements for admission to graduate studies. In order to be considered for the Nurse Anesthetist 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
  - Prior to July 1, 2011: combined 1000 on verbal and quantitative portions, plus at least 3 out of 6 on the essay portion
  - After July 1, 2011: 153 verbal, 144 quantitative, and a minimum of 3.5 out of 6 on the essay portion
- A minimum of one (1) year experience as a Registered Nurse in an acute 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 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, not to exceed 3 pages)
- Current licensure as a Registered Nurse; out-of-state applicants will need to obtain FL licensure as a RN upon admission to the program (copy of actual RN license)
- Successful completion of undergraduate Health Assessment, Statistics, and Research courses with a grade of "B" or better in each
- Three (3) letters of recommendation 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.** *\*RNs who have a baccalaureate degree in a discipline other than nursing may also be eligible for admission through the MSN Bridge option. For these students the bridge courses are integrated into the Nurse Anesthetist Program curriculum, thus not lengthening the program of study. As an alternative, bridge courses may be taken prior to admission to the program and prior to beginning Nurse Anesthetist courses. (Copied from webpage).*

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## BSN-DNP Nurse Anesthetist

Nurse Anesthetist is a clinical specialty track within the School of Nursing. The nurse anesthetist 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 Registered Nurse Practitioner (in nurse anesthesia) credential from the Florida Board of Nursing. First cohort will be admitted Spring 2015.

### Admission Requirements

Applicants to the BSN-DNP CRNA track must meet general University requirements for admission to graduate studies. In order to be considered for the Nurse Anesthetist 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
  - Prior to July 1, 2011: combined 1000 on verbal and quantitative portions, plus at least 3 out of 6 on the essay portion
  - After July 1, 2011: 153 verbal, 144 quantitative, and a minimum of 3.5 out of 6 on the essay portion
- A minimum of one (1) year experience as a Registered Nurse in an acute 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 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, not to exceed 3 pages)
- Current licensure as a Registered Nurse; out-of-state applicants will need to obtain FL licensure as a RN upon

- admission to the program (copy of actual RN license)
- Successful completion of undergraduate Health Assessment, Statistics, and Research courses with a grade of "B" or better in each
- Three (3) letters of recommendation 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.**

*\*RNs who have a baccalaureate degree in a discipline other than nursing may also be eligible for admission through the MSN Bridge option. For these students the bridge courses are integrated into the Nurse Anesthetist Program curriculum, thus not lengthening the program of study. As an alternative, bridge courses may be taken prior to admission to the program and prior to beginning Nurse Anesthetist courses. (copied from webpage)*

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## BSN-DNP Family Nurse Practitioner

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.

\*\* Those who already hold MSN degrees should go to the post-MSN DNP and/or FNP Certificate webpages if interested in becoming a Family Nurse Practitioner.

The School of Nursing offers full- and part-time enrollment in this track. Please note that the Program of Study presented below is for the Master of Science in Nursing, Family Nurse Practitioner track, which no longer offers admission. This will appear until June 2014. For the upcoming BSN-DNP FNP curriculum, which will admit for Fall 2014.

### 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)
- GRE test scores within the last five (5) years
  - Prior to July 1, 2011: combined 1000 on verbal and quantitative portions, plus at least 3 out of 6 on the essay portion
  - After July 1, 2011: 153 verbal, 144 quantitative, and a minimum of 3.5 out of 6 on the essay portion
  - *Applicants may submit a MAT score of 410 in lieu of a GRE*
- Two years' experience as a Registered Nurse in a clinical setting (resume 1-2 pages in length that includes professional work experience with a brief explanation of each position's responsibilities)
- Written statement of academic and professional goals (typewritten in no smaller than 12pt font with 1" margins, not to exceed 3 pages)
- Current licensure as a Registered Nurse; out-of-state applicants will need to obtain FL licensure as a RN upon admission to the program (copy of actual RN license)
- Successful completion of undergraduate Health Assessment, Statistics, and Research courses with a grade of "B" or better in each
- Two (2) letters of recommendation, one professional and one academic, which address clinical skills and academic abilities
- *An interview may be requested of the applicant at the discretion of the program*

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## Post MSN Doctor of Nursing Practice

The [Doctor of Nursing Practice \(D.N.P.\)](#) 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 and on-campus formats.

### 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 DNP track include:

Masters degree in Nursing from a regionally accredited institution and program accredited by the NLNAC or CCNE  
 National certification in one of the following APRN roles: 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; and  
Two (2) letters of reference, one professional and one academic, which address clinical skills and academic ability.

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## Post Graduate Family Nurse Practitioner Certificate

The [Post Graduate Family Nurse Practitioner Certificate](#) is for individuals who currently have a master's degree in nursing and who want to obtain a certificate that will allow them to take the national certification examinations as a family nurse practitioner in order to practice in that capacity. In addition, individuals who are nationally certified as ANP, PNP, GNP, CNM, and WHNP may apply for this certificate program. Past education and current advanced practice experience will be considered when determining program requirements. Admission to this program is offered on a space-available basis. (copied from webpage)

### Admission Requirements

Applicants to the FNP Certificate program must meet general University requirements for admission to graduate studies. In order to be considered for the track, the interested applicant must meet these additional requirements:

- Graduate degree in Nursing from a nationally accredited program
- Minimum GPA of 3.5 on a 4.0 scale in the Masters program
- Two years' experience as a Registered Nurse in a clinical setting (resume 1-2 pages in length that includes professional work experience with a brief explanation of each position's responsibilities)
- Written statement of academic and professional goals (typewritten in no smaller than 12pt font with 1" margins, not to exceed 3 pages)
- Current licensure as a Registered Nurse in the state of Florida; out-of-state applicants will need to obtain FL licensure as a RN upon admission to the program (copy of actual RN license)
- Successful completion of undergraduate Health Assessment within the past 10 years
- Two (2) letters of reference, one clinical and one academic, which address clinical skills and academic abilities
- *An interview may be requested of the applicant at the discretion of the program* (copied from webpage)

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## Department of Public Health

### Master of Health Administration

UNF's [Health Administration Program](#), accredited by the Commission on the Accreditation of Healthcare Management (CAME), is designed to prepare students for careers in management and leadership in health services organizations. This 54-credit-hour program includes a combination of class room instruction and practical, real world experience; providing students with knowledge and skills essential for entry-level management roles or for advancement in established health care careers. To accommodate students' schedule, all the courses are offered in the evenings from 6:00-8:45pm. Graduates are typically employed in hospitals, doctors' offices, nursing care facilities, home health care services, 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. 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 one's reasons for pursuing graduate education in health administration, career objectives, and any other information he or she would want the 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 using the MHA Recommendation for Graduate Study form.
- Undergraduate Transcripts: An official transcript, indicating graduation from a regionally accredited college or university in this country or a recognized university abroad, is required. Applicants must have a minimum of a 3.0 grade point average in all undergraduate upper division work.
- Graduate Record Examination (GRE) score of at least 1000 or a minimum verbal score of 146 and a minimum quantitative score of 148 on the new GRE point scale; or a minimum 20 verbal and 22 Quantitative score on the Graduate Management Admission Test (GMAT) and a desired minimum total GMAT score of 500 (GRE / 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 or for applicants with more than ten years of increasingly responsible positions in the healthcare industry).

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: Students 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.

- 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: Students 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 judged primarily by a critical evaluation of their demonstrated academic ability and potential. Consideration is given to health care experience, motivation, and leadership potential.

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## 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 developing, planning, managing, or evaluating health promotion and disease prevention programs, or in conducting public health related research. The UNF MPH Program prepares students with a broad understanding of the core areas of public health combined with a focus on competencies specific to the health promotion and education concentration area. 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, work site wellness programs or school settings.

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 \(NBPHE\)](#). This certification is only available to graduates of CEPH accredited programs. 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 \(NCHCEC\)](#).

### Admissions Process

MPH Program admissions are handled by the UNF Graduate School (<http://www.unf.edu/admissions/applynow/>). The UNF MPH 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.

### Admission Criteria

Minimum admissions requirements for the M.P.H. Program are listed below. Each student shall:

- 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 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.
- Official transcripts from all attended institutions.
- GRE test scores: Prior to July 1, 2011: 1000 combined verbal and quantitative scores with no lower than 400 on either section; After July 1, 2011:153 verbal and 144 quantitative.
- Letter of intent describing:
  - reasons for seeking an MPH degree
  - short and long-term goals
- Resume
- Two letters of recommendations

Applicants not meeting the GRE or 3.0 minimum requirement may contact the Master of Public Health Program Director (Dr. Moore, [mmoore@unf.edu](mailto:mmoore@unf.edu)) for additional admission criteria options.

*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 Health (Specialization in Geriatric Management)

The mission of the University of North Florida's [Aging Services Management Program](#) is to prepare graduates for entry and mid-level administrative and management positions in organizations providing health and social services to the aging population. This program combines classroom theory, scholarly research, and community-based activity to establish a foundation for lifelong learning while contributing to the well-being of Northeast Florida's senior population.

### Admission Criteria

All applicants must have a bachelor's degree from a regionally accredited college or university. No specific undergraduate major is required. One prerequisite course is required: Principles of Financial Accounting (ACG2021). Each applicant must submit the following:

- Personal Statement: This is a brief essay (2-3 pages) outlining one's reasons for pursuing graduate education in Aging Services Management.
- Resume: Education and work background; honors; memberships in professional, school, and service organizations; etc.
- Undergraduate Transcripts: An official transcript, indicating graduation from a regionally accredited college or university in this country or a recognized university abroad, is required.
- GPA and GRE Scores: Applicants must have a minimum of a 3.0 grade point average in all undergraduate upper division work, and a minimum of 146 on the verbal and 147 on the quantitative sections of the current GRE. Combined verbal and quantitative scores from GRE's taken prior to fall 2011 must be a minimum of 850.



## Master of Science in Clinical Mental Health Counseling

The [Clinical Mental Health Counseling](#) degree program is designed to provide comprehensive training for the preparation of professional clinical counselors in a variety of mental health settings. Curricular experiences encompass opportunities to explore the life-span, social, and cultural foundations of behavior; practice psychotherapeutic and diagnostic skills; and complete extensive 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 licensure as a Licensed Mental Health Counselor (LMHC) 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/graduatestudies](http://www.unf.edu/graduatestudies)) 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.
- Applicants are required to take the GRE (Graduate Record Examination); a competitive GRE score is preferable. ETS conversion scores are used. See ETS website for the new [GRE Concordance Table](#) for verbal and quantitative conversion scores. Recent applicants had average GRE scores of 1066.
- Letter of Intent: Your responses should be typewritten, double spaced, 12-point font, and should not exceed 5 pages: (1) What motivates you to pursue a degree in clinical mental health counseling? (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 letters of reference are required. It is preferable to have at least one letter from a current or previous professor. Other letters 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, telephone interviews may be conducted for applicants living outside of the greater Jacksonville area.

## Department of Clinical and Applied Movement Sciences

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### Masters of Science in Health: Exercise Science and Chronic Disease

The [MSH in ESCD](#) is a graduate that degree integrates advanced training in exercise science and epidemiology. The field of Exercise Epidemiology examines the relationship(s) between physical activity, sedentary behavior and fitness level with chronic diseases ubiquitous in today's society. Students pursuing the MSH in ESCD are required to take seven exercise science and epidemiology core courses for a total of 24 credit hours. The remaining credits will be satisfied with nine credits of elective course work and either a six credit internship/project or thesis. Students must declare a thesis or non-thesis option upon acceptance into the program. The MSH in ESCD requires the completion of 39 graduate credit hours dependent upon the student's elective focus and can be completed in two years.

### Admission Criteria

UNF admits 15-20 students into the program each fall semester. To be considered for admission, students must apply to the program by June 1st (postmark) of the year for which they wish to be admitted. Prior to enrolling in MSH courses, students must fulfill the following:

- 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 may be admitted contingent upon successful completion of the bachelors' degree prior to enrolling in graduate courses.
- Completion of all prerequisite courses. Applicants who apply while still enrolled in prerequisite courses may 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. Students with a GPA below 3.0 may be admitted if they meet a higher GRE criterion.
- 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 new GRE (146 or higher on the verbal and 144 or higher on the quantitative) or a minimum combined score of 900 on the previous GRE (400 or higher on the verbal and 500 or higher on the quantitative) 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 new GRE (148 or higher on the verbal and 147 or higher on the quantitative) or a minimum combined score of 990 on the previous GRE (420 or higher on the verbal and 570 or higher on the quantitative) is required.Interview with MSH faculty. A phone interview is available for applicants with extenuating circumstances. Applicants may take HSC4612 (offered in fall semester only) and HSC3500 (offered every semester) at UNF

as a post-baccalaureate student. PET4550 (offered in spring semester only) is open to post-baccalaureate students on space available basis. Contact Brooks College of Health advising office at (904) 620-2812 regarding the post-baccalaureate application process. The three upper level courses are also offered at other Florida State Universities.

- Interview with MSH Program Director. Telephone or Skype 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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## Doctor of Physical Therapy

The [Doctor of Physical Therapy \(D.P.T.\)](#) 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. Full-time internships in the second and third years (totaling 34 weeks) allow students to apply this knowledge as they engage in reflective practice through sound clinical decision making under the direction of expert clinicians. Graduates 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 physical therapy program and deadlines for admission are available from the Department of Clinical & Applied Movement Sciences.

### Admission Requirements

- A baccalaureate degree from a regionally accredited college or university;
- 3.0 GPA or higher in all undergraduate coursework attempted, plus science [prerequisite](#) GPA and non-science [prerequisite](#) GPAs each of no less than 3.0;
- Completion of all science prerequisite coursework within 7 years prior to application, to include: 8 semester hours Biology 1 & Biology 2 with labs, 8 semester hours A& P 1 & 2 with labs, 8 semester hours Chemistry 1 & 2 with labs, 8 semester hours Algebra-based Physics 1 & 2 with labs, and 3 semester hours of Statistics;
- Five (5) of the eight (8) courses comprising the science GPA *must* be completed at the time of deadline;
- All prerequisites must be completed prior to entering the program, if admitted.
- Applicants who apply while still enrolled in prerequisite courses may be admitted contingent upon successful completion of all courses with a grade of **B** or higher in each course.
- GRE *revised* General Test scores, including the analytical writing portion, are required. To be competitive, a verbal score of at least **149** and a quantitative score of **146** are recommend. In addition, the analytical writing score must be at least **3.5** to be considered for admission.
- It is *recommended* that 80 hours of observation under the direct supervision of physical therapists in a variety of settings be completed before application if selected for interview. However, letters of verification are not required. Do not submit these to UNF as you apply; instead, you will discuss these *in person* at the interview if you are selected for one.
- Three (3) letters of recommendation are required and must be supplied on organizational letterhead to the UNF Graduate School. At least one (1) must be from a course instructor who can speak to the candidate's potential success in graduate level coursework. At least one (1) must be from a licensed physical therapist who can speak to the candidate's professional behavior. The third letter may be from either of the first two categories. These will not be accepted by the program through PTCAS.
- 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.
- A personal interview will be required for the top competitive candidates. Competitiveness is expected to vary from year-to-year.
- Students apply online through the [www.unf.edu](http://www.unf.edu) website. All materials needed for admission must be sent to the Graduate School. If you have any questions about applying, please contact the Graduate School at 904-620-1360.

### Admission Criteria

Students apply online through the [www.unf.edu](http://www.unf.edu) website, as well as with PTCAS at [www.ptcas.org](http://www.ptcas.org). Please consult the official program webpages through [www.unf.edu/brooks/movement\\_science](http://www.unf.edu/brooks/movement_science) for additional details about applying. If you have any questions about applying, please contact [ptadmissions@unf.edu](mailto:ptadmissions@unf.edu).

- Complete the UNF [online application](#) for graduate admission;
- Pay the UNF \$30 application fee
- Submit hardcopy, official, sealed transcripts from all institutions at which you were ever enrolled (this includes AP, CLEP, IB, and military transcripts) to the Graduate School at:  
University of North Florida  
Attn: Graduate School  
1 UNF Drive  
Jacksonville FL 32224
- Submit hardcopy, sealed, official GRE scores to the Graduate School (institution code is 5490); scores are only kept by ETS for a 5-year period and we now required the revised version of the exam.
- Complete the Physical Therapist Centralized Application Service (PTCAS) application and application fee at [www.ptcas.org](http://www.ptcas.org). Submit any observation hours and recommendation forms, as well as GRE scores and all official transcripts (separate from the ones submitted to the Graduate School) directly to PTCAS. Allow 4-6 weeks for processing.

Note: 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. Materials submitted to PTCAS may be confirmed online at [www.ptcas.org](http://www.ptcas.org). **Do not submit any materials directly to the Physical Therapy program unless specifically directed to do so.**



## Department of Nutrition & Dietetics

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### Master of Science in Nutrition and Dietetics/Dietetic Internship

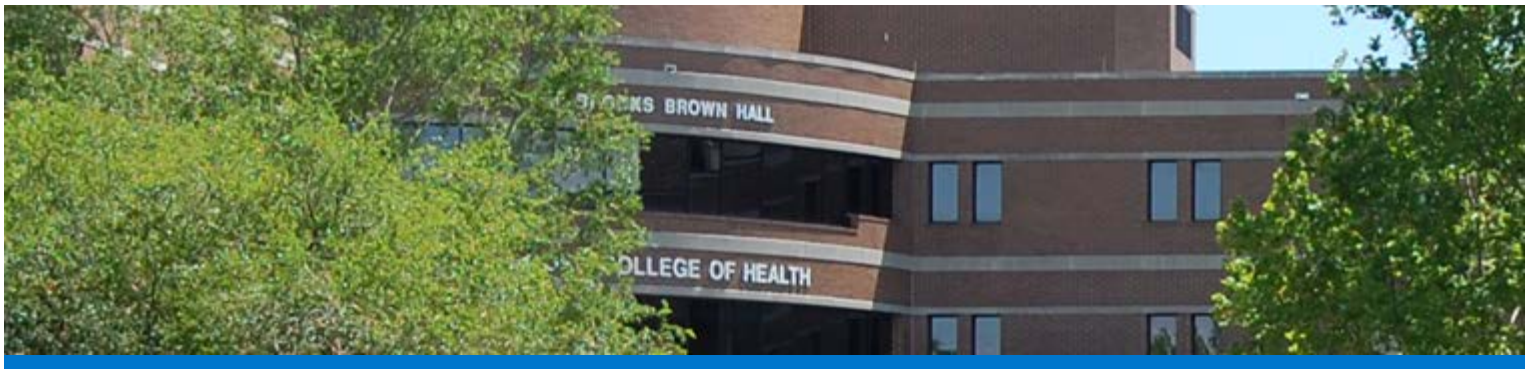
The [Master of Science in Nutrition and Dietetics/Dietetic Internship](#) is designed for those students who wish to emphasize the application of advanced nutrition knowledge in clinical or community based health programs. Fifteen students are admitted each fall to this 4-semester, full-time program. Students must complete both the Master's Degree and Dietetic Internship experience in order to receive a verification statement and sit for the National Registration Examination. There are three options to this 43- semester hour program: [Thesis option](#), [Non-Thesis option](#), or [Clinical Practicum](#) (Internship) option. 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 (formerly known as the American Dietetic Association): 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, Phone: 312-899-0040 ext. 5400.

#### **Master of Science in Nutrition and Dietetics/Thesis and Non-Thesis Options**

The Master of Science in Nutrition and Dietetics/Thesis or Non-Thesis options are for Registered Dietitians who wish to pursue graduate training with an emphasis in clinical or community dietetics. The coursework for all these programs is delivered using an accelerated distance learning format. These M.S./Nutrition thesis or non-thesis options allow students to pursue an independent research project as a culminating experience in their master's program or 12 pre-approved credits through a series of project, field experience, and independent study courses, respectively.

To view admission and degree requirements for the MS thesis and non-thesis programs [click here](#)



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# Brooks College of Health Graduate Degrees

- [Community Health - Health Promotion/Health Ed, MPH](#)
- [Health Administration, MHA](#)
- [Health Science - Aging Services Management, MSH](#)
- [Health Science- Exercise Science and Chronic Disease](#)
- [Health Science - Orthopaedic Physical Therapy, MSH](#)
- [Clinical Mental Health Counseling, MS](#)
- [Nursing- BSN-DNP Family Nurse Practitioner](#)
- [Nursing- BSN-DNP Nurse Anesthetist](#)
- [Nursing- Clinical Nurse Specialist- Women's and Children Health- MSN](#)
- [Nursing- Clinical Nurse Specialist- Adult Gerontology- MSN](#)
- [Nursing- Post MSN Doctor of Nursing Practice- DNP](#)
- [Nutrition & Dietetics, MS](#)
- [Physical Therapy, DPT](#)

## Graduate Programs

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The demand for highly educated men and women to fill a diversity of health related professional roles is rapidly increasing. The faculty of the Brooks College of Health is committed to meeting this need through high quality educational programs, research, and service that contribute to the knowledge base from which the solutions to contemporary health problems must be drawn. 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 four units: the Department of Public Health, the Department of Clinical and Applied Movement Sciences the Department of Nutrition and Dietetics, and the School of Nursing.

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## Doctoral Programs

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The Brooks College of Health offers two doctoral degree programs, a [Doctor of Nursing Practice \(D.N.P.\)](#) and a [Doctor of Physical Therapy \(D.P.T.\)](#). Both terminal degrees are clinical doctorates with an emphasis on evidence-based practice.

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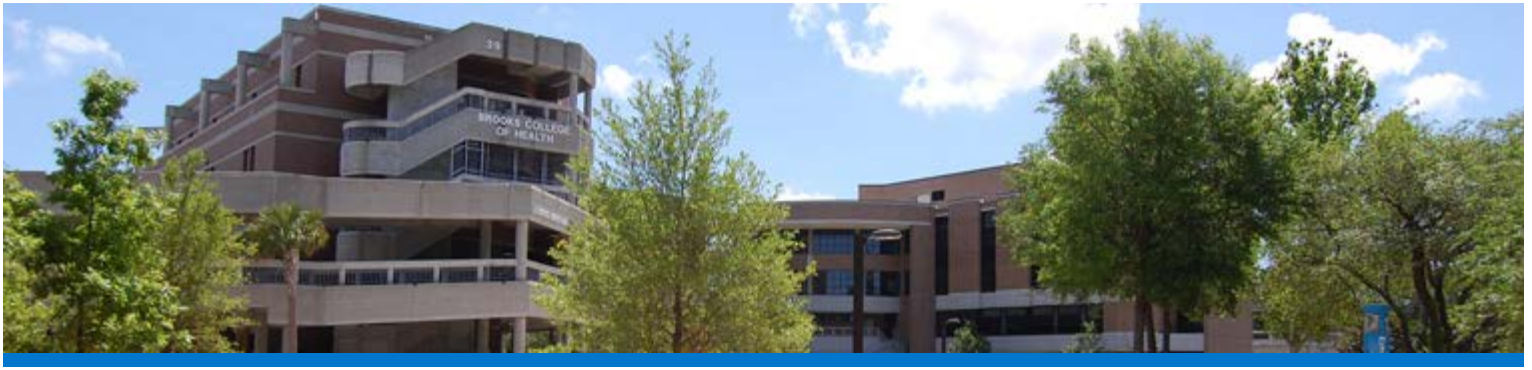
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# Brooks College of Health Graduate Certificates

## Aging Services Certificate

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The mission of the University of North Florida's [Aging Services Certificate](#) program is to provide graduate level coursework which will advance knowledge and skills for persons working in the aging services area as well as those interested in entering the field. The certificate program includes current, relevant study of aging theory, policy, research, and organizations that impact delivery of health and social services to an aging, multicultural population.

### Admission Requirements

All applicants must have a bachelors degree from a regionally accredited college of university. No specific undergraduate major is required. Applicants should apply online for the Aging Services Certificate.

- Personal Statement: This is a brief essay (2-3 pages) outlining one's reasons for pursuing admission to the Aging Services Certificate program.
- Resume: Education and work background; honors; memberships in professional, school, and service organizations; etc.
- Undergraduate Transcripts: An official transcript, indicating graduation from a regionally accredited college or university in this country or a recognized university abroad, is required.

## Family Nurse Practitioner Certificate

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This [Family Nurse Practitioner Certificate](#) program is for individuals who currently have a Master's in Nursing and want to obtain a certificate which will allow them to sit for the National Certification Examination as a Family Nurse Practitioner in order to practice in that capacity. In addition, individuals who are nationally certified as ANP, PNP, GNP, CNM and WHNP may apply for this certificate program. Past education and current advanced practice experience will be considered in determining program requirements.

### Admission Requirements

- Masters degree in Nursing from a regionally accredited institution with a program accredited by either the CCNE or NLNAC.
- Minimum GPA of 3.5 on a 4.0 scale in the MSN degree program.
- Current licensure as a Registered Nurse in the state of Florida (copy of actual RN license)

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Two years employment as a registered nurse in a clinical setting within the last 4 years (resume 1-2 pages in length that includes professional work experience with a brief explanation of each position's responsibilities).

- Written statement of academic and professional goals (typewritten in no smaller than 12pt font or equivalent with 1" margins (all sides), not to exceed 3 pages).
- Successful completion of a health assessment course within the past 5 years; any course older than that will be considered by the program coordinator on a case-by-case basis (inquiries regarding such should be directed to that contact and not to admission representatives).
- Clinical references and interview may be requested, but are not necessary unless specified by the program

**\*\*Admission will be handled on a space-available basis. Seats are first provided to those seeking MSN admission for the Nurse Practitioner track.**

## Public Health Certificate

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The Graduate [Certificate in Public Health](#) consists of five required courses. The Public Health Certificate (PHC) Program consists of five 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 UNF PHC Program is offered in a hybrid format - students can complete the program in one year meeting on campus one to two nights per week on average. The Program admits one cohort of students each fall semester. Each course is offered in one of three ways: 1) face-to-face; 2) distance learning (DL); or 3) hybrid. Face-to-face courses meet on UNF campus, typically one night per week, 6:00-8:45pm. DL courses are offered online. Hybrid courses are a combination of the first two methods, with no more than half of classes meeting face-to-face. This format makes the UNF PHC Program very accessible to those working full time while still providing meaningful interaction with faculty and peer.

### Special Notes about the Program

Students enrolled in any UNF graduate program may earn the Public Health Certificate, but students are not required to be admitted to a UNF graduate program. There are no pre-requisite courses required; individuals with a bachelor's degree in any field may be accepted into the PHC Program. 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 Requirements

- 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.
- Students enrolled in any UNF graduate program may earn the Graduate Certificate in Public Health, but students are not required to be admitted to a UNF graduate program. Acceptance into the Certificate program is dependent on student eligibility and space in the program. Students who have graduated from the Master of Public Health (MPH) program or are enrolled in the MPH Program are not eligible to earn the Certificate. Applications are accepted for fall term only.



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### Major: Athletic Training Degree: BS in Athletic Training

#### Prerequisites (25 credits)

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Must be completed with a grade of "C" or higher

BSC1010C General Biology I (4 Credits)

BSCX010/X010L are acceptable substitutes for BSC1010C

PHY2053/L Physics I with Lab (4 credits)

Precalculus (MAC 1147) (4 credits) or College Algebra (MAC 1105) (3 credits) and Trigonometry (MAC 1114) (2 credits) are prerequisites for Algebra-based Physics (PHY 2053/2053L) (4 credits).

PHYX053c, PHYX048c, and PHYX048/X048L are acceptable substitutes for PHY2053/2053L.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX093/X093L, PETX322C, ZOOX733C, APKX100C, and BSCX085/X085L are acceptable substitutes for BSC2085C. To take BSC2085c at UNF, the Biology department requires a grade of B or higher in BSC1010c.

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX094/X094L, PETX323C, PCBX703C, APKX105C BSCX086/X086L are acceptable substitutes for BSC2086C. To take BSC2086c at UNF, the Biology department requires a grade of B or higher in BSC2085c.

PSY2012 Introduction to Psychology (3 Credits)

PSYX012 is an acceptable substitute for PSY2012.

HUN2201 Basic Prin Human Nutrition (3 Credits)

HUNX941 and HUNX201 are acceptable substitutes for HUN2201.

STA2023 (GM) Elem Statistics-Business (3 Credits)

STAX122, STAX201 or STAX023 is an acceptable substitute for STA2023.

#### Major Requirements (60 credits)

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Must be completed with a grade of "C" or higher.

PET3603C Introduction Sports Medicine (3 Credits)

PET3620 Introduction Athletic Injuries (3 Credits)

PET3312C Biomechanics (3 Credits)

HSC4612 Exercise Physio For Health Sci (3 Credits)

PET3621C Orthopedic Taping and Bracing (3 Credits)

PET3670 Athletic Training Clinical I (3 Credits)

PET4632C Therapeutic Modalities (3 Credits)

PET4633C Orthopedic Injury Assessment I (3 Credits)

HUN4414 Nutrition Phys Act and Health (3 Credits)

PET3321 Gross Anatomy Athletic Trainer (3 Credits)

PET3671 Athletic Training Clinical II (3 Credits)

PET3624C Emergency Mgmt Athletic Trauma (3 Credits)

PET4634C Orthopedic Injury Assess II (3 Credits)

PET3660 Athletic Training Admin (3 Credits)

PET4630C Therapeutic Exercise (3 Credits)

PET4940 Clinical Practice in AT I (3 Credits)

PET4623 Rehabilitation Athletic Injury (3 Credits)

PET4933 Seminar in Athletic Training (3 Credits)

PET4947C Clinical Practice in AT II (3 Credits)

PET4625 Research Sports Med (3 Credits)



## Table of Contents

### Major: Health Science

### Concentration: Exercise Science

### Degree: Bachelor of Science in Health

#### Prerequisites (27 credits)

---

A B grade or higher in at least 3 of the following 4 prerequisites (MAC1105, CHM2045c, BSC2085c and BSC2086c) is required for admission. Remaining prerequisites must be completed with a cumulative GPA of 3.0 or higher. For additional admission requirements, visit [www.unf.edu/brooks](http://www.unf.edu/brooks).

**BSC2085C Human Anatomy and Physiology I (4 Credits)**

BSCX085/X085L, PETX322/X322L, and APKX100C are acceptable substitutes for BSC2085c. To take BSC2085c at UNF, the Biology department requires a grade of B or higher in BSC1010c.

**BSC2086C Human Anatomy & Physiology II (4 Credits)**

BSCX086/X086L, PETX323/X323L, and APKX105/X105L are acceptable substitutes for BSC2086c. To take BSC2086c at UNF, the Biology department requires a grade of B or better in BSC2085c.

**MAC1105 (GM) College Algebra (3 Credits)**

MACX105, MACX140, MACX147 and MACX311 are acceptable substitutes for MAC1105. P (passing) grade from Credit by exam (AP, CLEP) is acceptable for the minimum B grade requirement. Please see your advisor to reflect the approval on degree evaluation.

**CHEMISTRY General Chemistry I with Lab**

CHMX045/X045L and CHMX030 are acceptable substitutes for General Chemistry I with lab requirement.

**STA2023 (GM) Elem Statistics-Business (3 Credits)**

STAX023, STAX030 and MACX147 are acceptable substitutes for STA2023.

**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 (51 credits)

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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](http://www.unf.edu/brooks/movement_science/exercise_science.aspx)

**HSC4612 Exercise Physio For Health Sci (3 Credits)**

Recommended prerequisites: BSC2085c & BSC2086c

**HSC4615L Lab Meth Ex Phys Hlth Sci (3 Credits)**

Co-requisite: HSC4612

**PET3768C Exercise Instruction (3 Credits)**

**PET4625 Research Sports Med (3 Credits)**

**PET4627 Human Injury Prevention (3 Credits)**

**PET4550 Physical Fitness Assessment (3 Credits)**

Prerequisite: HSC4612

**PET3325 Functional Anatomy/Kinesiology (3 Credits)**

Prerequisites: BSC2085c & BSC2086c

**HSC3553 Pathophysiology (3 Credits)**



PET3771C Business/Pract in Ex Phys (3 Credits)  
PET3080 Physical Activity Epidemiology (3 Credits)  
HUN4414 Nutrition Phys Act and Health (3 Credits)  
APK4120C Clinical Exercise Physiology (3 Credits)  
Prerequisites: HSC4612, HSC4615L, & PET3080

PEP4135 Princ Strength/Conditioning (3 Credits)  
Prerequisites: HSC4612 & PET3312c

APK3115C Practical Skills in S and C (3 Credits)  
Prerequisites: HSC4612, PET3312c, PET3325, PET3768c  
Co-requisite: PEP4135

PET4943 Pre Internship Ex Sci (3 Credits)

- Must be completed in the semester immediately preceding PET4942 - Internship.

PET4942 Internship in Exercise Science (6 Credits)

- Must be completed in the last academic semester of enrollment.

### **Free Electives (9 credits)**

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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 (<http://www.unf.edu/brooks/athletic-physical/pt.html>).
- 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 9 hrs (1000-4000) Level

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### Major: Health Science

### Concentration: Exercise Sc. & Chronic Disease

### Degree: Master of Science in Health

#### Prerequisites

---

The requirements listed below are prerequisites for the Master of Science in Health (MSH)-Health Science major with Exercise Science and Chronic Disease (ESCD). The course numbers listed below are 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.

- BSC2085c - Human Anatomy & Physiology I with lab
- BSC2086c - Human Anatomy & Physiology II with lab
- CHM2045/2045L - General Chemistry I with lab
- STA2014 - Elementary Statistics

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#### Core Requirements (24 credits)

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APK6336 PA Epidemiology & Evid Review (3 Credits)  
APK6116C Exercise Phys & Lab Techniques (4 Credits)  
PHC6050 Public Health Biostats I (3 Credits)  
APK6111C Medical Exercise Physiology (4 Credits)  
APK6107C Cardiovas Ex Phys and ECG (4 Credits)  
APK6057 Research Methods in PA (3 Credits)  
PHC6003 Chronic Disease Epidemiology (3 Credits)

#### Internships (6 credits)

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Either a six credit internship, project, or thesis is required. Students must declare a thesis or non-thesis option upon acceptance into the program.

INTERN/PRO Internship/Project option

- APK6942 - Internship or Project in ESCD

THESIS Thesis option

- APK6972 - Thesis in ESCD

#### Major Electives (9 credits)

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Select Physical Activity Epidemiology focus or Exercise Physiology focus.

Students may select to take any combination of the major electives to meet the 39 credit hour program requirement. Other graduate level courses may be taken towards the major electives with approval of the MSH program director.

PA EPI Physical Activity Epi focus

- HSC6509 Nutrition Epidemiology
- EDA6930 Grant Development and Project Design
- HSC6906 Independent Study and Research
- APK6056 Special Topics in Physical Activity Epidemiology
- PHI5605 Ethics

EX PHYS Exercise Physiology focus

- NGR7154 Advanced Bioscience
- HUN6522 Advanced Public Health Nutrition
- HUN6123 Sociocultural Influences on Nutrition
- APK5332 Pharmacology for Chronic Diseases



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### Major: Physical Therapy Degree: Doctor of Physical Therapy

#### Prerequisites

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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)
- BSC1011C 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)

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PHT6110C Gross Anatomy for PT (6 Credits)  
PHT5005 Professional Practice Issues (2 Credits)  
PHT5257C Clinical Skills (3 Credits)  
PHT6153C Human Physiology (3 Credits)  
PHT6809 Clinical Education Prep I (1 Credit)

#### 2nd Semester (16 credits)

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PHT6267C Examination and Intervention (5 Credits)  
PHT6161C Neurosci I: Clin Neuroanat/Phy (4 Credits)  
PHT5806 Clinical Practicum (1 Credit)  
PHT6606C Clinical Inquiry I (3 Credits)  
PHT6126C Kinesiology (3 Credits)

#### 3rd Semester (8 credits)

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PHT6218C Therapeutic Modalities (3 Credits)  
PHT7551 Leadership in Physical Therapy (3 Credits)

PHT6734 PT Mngmt of the Integument (1 Credit)  
PHT6070 Imaging in Rehabilitation (1 Credit)

#### **4th Semester (16 credits)**

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PHT6318C Ortho I: Extremities (4 Credits)  
PHT6191C Neurosci II: Mtr Ctrl and Lrn (3 Credits)  
PHT6314C Neurology I: Path, Exam and Int (4 Credits)  
PHT6306 Pathology-Pharmacology (5 Credits)

#### **5th Semester (14 credits)**

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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)**

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PHT6941C DPT 2A Clinical (5 Credits)  
PHT6942C DPT 2B Clinical (5 Credits)

#### **7th Semester (15 credits)**

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Take PHT7617c - Clinical Inquiry III if selecting the research track.

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)**

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PHT7943C DPT 3A Clinical (5 Credits)  
PHT7944C DPT 3B Clinical (5 Credits)

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### Major: Nursing Concentration: Nurse Anesthetist Degree: Master of Science in Nursing

#### 1st Semester (16 credits)

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##### Fall semester

- NGR5172 Pharmacotherapeutics (3 Credits)
- NGR5141 Advanced Pathophysiology (3 Credits)
- NGR6421 Prin of Anesth Nursing I (2 Credits)
- NGR6400 Chem and Phy Anes Nsg-I (2 Credits)
- NGR5003C Health Assessment/Diagnostics (4 Credits)
- NGR6460 Pharm Anes Nsg I (1 Credit)
- NGR6492 Prof Asp of Anesthesiology Nur (1 Credit)
- NGR6431L Anesth Nursing Practicum I (1 Credit)

#### 2nd Semester (16 credits)

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##### Spring semester

- NGR6404 Adv Biosc Anes Nsg I (3 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)
- NGR5110 Theory Framework for Practice (3 Credits)
- NGR6493 Technology in Anesth Nursing (1 Credit)
- NGR6432L Anesth Nursing Practicum II (3 Credits)

#### 3rd Semester (13 credits)

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##### Summer semester

- NGR6490 Regional Anesthesia (2 Credits)
- NGR5810 Research Methods for EBP (3 Credits)
- NGR6423 Prin of Anesth Nursing III (2 Credits)
- NGR6433L Anesth Nursing Practicum III (6 Credits)

#### 4th Semester (15 credits)

---

##### Fall semester

- NGR6405 Adv Biosc Anesth Nursing II (3 Credits)
- NGR6970 Nursing Project (1-3 Credits)
- NGR6434L Anesth Nursing Practicum IV (8 Credits)
- NGR6494 Adv Mod Pain Mgt (3 Credits)

#### 5th Semester (11 credits)

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##### Spring semester

- NGR6424 Prin of Anesth Nursing IV (2 Credits)
- NGR6970 Nursing Project (1-3 Credits)
- NGR6435L Anesth Nursing Practicum V (8 Credits)

#### 6th Semester (12 credits)

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##### Summer semester

- PHC6412 Culture And Health (3 Credits)
- NGR6436L Anesth Nursing Practicum VI (8 Credits)
- NGR6970 Nursing Project (1-3 Credits)

#### 7th Semester (12 credits)

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Fall semester

NGR6491 Adv Anes Nsg Sem (3 Credits)

NGR6437L Anesth Nurs Practicum VII (8 Credits)

NGR6970 Nursing Project (1-3 Credits)



## Table of Contents

### Major: Nutrition & Dietetics Degree: Bachelor of Science

#### Prerequisites (32 credits)

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BSC2085c/2086c and HUN2201 must be completed with a grade of B or higher. The remaining prerequisites must be completed with a grade of "C" or higher.

MAC1105 (GM) College Algebra (3 Credits)

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

POS2041 Intro to American Government (3 Credits)

FSS1202 Food Fundamentals (3 Credits)

FSS1202L Food Fundamentals Laboratory (1 Credit)

HUN2201 Basic Prin Human Nutrition (3 Credits)

BSC1010C General Biology I (4 Credits)

BSC2085C Human Anatomy and Physiology I (4 Credits)

To take BSC2085c at UNF, the Biology department requires a grade of B or higher in BSC1010c.

BSC2086C Human Anatomy & Physiology II (4 Credits)

To take BSC2086c at UNF, the Biology department requires a grade of B or higher in BSC2085c.

CHEMISTRY General Chemistry I with Lab

CHM must be a General Chemistry I with Lab (CHM2045/2045L).

#### Requisites (4 credits)

---

Must be completed with a grade of "C" or higher

MCB2010C Microbiology (4 Credits)

To take MCB2010c at UNF, the Biology department requires a grade of B or higher in BSC1010c and a grade of C or higher in CHM2045/2045L.

#### Major Requirements (57 credits)

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Must be completed with a grade of "C" or higher

Nutrition Students must follow the Nutrition Course Sequence Guide in the Nutrition Program Student Handbook located at [http://www.unf.edu/brooks/nutrition/undergrad\\_programstudy.aspx](http://www.unf.edu/brooks/nutrition/undergrad_programstudy.aspx) to avoid delaying graduation.

It is the policy of the Department of Nutrition & Dietetics that a final course grade lower than "B" in HUN2201, BSC2085c or BSC2086c will prevent progress in the program until the course is taken over and a grade of "B" or better is earned. A grade lower than "C" in any of the other required nutrition program courses will prevent progression in the nutrition sequence until the course is taken over and a grade of "C" or better is earned. This could delay graduation by one year or longer.

BCH3023C Bioorganic Chemistry (4 Credits)

Take in Junior year/Fall semester

Prerequisite: CHM2045/2045L

HUN3230 Advanced Nutrition Science I (3 Credits)

Take in Junior year/Fall semester

Prerequisites: HUN2201 (a grade of B or better required) CHM2045/2045L,

BSC2085c/2086c (a grade of B or better required)

Co-requisites: FSS1202/1202L, BCH3023c (can be taken earlier)

HUN3800 Nutrition Sci Res and Ethic (3 Credits)

Take in Junior year/Fall semester

Prerequisites: STA2014, HUN2201 (a grade of B or better required)

HUN3403 Life Span Nutrition (3 Credits)

Take in Junior year/Fall semester

Prerequisites: HUN2201 (a grade of B or better required) & CHM2045/2045L

Corequisites:FSS1202 & FSS1202L (can be taken earlier)

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 (a grade of B or better required)

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, FSS1202L, CHM2045/2045L

Corequisite: FOS4041L

FOS4041L Food Science Lab (1 Credit)

Take in Junior year/Spring semester

Prerequisites: FSS1202, FSS1202L, CHM2045/2045L

Corequisite: FOS4041

HSA4111 U.S. Health Care System (3 Credits)

Take in Junior year/Summer semester

HSA3160 Health Care Marketing (3 Credits)

Take in Junior year/Summer semester

DIE3213 Nutrition Therapy I (3 Credits)

Take in Senior year/Fall semester

Prerequisites: HUN2201 (a grade of B or better required), BSC2085c/2086c (a grade of B or better required), CHM2045/2045L, FSS1202, FSS1202L, BCH3023c, HUN3403, HUN3230 & HUN3231

DIE4122 Management Of Food/Nutrition I (3 Credits)

Take in Senior year/Fall semester

Prerequisites: HUN2201 (a grade of B or better required), FSS1202/1202L, & MCB2010c

HUN4601C Nutrition Education (3 Credits)

Take in Senior year/Fall semester

Prerequisites: HUN2201 (a grade of B or better required), 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

HUN4016C Nutrition Counsel and Comm (3 Credits)

Take in Senior year/Spring semester

Prerequisites: HUN2201 (a grade of B or better required), HUN3230/3231

FSS4230 Quantity Food Preparation (3 Credits)

Take in Senior year/Spring semester

Prerequisites: FSS1202, FSS1202L, CHM2045/2045L & MCB2010c

Corequisite: FSS4230L

FSS4230L Field Exp-Food Qty Preparation (1 Credit)

Take in Senior year/Spring semester

Prerequisites: FSS1202, FSS1202L, CHM2045/2045L & MCB2010c

Corequisite: FSS4230



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### 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.

ACG2071 Prin Managerial Accounting (3 Credits)

ACGX071 and ACGX301 are acceptable substitutes for ACG2071.

ECO2023 Principles of Microeconomics (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

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.

A student who has already completed a medical terminology course is not required to take the HSA2530 Language of Healthcare course.

HSA2530 The Language of Healthcare (3 Credits)

#### Major Requirements (42 credits)

---

Must be completed with a grade of "C" or higher

- **\*\*New as of fall 2013\*\***Students electing to take Long Term Care Internship must add the Aging Services concentration. See a Brooks College of Health advisor.

HSA3111 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

HSA3113 Consumer Issues in Healthcare (3 Credits)

HSA3210 Long Term Care Administration (3 Credits)

HSA4150 Introduction to Health Policy (3 Credits)

HSA3191 Health Information Systems I (3 Credits)

HSA3340 Healthcare Human Resources (3 Credits)

HSA3383 Quality Mangement 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. You must petition to take coursework with the Internship.
- Students wishing to qualify for the HSA4941 Long Term Care Administration Internship must complete the concentration in Aging Services. See a Brooks College of Health advisor to add the concentration.

HSA4850 Health Admini 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.

- Students completing the 6 semester hour Health Administration Internship (HSA 4850) must take 12 semester hours of elective (total 4 courses). Up to 2 electives can be taken while interning.
- Students applying for the 9 semester hour Long Term Care Internship must complete the Aging Services concentration instead of the major electives.  
Required courses are
  - HSA3154 Aging Policy and Politics
  - GEY3004 Aging in America
  - GEY3503 Assisted Living Administration (available in fall and spring only)See a Brooks College of Health advisor to add the concentration.

SELECT 4 COURSES 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.

Registration restrictions on HSC courses are typically lifted in the Friday afternoon during the first week of registration (except for fall registration - restrictions will be lifted in August).

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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.

ACG2071 Prin Managerial Accounting (3 Credits)

ACGX071 and ACGX301 are acceptable substitutes for ACG2071.

ECO2023 Principles of Microeconomics (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

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.

A student who has already completed a medical terminology course is not required to take the HSA2530 Language of Healthcare course.

HSA2530 The Language of Healthcare (3 Credits)

### Major Requirements (42 credits)

---

Must be completed with a grade of "C" or higher

- **\*\*New as of fall 2013\*\***Students electing to take Long Term Care Internship must add the Aging Services concentration. See a Brooks College of Health advisor.

HSA3111 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

HSA3113 Consumer Issues in Healthcare (3 Credits)

HSA3210 Long Term Care Administration (3 Credits)

HSA4150 Introduction to Health Policy (3 Credits)

HSA3191 Health Information Systems I (3 Credits)

HSA3340 Healthcare Human Resources (3 Credits)

HSA3383 Quality Mangement 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 (9 credits)

---

Must be completed with a grade of C or higher.

- Students wishing to qualify for the HSA4941 Long Term Administration Internship must

successfully complete the Aging Services concentration and all pre-internship requirements prior to start of the internship.

- Students completing the Aging Services concentration but electing the HSA4850 Health Administration Internship instead of the HSA4941 internship must complete one major elective (3 credits).

#### 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
- HSA4941 Long Term Care Administration Internship (9 credits) - available in fall and spring only  
Prerequisites:HSA3154, GEY3004, GEY3503 650 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.

GEY3660 Aging Policy and Politics (3 Credits)  
formerly HSA3154 till spring 2015

GEY3004 Aging in America (3 Credits)

GEY3503 Assisted Living Admin (3 Credits)

#### **Major Electives (3 credits)**

---

Must be completed with a grade of C or higher.

- Students electing the HSA4941 Long Term Care Administration Internship are not required to take any major electives.
- Students completing the Aging Services concentration but electing the HSA4850 Health Administration Internship instead of the HSA4941 internship must complete one major elective (3 credits).

#### 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.



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### Major: Health Science Concentration: Community Health Degree: Bachelor of Science in Health

#### Prerequisites (25 credits)

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Must be completed with a grade of "C" or higher

PSY2012 Introduction to Psychology (3 Credits)

MAC1105 (GM) College Algebra (3 Credits)

STATISTICS Elementary Statistics Course

Recommend STA 2014 or STA 2023

CHEMISTRY General Chemistry I with Lab

CHM must be a General Chemistry I with Lab (CHM2045/2045L).

CHM1025c or CHM1032c does not satisfy the General Chemistry I requirement.

MCB2010C Microbiology (4 Credits)

MCB X010C or any Microbiology with lab To take MCB2010c at UNF, the Biology department requires a grade of B or higher in BSC1010c and a grade of C or higher in CHM2045/2045L.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSX X085C or any Human Anatomy and Physiology I course To take BSC2085c at UNF, the Biology department requires a grade of B or higher in BSC1010c.

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSC X086C or any Human Anatomy and Physiology II course To take BSC2086c at UNF, the Biology department requires a grade of B or higher in BSC2085c.

#### Informational Text

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Effective fall 2013, Community Health program students must follow the following program policies.

- Students are allowed a maximum of two attempts at all requisite, core, major, and minor courses in the Community Health program. If a student does not successfully pass one of these courses with a grade of C or better at the second attempt, he or she will be dismissed from the Community Health program and not readmitted. Attempts include: receiving a passing, failing, or incomplete grade, and taking the course at another institution.
- A student will be denied admission or re-admission to the Community Health program if he or she is on either probation or suspension, or has left the university on either probation or suspension.
- Community Health students are required to complete all major requirements (HSC3032, 3713, 3304, 4800, and 4814) at UNF. Students will not be given credits toward the major for these courses if they are taken at another institution.

#### Requisites (3 credits)

---

Must be completed with a grade of "C" or higher

HSC2100 Personal and Community 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 Research in Community Health (3 Credits)

Prerequisite: STA2014 or STA2023

HSC3555 Human Diseases (3 Credits)

Prerequisites: BSC2085c and BSC2086c

HSA4553 Health Law and Ethics (3 Credits)  
HSC4210 Environmental Health (3 Credits)

### Major Requirements (18 credits)

---

Must be completed with a C grade or better

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). You must petition to take any Electives with internship.

- The Community Health Course Offering Guide is available in the Advising Office and online at [www.unf.edu/brooks](http://www.unf.edu/brooks).
- After starting HSC3032 Foundations of Community Health course, the Community Health Program is a 2-year long program.

HSC3032 Foundations of Comm Health (3 Credits)

Prerequisites: successful completion of all program prerequisites effective spring 2013 term. Offered in fall and spring semesters only

HSC3713 Plan and Eval Health Programs (3 Credits)

Prerequisites: HSC3032 and HSC4730. Offered in fall and spring semesters only.

HSC3304 Instruct Methods in Health Edu (3 Credits)

Prerequisites: HSC3032 and HSC3713. Offered in fall and spring semesters only.

HSC4800 Comm Health Pre-Internship (3 Credits)

- Prerequisites: Completion of all program prerequisites.
- HSC4800 must be completed the semester prior to HSC4814.

HSC4814 Community Health Internship (1-9 Credits)

- Must be completed in the last academic semester of enrollment.
- Internship placement sites outside Jacksonville area are not available. Exceptions are granted in the rare cases of extenuating circumstances and are left to the discretion of Internship Advisory Committee.

### Minor Required

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Health Education minor is required for the Community Health concentration.

Please refer to Health Education Minor listing in undergraduate catalog for the requirements.

Additional minors may be chosen from outside of the Brooks College of Health, however they are not required.

See your advisor to add the Health Education minor.

### Major Electives (9 credits)

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Major Electives must be completed with a grade of "C" or higher at the 3000/4000 level.

SELECT 3 Courses with HSC/HSA Prefix

Electives must be 3000/4000 level courses.

Registration restrictions on HSA courses are typically lifted in the Friday afternoon during the first week of registration (except for fall registration - restrictions will be lifted in August).

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### Minor: Public Health

#### Minor: Public Health (15 credits)

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HSC3500 Epidemiology (3 Credits)

Prerequisite: STA2014 or STA2023 - Elementary Statistics

HSA4111 U.S. Health Care System (3 Credits)

HSC4210 Environmental Health (3 Credits)

HSC3032 Foundations of Comm Health (3 Credits)

Contact Brooks College of Health advising office prior to registration for an override.

#### SELECT ONE ELECTIVE

3000/4000 level Health Courses related to the student's area of interest in consultation with an academic advisor. Select a course with HSC or HSA prefix offered by the Department of Public Health only.

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### 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 (48 credits)

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HSA5177 Health Care Finance (3 Credits)  
HSA6114 Health Organization/Delivery (3 Credits)  
HSA6186 Healthcare Leadership (3 Credits)  
HSA6435 Health Economics (3 Credits)  
HSA6198 Health Information Technology (3 Credits)  
HSA6196 Quantitative Analysis Health (3 Credits)  
HSA6905 Health Policy (3 Credits)  
HSA6385 Quality Management Health Care (3 Credits)  
HSA6149 Health Planning and Marketing (3 Credits)  
HSA6427 Health Law (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)  
HSA6118 Org Theory/Behavior in Health (3 Credits)

SELECT ONE OPTION:

For a total of 3 hours:

- HSA 6815 Pract: Exec Skill Development (3 credits)
- HSA 6945 Long Term Care Internship (3 credits)
- HSC 6970 Thesis (3 credits)

#### Electives (6 credits)

---

SELECT TWO COURSES FROM THE FOLLOWING

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. MAN and PAD courses will require approval from their respective programs.

For the first year Masters of Health Administration students, if you have no healthcare work experience, the following course would be great elective: HSA6940 MHA Internship (3 credits).

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### Major: Community Health

### Concentration: Health Promotion/Health Ed

### Degree: Master of Public Health

#### Core Requirements (21 credits)

---

PHC6102 Public Health Policy and Manag (3 Credits)  
HSC6215 Environmental Health (3 Credits)  
HSC6505 Epidemiology (3 Credits)  
PHC6050 Public Health Biostats I (3 Credits)  
HSC6603 Theory of Health Behavior (3 Credits)  
HSC6735 Health Science Research (3 Credits)  
PHC6103 Public Health Practice (3 Credits)

#### Concentration Requirements (15 credits)

---

HSC6585 Hlth Promo/Hlth Edu Strategies (3 Credits)  
HSC6587 Program Plan Hlth Promo/Edu (3 Credits)  
HSC6716 Health Program Evaluation (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 (9 credits)

---

Electives may be selected from HSA, HSC, or PHC courses. Other graduate level courses may be taken with approval of the MPH Program Director.

SELECT 3 courses with HSA/HSC/PHC

## Table of Contents

### Major: Health Science Concentration: Aging Services Management Degree: Master of Science in Health

#### Prerequisites

---

Students entering this program without an undergraduate degree in health administration or business administration must complete prerequisite course work in Financial Accounting (ACG2021).

#### Core Requirements (12 credits)

---

HSA6225 Long-Term Care Administration (3 Credits)  
GEY6103 Aging Health Multicultural Soc (3 Credits)  
GEY6623 Aging and Health Policy (3 Credits)  
GEY6409 Applied Research in Aging (3 Credits)

#### Major Requirements (18 credits)

---

HSA5177 Health Care Finance (3 Credits)  
HSA6114 Health Organization/Delivery (3 Credits)  
HSA6186 Healthcare Leadership (3 Credits)  
HSA6342 Healthcare Human Resources (3 Credits)  
HSA6425 Health Law (3 Credits)  
HSA6385 Quality Management Health Care (3 Credits)

#### Capstone Experience (6 credits)

---

SELECT ONE CAPSTONE OPTION

- HSA 6945 Long Term Care Internship (includes pre-internship module)
- HSA 6813 Aging Capstone (may be completed for 3 semester hours over two terms, or for 6 semester hours over one term)

#### Major Electives (3 credits)

---

SELECT ONE ELECTIVE

Elective course may be selected from GEY, HSA, HSC, PHC, MAN and PAD courses. Course from other areas may be taken with Program Director approval.

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### Major: Clinical Mental Health Couns

### Degree: Master of Science

#### Informational Text

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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.
- Apply for graduation on-line through myWings or in the One Stop Student Services Office by the fourth week of the semester you are graduating. See university catalog for specific deadlines.
- It is mandatory to follow the program course sequence. You must contact the program director for any changes in course sequence to be considered.

#### Major Requirements (48 credits)

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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)  
MHS6070 Psychopathology (3 Credits)  
MHS6428 Counseling Diverse Populations (3 Credits)  
MHS6510 Group Counseling (3 Credits)  
MHS6205 Assessment and Evaluation (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)

#### Major Electives (12 credits)

---

SELECT 12 HOURS FROM THE FOLLOWING:

- MHS6402 Overview of Brief Counseling
- MHS6430 Introduction to Family Counseling
- MHS6431 Adv. Seminar in Family Counseling
- MHS6436 Counseling Military Families
- MHS6440 Counseling Couples
- MHS6500 Advanced Practice in Group Therapy
- MHS6610 Clinical Supervision in Counseling
- MHS6916 Conceptual/Research Independent Study in CMHC
- MHS6930 Special Topics in Counseling



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**Major: Public Health Certificate**  
**Degree: Post-Baccalaureate Certificate**

### Certificate Requirements (15 credits)

---

- HSC6215 Environmental Health (3 Credits)
- HSC6505 Epidemiology (3 Credits)
- HSC6603 Theory of Health Behavior (3 Credits)
- PHC6102 Public Health Policy and Manag (3 Credits)
- PHC6050 Public Health Biostats I (3 Credits)

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**Major: Aging Services Certificate**

**Degree: Post-Baccalaureate Certificate**

### Certificate Requirements (15 credits)

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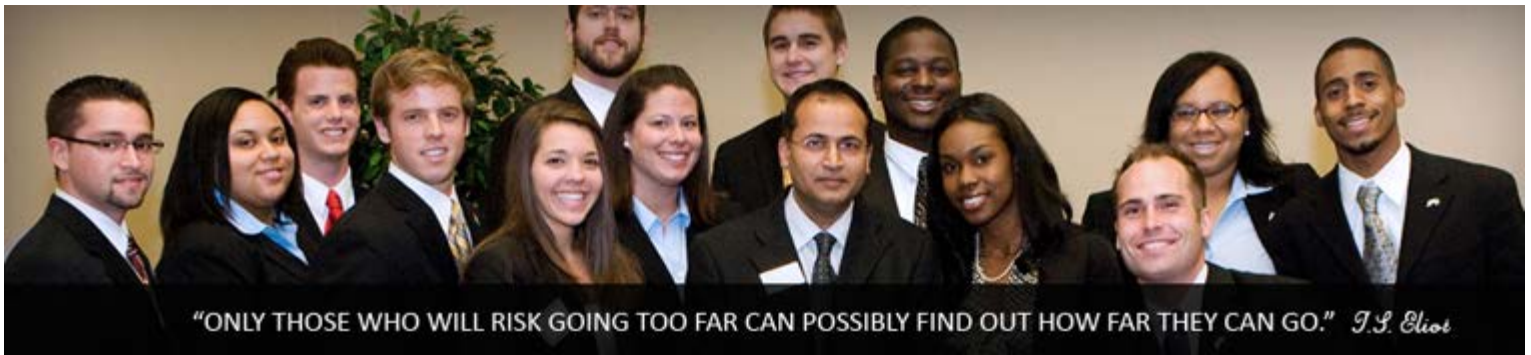
HSA6225 Long-Term Care Administration (3 Credits)

GEY6103 Aging Health Multicultural Soc (3 Credits)

GEY6623 Aging and Health Policy (3 Credits)

GEY6409 Applied Research in Aging (3 Credits)

HSA6813 Aging Capstone (3-6 Credits)



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## Dean's Message

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Welcome to the Coggin College of Business at the University of North Florida. We are well-known for strong undergraduate and masters programs complemented by transformational learning opportunities. In 2013, we were named an outstanding business college by the Princeton Review for the 7th year in a row.

Our faculty are accomplished researchers, well-known in their areas of expertise and beyond. Our bachelor's degree programs in accounting, economics, finance, financial services, international business, logistics, management and marketing are vibrant and growing. In fact, two of our programs (International Business and Transportation & Logistics) have flagship designation. This an indication of outstanding program quality, national recognition and a global talent pool of faculty and students. Our graduate programs include an MBA, Global MBA, Global Entrepreneurship MBA, and Masters in Accounting. Of course, we have AACSB accreditation in business and in accounting for our undergraduate and graduate programs. AACSB accreditation is the international gold standard for quality academic programs in business management.

Some of the transformational learning opportunities that we offer are internships (arranged by our in-house Career Management Center), study abroad in Africa, Asia, Europe and South America, and state of the art business computing technology. Our Logistics Lab has cutting edge optimization software and our Financial Trading Lab is equipped with the best trading simulation software. For hands on learning experience with investing, our students manage the Osprey Fund and compete with the finest minds in the business. Capitalizing on our location in the thriving Jacksonville metropolitan area, we have partnerships with national accounting firms, financial institutions, insurance companies, transportation companies and medical services providers, among others. Much of this interaction is via an active and engaged Business Advisory Council and a Business Associates Council.

Our business centers, which supplement academic research and support the community with business and economic data include the Bank of America Institute, Center for International Business Studies, Institute for Management Development and Organizational Quality, Local Economic Indicators Project, the Paper Institute, the Research Center in Economic and Geographic Information Systems, Center for Sustainable Business Practices and the Small Business Development Center.

I urge you to explore beyond our website and visit us at the Coggin College. We will be delighted to meet you and show you what we have to offer.

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Ajay Samant, Ph.D.

Dean & Professor of Finance  
Coggin College of Business  
University of North Florida

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## Accreditation

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The Coggin College of Business is fully accredited at both the undergraduate and graduate levels by [AACSB International](#) – The Association to Advance Collegiate Schools of Business. Further, the Accounting programs at both the undergraduate and graduate levels have received separate accreditation by AACSB International – The Association to Advance Collegiate Schools of Business. AACSB is the premier accrediting agency for business schools internationally with only 620 business schools holding this distinction and only 177 accounting programs holding this distinction.



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## Mission

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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

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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.

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## Values

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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

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Each student enrolling in one or more Coggin College of Business courses numbered 3000 or higher is assessed a fee each semester. In return, each student is able to pick up a copy of The Wall Street Journal (WSJ) from locations within the College. Moreover, each student will receive access to all of the WSJ's online editions (e.g., European, Asian), as well as Barron's online and the WSJ Employment Edition. Additional information is available at <http://www.unf.edu/coggin/advising/wsj.aspx>.

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## Jacksonville Business Journal Partnership

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UNF's Coggin College of Business is proud to have partnered with the *Jacksonville Business Journal*. Every Coggin College of Business Student has online access to the Jacksonville Business Journal. This publication puts the students finger on the pulse of the local business community with access to: Exclusive Job Prospecting, Comprehensive Curriculum Supplement, Quick Research, User-Friendly pages that are also Eco-Friendly (online). Additional Information is available at <http://www.unf.edu/coggin/advising/jbj.aspx>.

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# Coggin College of Business

## Contact Information

**Location:** Building 42  
**Phone:** (904) 620-2590  
**Fax:** (904) 620-2594

### Mailing Address:

University of North Florida  
Coggin College of Business  
1 UNF Drive, Building 42  
Jacksonville, Florida 32224-7699

**Website:** <http://www.unf.edu/coggin/>

### Dean's Office

**Location:** Building 42 | Room 2010

**Ajay Samant, Ph.D.,** Dean & Professor of Finance  
(904) 620-2590; [ajay.samant@unf.edu](mailto:ajay.samant@unf.edu)

**C. Bruce Kavan, Ph.D.,** Associate Dean  
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**Cheryl S. Campbell, MBA,** Director, Student Services  
(904) 620-2575; [cheryl.campbell@unf.edu](mailto:cheryl.campbell@unf.edu)

**Kathy Wohlhuter, CFRE,** Director of Development  
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(904) 620-1515; [rdavis@unf.edu](mailto:rdavis@unf.edu)

**Shannon Italia, MBA,** Director, Career Management Center, Coggin College  
(904) 620-2067; [sitalia@unf.edu](mailto:sitalia@unf.edu)

**Steven Paulson, Ph.D.** Director, International Business Flagship Program  
(904) 620-1541; [spaulson@unf.edu](mailto:spaulson@unf.edu)

### Academic Advising

Building 42 | Room 2021  
(904) 620-2575  
(904) 620-2594 Fax

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**Career Management Center**

Building 42 | Room 2021

(904) 620-2067

(904) 620-2832 Fax

**Department of Accounting & Finance**

Building 42 | Room 3002

(904) 620-1667

(904) 620-3861 Fax

**Department of Economics & Geography**

Building 42 | Room 3003

(904) 620-2640

(904) 620-1300 Fax

**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

(904) 620-2782 Fax

**International Business Programs**

Building 10 | Room 2125

(904) 620-2521

(904) 620-5864 Fax





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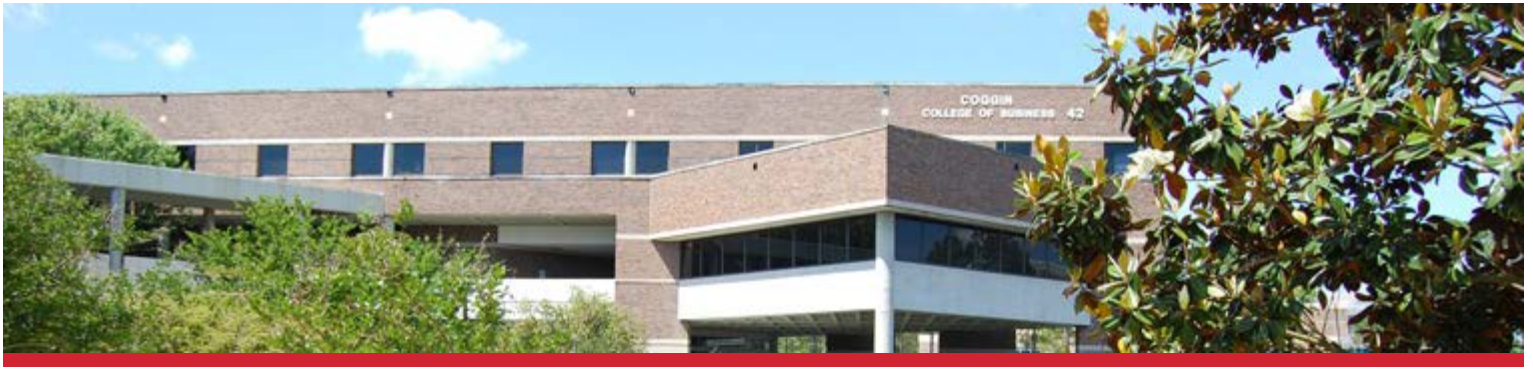
The Coggin College of Business cares about the success of our students. We encourage all students to visit our office during non-registration periods for a shorter wait time. We hold regular information sessions called Coggin Connection, where we try to orient all students to the benefits of being a Coggin College student. All of our advisors are well trained in all of our majors in the Bachelor of Business Administration degree program.

Each degree seeking student must have an official degree evaluation and academic Osprey Map filed with the [Student Service Center](#) of the Coggin College of Business. Students should meet with an advisor concerning their program requirements as early as possible, preferably before registration for their first semester at UNF. Degree Evaluations (previously known as Programs of Study) are prepared after students' transcripts have been evaluated by the Office of Admissions. The Coggin College of Business Student Service Center is located in Building 42, Room 2021, (904) 620-2575. Visit our Web page at [www.unf.edu/coggin/advising](http://www.unf.edu/coggin/advising).

# Coggin College of Business Graduate Academic Advisement

The Coggin College of Business MBA students tend to have very busy careers as they take classes part-time. We require all students to attend an orientation held just before the start of each semester. We try to orient all MBA students to the best plan for course selection that usually revolves around a busy work & home life. Select advisors are well trained in the policies and procedures involved in completion of the degree.

Each MBA student has an online official degree evaluation that makes course requirements very easy to understand. Students should email or call an advisor concerning their program requirements as early as possible, preferably before registration for their first semester at UNF. Degree Evaluations (previously known as Programs of Study) are prepared after students' transcripts have been evaluated by the College. The Coggin College of Business Student Service Center is located in Building 42, Room 2021, (904) 620-2575. You may email an advisor at [cheryl.campbell@unf.edu](mailto:cheryl.campbell@unf.edu).



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The [Coggin College of Business](#) adheres to all academic policies and regulations of the University. In addition, the policies listed below apply to all undergraduate students in the Coggin College of Business. Individuals needing clarification of any of these policies, or an interpretation of how a policy might apply in a given situation, should contact the Student Service Center in the Coggin College of Business, located in Building 42, Room 2021, (904) 620-2575. Please see your Academic Advisor if you do not see the policy that applies to your specific situation.

## Admissions Policy

Transfer students are admitted into the Coggin College of Business if they satisfy the following:

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(note: the conditions outlined below may be overridden by the university's admission policy)

- Completion of 60 semester or 90 quarter hours at an approved institution
- Attainment of an overall average of "C" (2.0 on a 4.0 scale) and a minimum 2.0 grade point average at the last institution attended. All transfer credit must be evaluated to ensure that the course work is current and appropriate.

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## Exception Policy

Students who do not meet the minimum criteria above may be admitted on probation with special restrictions. The Coggin College of Business carefully evaluates the students' academic records, may ask for additional documentation, outlines restrictions that students must meet, and makes the final decision on admission or denial. Conditions for admission/readmission are monitored by an academic advisor, and students who do not meet the probationary restrictions will be suspended.

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## Admission from a Non-Degree or Special Student Status

Students seeking a BBA degree from the Coggin College of Business should meet all admission deadlines and policies and enroll as degree-seeking students. Students who are permitted to enroll as non-degree/non-admitted students may apply after one semester to be Coggin College of Business degree-seeking students. This application must be made early enough to allow students to be accepted as degree-seeking students prior to taking any additional UNF course work. In no case should a student continue in a non-degree/non-admitted status beyond one term. These students are subject to all college admission requirements. No more than 12 semester hours earned as a non-degree /non-admitted student may be transferred to an undergraduate degree program in the college. Students enrolling in a non-degree/non-admitted status will not be allowed to take upper-level business courses until all prerequisites have been satisfied.

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## Attendance Policy

Effective Fall 2003, students are required to attend the first class meeting. Registered students not attending the first day of class may be dropped from the course at the instructor's discretion. Students with extenuating circumstances beyond their control, must notify the instructor if they are unable to attend the first class meeting. Contact the UNF Operator at 620-1000 for departmental phone numbers.

Effective Fall 2005, you can email your instructor directly when viewing your Detail Schedule in Banner Self Service, via the Academic tab within the [myWings web portal](#). Just click on the email icon next to your instructor's name.

**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, unless dropped. Students must drop themselves (by the end of add/drop period) from all courses they do NOT plan to attend.

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## Appealing an Academic Decision

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## Probation/Suspension Policy

Any time an undergraduate student drops below a 2.0 UNF overall &/or semester GPA, they will be put on probation. They will stay on probation until they increase their UNF overall GPA to a 2.0 or higher. While on probation if the student does not maintain a semester 2.0 GPA or better, they will be suspended.

## Suspensions

- With the first suspension the student is not allowed to take coursework for one semester.
- With the second suspension the student is not allowed to take coursework for a minimum of one semester and a maximum of up to one year.
- With the third suspension after one year the student may try to re-apply for admission to the university. Admission is not guaranteed.

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## Correspondence and Distance Learning Course Policy

No more than nine semester hours of correspondence or distance learning courses may be accepted as upper-level transfer coursework in a program of study for a degree-seeking student in the Coggin College of Business. Students who have matriculated into the Coggin College of Business are not permitted to enroll in such coursework at another institution. The number of credit hours permitted to transfer in, may vary by program.

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## Lower-level Prerequisite Policy

The Coggin College of Business lower-level prerequisite courses are prerequisites for all upper-level courses in the college. A grade of "C" or better is required in each of these prerequisite courses. Students should complete all prerequisites before taking Coggin College of Business upper-level course work.

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## Prerequisite/Co-requisite\* Policy

Students enrolled in Coggin College of Business courses are responsible for assuring that they have satisfactorily met the requirements for all prerequisite/co-requisite courses. The student's professor, the department chairperson, or the Director of Student Service Center has the discretionary authority to dismiss any student who has not fully complied with this policy from the related courses. 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 can 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. Normally, however, the time permitted should not exceed one month.

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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## Directed Independent Study (DIS) Policy

Undergraduate Students desiring to enroll in a “directed independent study” must have an institutional GPA of 2.5 or better and obtain appropriate approvals from the faculty member, department chairperson, and the Director of the Student Service Center. Traditionally, the faculty member chooses the student that is preferred for research collaboration. The student and the faculty member must complete an “independent study” form, which must detail the work to be done and grading policy to be used. Only regular faculty members can supervise directed independent study courses unless the appropriate department chairperson and the associate dean grant special permission.

The maximum number of DIS hours allowed for an individual undergraduate student is six semester hours.

## **Policy on Use of International Academic Experiences in Undergraduate Degree Evaluations**

The Coggin College of Business allows its students to use in their degree programs the following three types of international academic experiences. In all cases, the student and his/her academic advisor must agree in writing how credits will be used in the student’s program of study before the student begins the study abroad or exchange experience.

### **1. College-sponsored faculty-led study abroad courses**

These include international travel and business visits as an integral part of a larger course that focuses on business issues.

- Undergraduate students may use only one college-sponsored, faculty-led study abroad course (i.e., 3 credits) as a major course in their program of study.
- Undergraduate students may not use non-college, faculty-led study abroad courses as major electives.
- Students may use credits from college-sponsored, faculty-led study abroad courses elsewhere in their programs of study, including satisfying the following requirements:
  - Coggin College of Business Cultural Diversity
  - Business Elective
  - Free Elective

### **2. Non-college, faculty-led study abroad courses**

These are study abroad courses sponsored by other UNF colleges, which include international travel as an integral part of a larger course that focuses on non-business issues.

Undergraduate students may use study abroad courses offered by other UNF colleges to satisfy the following requirements:

- Coggin College of Business Cultural Diversity
- Non-business elective
- Free elective

### **3. Student Exchange Programs**

These programs provide students with the opportunity to take courses at foreign institutions. Most student exchanges are one or two semesters in duration.

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## **Acceptance of “D” Grades**

“D” Grades are not acceptable in Coggin College of Business courses.

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## **Change of Major Policy**



Matriculated students that desire to enter the Coggin College of Business from another college, or those wishing to change majors within the college, must have a cumulative GPA of 2.00 or higher. Students should meet with an academic advisor to review required coursework. Academic advisors will submit the major change request.

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## Concurrent Enrollment Policy

Concurrent enrollment at other institutions is NOT permitted for Coggin College of Business students.

In extenuating circumstances (documentable) when permitted, concurrent enrollment requires prior approval in advance of taking courses at another institution. Students must first fill out a "Waiver of College Policy" form for permission. If permission is granted, students must complete the Concurrent Enrollment form on [www.flvc.org](http://www.flvc.org) website. See your advisor for clarification.

Students are not allowed to take courses at another institution in their final semester at UNF. This policy includes correspondence courses and CLEP examinations. If a student obtains permission to take a prerequisite course at another institution, permission to take the subsequent course will not be given until a final grade is provided.

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## Continuous Enrollment

UNF defines continuous enrollment as UNF class enrollment without a break of three or more consecutive semesters (note: summer counts as a semester). Students who break continuous enrollment (by not attending or withdrawing from all courses) are subject to the program requirements published in the catalog for the academic year in which they reinstate continuous enrollment at UNF.

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## Double Majors and Simultaneous Degree Policies

### Double Majors:

Any UNF student 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 indicated 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 complete all prerequisites and major requirements for each major. Students must meet GPA requirements for each major and earn a minimum of 120 semester hours.

### Simultaneous Degrees:

A Coggin College of Business student may pursue a simultaneous degree as long as the second college (for example Arts and Sciences) agrees that the student may seek the simultaneous degree in that college. Advisors in both colleges work closely together to ensure the student completes the appropriate courses and meets all requirements to obtain two degrees (simultaneously) at the University of North Florida.

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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). Students who do not comply with this policy may have their enrollment restricted to specific courses.

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## GPA Required for Graduation

Students graduating with a BBA degree must have a minimum 2.00 GPA in all course work taken at UNF, in all course work in their degree program, and in all upper-level course work taken at UNF. Students will not be allowed to take the Business Policy course without a 2.00 GPA in both the UNF overall and UNF upper level GPA.

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## Graduation with Less than 60 Upper Level Hours

Graduation with a Bachelor's degree from the Coggin College of Business with less than 60 upper-level credits is NOT permitted. Additionally, all students attempting to graduate with a bachelor's degree in business must have 120 credits overall that count toward the degree.

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## Leveling Policy for Upper-level Courses

Students must have complete a minimum of 51 semester hours of acceptable college-level course work in order to enroll in 3000 or 4000-level courses in the Coggin College of Business. There is one exception to this policy: BUL 3130 Legal Environment of Business.

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## 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's 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 of upper level-course work at UNF must be completed. This course work must be directly related to the new major and new degree. If these course distribution requirements cannot be met, then a second degree in that major cannot be earned. Therefore, students desiring to earn a second bachelor's degree in Business Administration must have an approved degree evaluation before beginning work on the second degree.

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## Transfer Enrollment Policy

Students transferring from other institutions with upper level credit completed that will have an expiration date of less than 10 years at the date of graduation (see special policy below on the transfer of major courses) may use a very limited number of credits in their upper level program of study if appropriate. The courses must be equivalent to required UNF courses, and the student must have earned a grade of "C" or better in each course. It is the student's responsibility to furnish proof of this equivalency (syllabus). A limited number of courses carrying common course numbers and completed at approved (AACSB accredited) Florida institutions will be applied appropriately to degree requirements. See an academic advisor about the limitations of transfer courses.

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## Policy on Multiple Minors

Undergraduate students pursuing a BBA degree in the Coggin College of Business who wish to pursue more than one minor in their degree evaluation may do so. Students should contact their academic advisor and have a maximum of two minors incorporated into their degree evaluation. Students should not just assume that taking the courses required for the minor will ensure that the minor will be recorded in their academic record (degree evaluation and transcript). Students pursuing the BBA degree are not required to choose a minor.

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## 10-Year Rule



This policy related to degree evaluation course work applies both to courses taken at UNF and courses taken at other institutions. Courses expire when they are 10 years old and will need to be repeated.

This includes:

- All core courses
- All major courses
- All major electives
- For International Business majors, this includes regional studies and intermediate foreign languages
- All substitutions for the above courses

This excludes:

- All pre-req/foundation classes
- All cultural diversity
- All public speaking

**(Note: Classes that may be in the 10-year window at start of the degree may fall off of the degree evaluation as the 10 year window closes and the courses expire.)**

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## **Additional Policies and Procedures**

This catalog does not encompass all policies and procedures for the programs in the Coggin College of Business. Please contact an academic advisor for clarification or additional information. As a student you are responsible for any policies and procedures not included on this page or discussed by your advisor.

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## [Accounting Major](#)

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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 undergraduate degree program.
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

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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.

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## **Business Administration Major**

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### **I. Recommended Lower-Level or Community College Curriculum: 60 Hours**

(A minimum grade of "C" is required in all coursework)

#### **General Education, General Electives, and Required Courses**

##### a) Required lower-level courses

- Principles of Financial Accounting: 3 hours
- Principles of Managerial Accounting: 3 hours
- Principles of Macroeconomics: 3 hours
- Principles of Microeconomics: 3 hours
- Elementary Statistics for Business: 3 hours
- Calculus for Business: 3 hours
- Computer Applications for Business: 3 hours

##### b) Other General Education and General Electives: 39 hours

### **II. Upper-Level Requirements: 60 Hours**

##### a) Courses Common to all Majors: 18-21 hours

- FIN 3403 Financial Management: 3 hours
- MAR 3023 Principles of Marketing: 3 hours
- MAN 3504 Production/Operations and Logistics Management: 3 hours
- MAN 3025 Administrative Management: 3 hours
- BUL 3130 Legal Environment of Business: 3 hours  
(some majors require SOP 3004 Social Psychology)
- MAN 4720 Strategic Management & Business Policy: 3 hours

##### b) Area of Concentration: 18-29 hours

##### c) Required Business Courses (3000-level or higher): 3-15 hours

- Approved Quantitative Course: 3 hours
- Approved Economics Course: 3 hours
- Approved Information Systems Course: 3 hours
- Approved "International" Course: 3 hours

##### d) Required Non-Business Courses: 3-6 hours

- Approved Cultural Diversity Course: 3 hours
- Approved Oral Communication Course (student may substitute an upper-level non-business elective if this requirement was satisfied at the lower level): 3 hours

##### e) Other Electives: 0-3 hours

### **III. Total Requirements for a Degree: 120 Hours**

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## Economics Major

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The program in the Department of Economics and Geography in the Coggin College of Business is designed to provide students with the 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, finance, and the 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.

**Students should choose their elective courses in economics in support of their expected career goals.** The department faculty recommends the following:

Students interested in emphasizing international economics, should take 3 of the following:

- ECO 3703 International Economics
- ECO 4723 International Monetary System
- ECS 3013 Economic Development
- ECS 3303 Current Issues in the Economics of the European Union
- ECS 3403 Current Issues in the Economy of Latin America

Students planning to enroll in law school should take 3 of the following:

- ECO 4504 Public Finance
- ECP 3403 Economics of Industrial Organization
- ECP 3451 Law, Economics, and Public Policy
- ECP 4413 Government and Business

Students planning to enroll in graduate school in economics should take 3 of the following:

- ECO 3411 Business and Economic Statistics
- ECO 3421 Econometrics
- ECO 3422 Advanced Econometrics
- ECO 4401 Mathematical Economics
- GIS 3043 Introduction to Geographic Information Systems

The faculty strongly recommends that these students pursue at least a minor in mathematics or statistics, to include some of the following courses, (note that graduate school admission requirements in economics often require Calculus I and II and Linear Algebra):

- Calculus I and II (additional courses are encouraged)
- Linear Algebra
- Differential Equations
- Probability and Statistics at the upper-division level
- Statistical Methods I and II

Those students seeking to enter the work force after receipt of their bachelor's degree, or a more general curriculum, should take 3 of the following:

- ECO 4223 Monetary Economics
- ECP 3403 Economics of Industrial Organization
- ECP 3530 Health Economics and Policy
- ECP 3613 Urban Economics
- ECP 3703 Managerial Economics
- ECP 4413 Government and Business

Students expecting to work in the field of planning should take at least one of the following:

- GIS 3043 Introduction to Geographic Information Systems
- GIS 4048 Intermediate Geographic Information Systems

## Finance Major

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The shared objectives of the BBA in Finance and the BBA in Financial Services 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. The program offers three primary focuses.

**Option 1: 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.

**Option 2: 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 concentration 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.

**Option 3: 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. Requests for course substitutions in order to graduate without required concentration courses will rarely be granted. Students are warned not to delay taking their finance courses because of prerequisites and limited course offerings.

## Financial Services Major

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The shared objectives of the BBA in Finance and the BBA in Financial Services 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 financial services is designed for the student who is interested in a career in the dynamic financial services sector which includes personal financial planning, banking, insurance, and related areas.

Financial Planning Concentration: This concentration integrates finance, accounting, employee benefits, and insurance. The objective is to prepare students for careers in the growing fields of financial services and financial planning. 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 services should be arranged by students with their academic advisor in conformance with the general requirements outlined below.

The requirements for a major in financial services 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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## International Business Major

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The international business major has been designated part of the International Business Flagship program by UNF's president. The international business major is designed for students who are excited about the increasing globalization of the business world, working and traveling abroad as well as understanding other cultures and speaking other languages. 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.

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. First, they learn about international aspects of functional business areas, including economics, finance, management and marketing. Second, they become proficient in a foreign language. Third, they learn about a particular area of the world. Fourth, all international business students must complete a one-semester internship with a company actively involved in international business. This training provides international business majors with practical experience that will make them more marketable upon graduation. Fifth, all international business majors are required to complete an approved international education experience through the Coggin College of Business of four weeks or more.

International business majors must satisfy all requirements for the BBA degree.

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## Management Major

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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 resources that must be managed for an organization to function effectively.



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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## Marketing Major

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Web Address: <http://www.unf.edu/coggin/marketing>

The marketing major is intended for students who seek learning opportunities about marketing functions, institutions, and marketing management practices in consumer and organizational business, industrial and governmental foundations and functioning of marketing and marketing management and to develop their understanding, appreciation and proficiency in marketing decision making within firms and across society. The curriculum furnishes students with content knowledge and its applications in the principles of marketing, consumer behavior, marketing research and information systems, strategic marketing management, international marketing and additional elective areas of marketing as well as more general knowledge and skills relevant to business and a business career. The major also includes behavioral, technical, and elective courses in order to prepare the student for a marketing management career. Flexibility is allowed so that students have some discretion in orienting their program toward career and degree objectives. Students are encouraged to work closely with their advisors in selecting major and contextual courses, which are



appropriate to their objectives.

Students who choose marketing as their area of concentration must satisfy all requirements for the BBA degree. As a part of these requirements, marketing students must satisfy the marketing concentration requirement and a contextual studies requirement. A maximum of 15 hours of marketing, excluding marketing courses required of all BBA candidates, will be counted toward satisfying degree requirements.

Students with an interest in a sales career should select MAR 4403 Sales Management, MAR 4400 Professional Selling and MAR 4946 Professional Sales Internship as marketing major electives.

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## Transportation and Logistics Major

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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. Many graduates of the Program have accepted positions with local logistics firms as well as with major corporations located across 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 four Flagship programs so identified on campus. The [program](#) is ranked 13th in its field in the USA, placing it among top-tier research universities nationally, and the highest among non-doctoral-granting institutions. A spring 2007 Journal of Supply Chain Management article also 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 25 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 Prime F. Osborn III Eminent Scholar Chair in Transportation has greatly enhanced the program's research capabilities and leadership in logistics education. The professorship resulted from a gift by the CSX Corporation in honor of the late Prime F. Osborn III, past CSX board chairman. This honor recognizes Mr. Osborn's long-standing support of developing quality education in America and his leadership in the transportation industry.

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, and Southeast Toyota Distributors (all of whom are headquartered here), as well as leading firms who require Transportation & Logistics expertise, including GE, Target, Walgreens, Sears, and PSS World Medical. 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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## Honors in the Major Program

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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. The second is the "Honors in the Major" program open to upper-level students in the Coggin College of Business. A student does not have to be in the lower-level honors program to enroll in the upper-level "Honors in the Major" program.

The Coggin College "Honors in the Major" program includes a mentor experience, an individualized curriculum, a research experience, an honors colloquium, and special recognition on the student's transcripts and diploma. Admission is competitive and limited to students who have a cumulative GPA of 3.5 or better. More information on additional admission requirements and procedures for applying to the program can be obtained from the Department of University Honors at (904) 620-2649.

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## Undergraduate Study Abroad Opportunities

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The Coggin College of Business supports and encourages undergraduate students to study abroad.

The Coggin College of Business ( <http://www.unf.edu/coggin/abroad/> ) offers four types of study abroad programs for undergraduate students:

- Double Degree Programs (via exchange partners)
- Semester and academic year abroad (via exchange partners)
- 4 week summer programs (via exchange partners)
- Faculty-led study abroad courses

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.

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## Double degree Programs

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## [Minors in the Coggin College of Business](#)

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Students wishing to obtain a minor must apply through an established procedure with their Academic Advisor.

### [Minor in Business Administration](#)

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Departments or divisions 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, below. Departments wishing to offer a minor in business administration should discuss the issue with the Coggin associate dean prior to submitting formal program material.

### [Minor in Economics](#)

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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 possesses analytical decision making training and also that you likely have a global perspective on the economy and business.

### [Minor in Entrepreneurship](#)

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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](#)

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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 Geography**

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Spatial skills in 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.

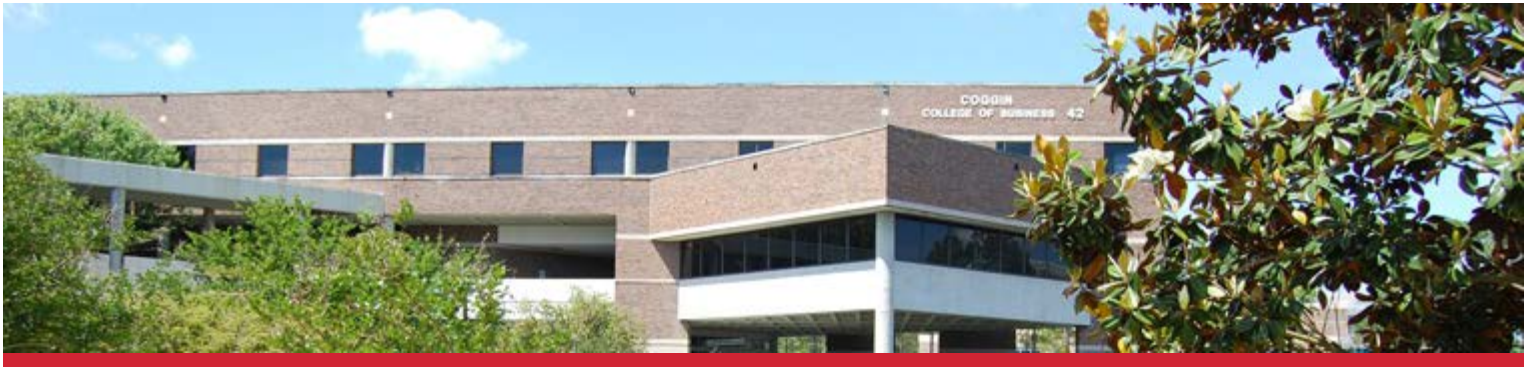
## **Minor in International Business**

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Students in the Coggin College of Business with an interest in the increasingly important area of international business may wish to develop a schedule which includes the courses constituting the minor in international business. With careful course scheduling, a student should be able to meet the requirements for the minor without exceeding the 60 upper-level hours required for the BBA degree. 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.

Note: All minors have requirements on the minimum number of courses taken at UNF. A minimum grade of "C" is required for all minors in the Coggin College of Business.





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## Required GPA

Students graduating with a graduate degree or graduate certificate from the Coggin College of Business must have a minimum of "C" or better in all coursework taken at the graduate level. Concentration courses must be complete with a grade of "B" or better. All students are required to have a minimum 3.0 UNF GPA (both combined and separate at the 5000 & 6000 levels) prior to enrolling in MAN 6726 Advanced Business Policy and in order to earn a degree.

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## Graduate GPA Calculation Policy

The Graduate GPA will be calculated from the courses that are counted on the Program of Study. This calculation will also include all courses that are repeated.

In order to take MAN6726 & to graduate:

- 5000 level GPA can be below 3.0
- 6000 level GPA must be 3.0 or better
- Total grad GPA for MBA must be 3.0 or better

(There is no grade forgiveness at the Graduate level)

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## Minimum grade allowed in Coggin Graduate programs

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A student is not permitted to make a grade less than a "C" in any of our graduate programs. In some cases (eg: concentration classes) the student is not permitted to make a grade less than a "B". Please speak with your advisor for clarification.

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## Probation/Suspension Policy

If a graduate student's individual grade in a course, current term GPA or total institution GPA drops below 3.0, the student will be placed on probation. Probationary status will remain in effect until both of the student's GPAs become 3.0 or higher.

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 after a third suspension must reapply through The Graduate School.

**One cannot take MAN 6726 (Advanced Business Policy) if on probation.**

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## Prerequisite / Co-requisite\* Policy

Students enrolled in Coggin College of Business courses are responsible for assuring that they have satisfactorily met the requirements for all prerequisite/co-requisite courses. The student's professor, the department chairperson, or the Director of Student Service Center has the discretionary authority to dismiss any student who has not fully complied with this policy from the related courses. 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 can 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. Normally, however, the time permitted should not exceed one month.

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 not attending the first day of class may be dropped from the course at the discretion of the instructor.

Students having 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.

Beginning Fall 2005, you can email your instructor directly when viewing your Detail Schedule in Banner Self Service, via the Academic tab within the [myWings web portal](#). Just click on the email icon next to your instructor's name.

Many professors require attendance to all meeting sessions of their course. Attendance guidelines are generally set by each individual professor.

**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 end of add/drop period) from all courses they do NOT plan to attend.

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## Appealing an Academic Decision

Learn about the policies for [appealing an academic decision](#).

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## Foundation Requirements

The business graduate foundation requirements consist of a set of subjects considered by the graduate faculty as required for regular graduate study in the MBA or MAcc degrees.

The foundation requirements include: Foundations of Marketing and Management, Law and the Business Environment, Economic Analysis, and Financial Analysis. These foundation requirements are prerequisites for registration in advanced graduate courses. A student with satisfactory academic experience in the foundation subjects need not take Foundation Requirements at UNF. A student whose educational experience does not include specific Foundation Requirements will be required to take appropriate foundation courses at UNF.

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## Directed Independent Studies

The intent of a Directed Independent Study 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 and normally are not available as directed independent studies. No more than three (3) credit hours of directed independent studies may be counted toward graduation requirements. All directed independent studies 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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## Transfer of Graduate Credits from another College or University

A maximum of 6 credit hours of 6000 level course work may be transferred in from another college or university. Additionally, 6 credit hours may be waived if appropriate course work has been complete at another college or university. These credits must be from an AACSB accredited school or an appropriately accredited international college or university. 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 students program of study.

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## Policy on Multiple Concentrations

Graduate students pursuing an MBA degree in the Coggin College of Business who wish to pursue

more than one concentration in their degree evaluation may do so. Students should contact their academic advisor and have a maximum of two concentrations incorporated into their degree evaluation. Students should not just assume that taking the courses required for the concentration will ensure that the concentration will be recorded in their academic record (degree evaluation and transcript). Students pursuing the MBA degree are not required to choose a concentration. Remember that all concentration courses must be a "B" or better at 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 MBA handbook or contact an academic advisor for clarification or additional information.

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## Graduate Transfer

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The residency requirement at UNF is 24 credit hours; 18 of which must be taken at the 6000 level. No student may earn a UNF graduate degree without 24 hours of UNF graduate course credit. It is also required that students earn a majority of credits toward their degrees at UNF.

Individual programs have particular requirements concerning transferring in credits; most graduate programs at UNF allow a student to transfer in approximately 20 percent of the overall graduate credits required for a degree (rounded up to the nearest number divisible by 3) from another regionally accredited institution, as allowable under the residency requirement and as approved on a course by course basis at the discretion of the appropriate graduate program director. Additional credits may be transferred in via special petition, subject to the approval of the appropriate graduate program director and the Graduate Dean. No student may transfer in more than 40 percent of the overall credits required for a degree.

A student who transfers in more than 20 percent of the credits required for a degree may not apply

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any credits earned as a transient student (hours taken at another institution while the student is matriculating at UNF) toward fulfillment of that degree's requirements without prior approval of the appropriate graduate program director and the Graduate Dean. Students wishing to enroll in courses at another institution for the purpose of transferring credits into their graduate program of study must complete a "Concurrent Enrollment" form and have prior approval from the appropriate graduate program director.

Additional credit transfer conditions:

1. The student must have completed the course work subject to the time limits applicable to his or her current graduate program.
2. The student must have earned grades of 3.0 or higher in the courses.
3. The student is not entitled to apply transfer credits toward the 18 hour minimum of 6000-level courses required for all master's degrees.
4. The student is not entitled to transfer credit for correspondence courses, courses included in a completed degree program, or portfolio-based experiential learning that has taken place prior to admission to the current graduate program.

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## Transient Student Admission

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### 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.

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## Readmission of Inactive Students

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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 update their admissions applications with the Graduate School. They must do so at least six weeks before the beginning of the term in which they wish to enroll. They will be responsible for meeting any new general admissions requirements or program specific requirements.

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## Graduate Program Course Level

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Eighteen (18) 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, or (4) field-based coursework connected to teacher certification programs.

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## **Degree Completion within Six Years**

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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 coursework for a doctoral degree must be completed within eight years. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

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## **Second Masters Residency**

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For a second master's degree, at least 24 hours of UNF graduate coursework in residency is required. Coursework counted in the fulfillment of any other UNF degree requirements cannot be counted toward this second master's residency requirement.

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## **Graduate Program Independent Learning**

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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.

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## **Credit Earned as Post-Baccalaureate**

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A student may apply up to 10 hours of graduate course work taken at UNF as a post-baccalaureate. (Such credits will be included in the student's UNF graduate GPA.) The student must receive the approval of the Program Director, who will then inform The Graduate School.

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## **Graduate GPA Policy**

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The Graduate GPA includes all graduate credits taken 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 taken as a post-baccalaureate student, when those hours are not counted toward fulfillment of degree requirements, are not counted in the construction of the Graduate GPA. Undergraduate credits, no matter when they are taken, are not counted. Transfer credits are not counted, with the exception of joint international degree programs. All graduate credits from these programs are used to calculate the graduate GPA.

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## **Satisfactory Academic Progress**

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### **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 award 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 course grade or cumulative UNF Graduate GPA of at least 3.0 will be considered 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, he or she earns a D or F in a graduate course in his or her 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.

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## **Dismissing a Student from a Graduate Program**

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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.

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## **Graduate Dual International Degrees**

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Effective fall 2010, 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.

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## Graduate Admissions

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(1) The following are the minimum requirements for admission to graduate programs at the University of North Florida.

- a. 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
- b. An earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

(2) Applicants who hold baccalaureate degrees from an international institution must submit a course-by-course degree evaluation from a UNF and NACES approved evaluation service or, on exception, a course-by-course evaluation performed by the University's International Center.

(3) Additionally, all applicants to master's programs must meet the following specific requirements:

- a. Each master's program may determine other requirements for admission (e.g., standardized test scores, written essays, an interview), consistent with their mission and purpose. Any additional admissions requirements so imposed by masters programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the program website area of the Graduate School for the masters program; further, such requirements shall be reviewed and updated annually.
- b. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.
- c. The submitted materials must be used in the context of a holistic credential review process.

(4) Additionally, all applicants to doctoral programs must meet the following specific requirements:

- a. Each applicant to a doctoral degree program shall present standardized test scores that are acceptable for the program to which the student is applying. Acceptable tests include the Graduate Record Examination (verbal, quantitative, and writing), the Miller's Analogies Test, or the GMAT, whichever is deemed most appropriate by the program. Students, including international students, who already have a graduate degree obtained from a regionally accredited institution in the same or in a related area are not required to take the standardized test unless it is required by the program.
- b. Each doctoral program may determine other requirements for admission (e.g.,

letters of recommendation, a resume or a curriculum vita, a written essay, an interview) consistent with their mission and purpose. Any additional admissions requirements so imposed by doctoral programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the website area of the Graduate School for the program; further, such requirements shall be reviewed and updated annually.

c. The submitted materials must be used in the context of a holistic credential review process annually.

d. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.

(5) The University may grant a limited number of exceptions to those applicants who do not meet the basic admission requirements. All applicants requesting an exception must submit GRE, GMAT, or MAT scores, as appropriate, prior to making the request. Students granted an exception will be placed in a provisional admission status for the graduate degree program that they wish to enter. Continuation as a graduate student will depend upon successful completion of provisional admission requirements and any subsequent work.

(6) Applicants from countries where the official language is other than English must achieve the minimum required test scores on the TOEFL or University of Cambridge IELTS as set by the University of North Florida.

(7) The following are required of all applicants:

- a. Application for admission;
- b. Non-refundable application fee in the amount set forth by the university;
- c. Transcripts from each college attended, whether or not credits were earned;
- d. Standardized Test Scores - only if required by the individual graduate program.

(8) Admission to graduate study is granted on an individual basis with a review of the entire academic record of the applicant, including quality of past performance, standardized test scores (if required), appropriateness of work taken, and suitable professional experience. To ensure that all pertinent application materials are received in time, applications for admission must be received by the published deadlines of the university and of the program to which the application is being made.

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## **Graduate Certificate Programs**

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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. This is done 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 one-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.

Student pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing."

All 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, 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 apply to the Graduate School, and the specific certificate program, and pay a new application fee.

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 fifty 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 his or her degree program.

The graduate certificate is not viewed as a guaranteed means of entry 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.**

1. All students applying for graduate level certificate programs will submit an application to The Graduate School.
2. The Graduate School will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the graduate certificate program is dependent on student eligibility and, if required, departmental approval.

### **Certificate and Transcripts**

Once the 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 Registrar and the Office of Enrollment Services Processing. All materials required to print and package the completion documents will also be housed within the Enrollment Services Processing Office.

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More on [UNF Graduate Policies and Procedures](#).



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## [Master of Accountancy Degree Program](#)

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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.

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.
2. To provide students an opportunity to pursue concentrations in financial accounting or taxation.

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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.
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 Degree Program

[Cheryl S. Campbell](#), MBA Advisor - phone: (904) 620-1292

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](#)
- [Sports Management](#)

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## GlobalMBA Program

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:

- Cologne University of Applied Sciences (CUAS) in Cologne, Germany

- University of Warsaw (UW) in Warsaw, Poland
- Dongbei University of Finance and Economics (DUFE) in Dalian, China
- University of North Florida (UNF), in Jacksonville, FL, USA

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 CUAS & UW

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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## **Global EntrepreneurshipMBA Program**

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The [Global EntrepreneurshipMBA](#) is a cooperative, dual-master's degree program offered jointly by the European Business School (EBS) – Paris and the University of North Florida.

A limited number of students are able to participate in this program each year, typically a maximum of six from University of North Florida, a maximum of three from the European Business School-Paris, and a maximum of three from the European Business School- London. Students complete 48 graduate credit hours – 12 at European Business School in Paris, 24 at the University of North Florida, and 12 at European Business School in London including a thesis.

All instruction is in English. Upon successful completion of the program requirements for both institutions, students earn a Grade Master delivered by the French Ministry for degree completion at European Business School-Paris (Master Degree in "Management of International Affairs").

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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 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. The 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. The 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.

## [Local Economic Indicator Project \(LEIP\)](#)

The Local Economic Indicator Project (LEIP) collects first run data for four 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, report stock price changes, and produce an index of leading indicators. In addition, the LEIP website ([www.leipjax.org](http://www.leipjax.org)) provides a quarterly newsletter called the LEIPLINE that provides monthly forecasts, and economic and business data web sources for the local Jacksonville area, the State of Florida, the United States, and the world.

## [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

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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 geography 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 FSBDC at UNF assists potential and existing business owners by providing the management advice, training and information they need to start, grow, and profit. The FSBDC at UNF serves 18 counties from offices in Jacksonville, St. Augustine, Yulee, Live Oak, Palatka and Ocala and is part of the Florida SBDC Network and the national Association of Small Business Development Centers.

## Table of Contents

### 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)

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

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)

Acceptable substitute: MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

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.

MAN4720 is taken in a student's last semester. FIN3403, MAN3025, & MAR3023 must be completed Prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative 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](http://www.unf.edu/coggin) for MAN4720

#### 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)

ACG3113 Intermediate Accounting II (3 Credits)

ACG3123 Intermediate Accounting III (3 Credits)

ACG4361 Cost Accounting (3 Credits)

ACG4401 Accounting Information Systems (3 Credits)

TAX3001 Federal Income Tax (3 Credits)

ACG4651 Auditing (3 Credits)

SELECT one elective course @ 3 credit

ACG or TAX (3000 - 4000 level) excluding TAX3721

#### 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

SELECT one elective with 3 credits



ACG4251 International Accounting, FIN4604 International Finance, ECO3704 International Trade, MAN4600 International Management, or MAR4156 International Marketing

### **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)

ECO3411 Business/Economic Statistics (3 Credits)

### **Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

## Table of Contents

### 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)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitute: ACGX071 or ACGX301

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 MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

Acceptable substitute: STAX023, STAX122, or QMBX100

#### Core Requirements (18 credits)

---

21 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. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

#### 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)

FIN4504 Investments (3 Credits)

FIN4604 International Finance (3 Credits)

ISM4011 Intro Management Info Systems (3 Credits)

#### Electives (18 credits)

---

18 semester hours required. Grade of "C" or better required.

Finance electives can be selected from the courses listed below and from any additional 3000 and 4000 level classes that have FIN, REE, and RMI prefixes (except FIN3140) that are not listed below. (At least two electives must have a FIN prefix).

GENERAL Finance

Take any combination of the following prefixes totaling 18 credit hours: (6 credits must be in FIN)

- FIN (3000 to 4000 level)
- REE (3000 to 4000 level)
- RMI (3000 to 4000 level)

- ACG3103 Intermediate Accounting 1
- ACG4361 Cost Accounting

#### CORPORATE Financial Management

- FIN4414 Financial Management II
- ACG3103 Intermediate Accounting I
- ACG4361 Cost Accounting
- FIN4461 Financial Statement Analysis
- RMI4135 Employee Benefit Planning
- Plus one additional FIN, REE, or RMI elective

#### INVESTMENT .

- FIN4514 Security Analysis/Portfolio Mgmt
- FIN4556 Behavioral Finance (formerly FIN4557)
- 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 (generally offered in the spring term only)
- Plus two FIN electives
- Plus two FIN, REE, or RMI elective

#### **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)
- ECO3411 Business/Economic Statistics (3 Credits)

#### **Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

- SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

## Table of Contents

### Major: Financial Services Concentration: 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)

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 and ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

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)

Acceptable substitute: MACX233 or MACX230

STA2023 (GM) Elem Statistics-Business (3 Credits)

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.

MAN4720 is taken in a student's last semester. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative 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](http://www.unf.edu/coggin) for MAN4720

#### 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 FIN3303, FIN4504, FIN4514, FIN4132, FIN4128, RMI3011, & RMI4135.) (TAX3001 may be substituted for TAX3721)

FIN3303 Financial Institutions (3 Credits)

(formerly FIN3233)

FIN4504 Investments (3 Credits)

FIN4604 International Finance (3 Credits)

ISM4011 Intro Management Info Systems (3 Credits)

TAX3721 Tax Plan in Financial Decision (3 Credits)

FIN4514 Securities Analysis/Portf Mgmt (3 Credits)

RMI4135 Employee Benefit Plans (3 Credits)

(RMI4135 - to be taken in Spring semester)

RMI3011 Risk Management and Insurance (3 Credits)

Normally only offered in the Spring semester

FIN4132 Estate Planning (3 Credits)

Normally only offered in the Spring semester

**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)

ECO3411 Business/Economic Statistics (3 Credits)

**Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

## Table of Contents

### 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)

acceptable substitute: ACGX021

ACG2071 Prin Managerial Accounting (3 Credits)

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)

acceptable substitute: MACX233

STA2023 (GM) Elem Statistics-Business (3 Credits)

acceptable substitute: STAX023

#### 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. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative 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](http://www.unf.edu/coggin) for MAN4720

#### 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)

ECO3101 Intermediate Microeconomics (3 Credits)

ECO3421 Econometrics (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

SELECT One Course

ECO 3704 International Trade or ECO 4713 International Monetary Systems

SELECT 3 Courses

(3000-4000) LEVEL ECO/ECP/ECS/GEO (Excluding ECO3632, ECO3701, ECP3703)

#### 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)

### **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

### **Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

### **Free Electives (6 credits)**

---

Select 6 hours from any 3000-4000 level courses.

SELECT Six hours

### **International Educational Experience**

---

All International Business & Economics majors in the Coggin College of Business are required to have an international experience to graduate

- Beginning in Fall 2013 IB majors must complete a minimum of 4 weeks abroad.

EXPERIENCE International



## Table of Contents

### 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)

ACG2071 Prin Managerial Accounting (3 Credits)

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)

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 in a student's last semester. \* FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720. \* To register for MAN4720 you must apply on-line at [www.unf.edu/coggin](http://www.unf.edu/coggin) approximately one month before registration in your final semester.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative Management (3 Credits)

MAR3023 Principles of Marketing (3 Credits)

MAN3504 Operations Management (3 Credits)

MAN4720 Strategic Mgmt Business Policy (3 Credits)

#### 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)

MAN4240 Organizational Behavior (3 Credits)

MAN4301 Human Resource Management (3 Credits)

MAN4550 Introduction to Mngmt Science (3 Credits)

MAN4583 Project Management (3 Credits)

MAN4600 International Management (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

SELECT One Management Course

Another 4000 level Management course with a MAN prefix

- TRA4202 &/or GEB4113 may be used as MAN electives.

SELECT Another Management Course

Another 4000 level Management course with a MAN prefix

- TRA4202 &/or GEB4113 may be used as a MAN elective.

SELECT One 3000/4000 level MAN course

Includes MAN/GEB/ISM/BUL

### **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)

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)

### **Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

## Table of Contents

### 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)

Acceptable Substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

Acceptable substitute: (2-3 credit hours) ACGX071 or ACGX301

CGS1100 Computer Applications for Busi (3 Credits)

Acceptable substitute: (3-4 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, STA122, or QMBX100

#### Core Requirements (18 credits)

---

21 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. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative 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](http://www.unf.edu/coggin) for MAN4720.

#### Major Requirements (18 credits)

---

21 semester hours are required. Grade of C or better is required in all major coursework. \*TRA courses are generally not offered in the summer. \* \* TRA4202 must be taken prior to TRA4155.

ISM4011 Intro Management Info Systems (3 Credits)

MAN4550 Introduction to Mngmt Science (3 Credits)

TRA3035 Foundations of Transportation (3 Credits)

TRA4155 Supply Chain Management (3 Credits)

TRA4202 Logistics Systems Management (3 Credits)

TRA4210 Logistics Subsystems Analysis (3 Credits)

#### Major Electives (6 credits)

---

Grade of "C" or better required in major electives.

SELECT one Course

MAN4401 Labor Relations, MAR4461 Purchasing Management, TRA4139

Sem:Puchasing Materials Mgmt, TRA4721 International Logistics or TRA4945

Logistics Internship

SELECT one Course

ACG4361 Cost Accounting, GIS3043 Introduction to Geographic Information

**Required Business (12 credits)**

---

12 semester hours are required. (ECO3703/3704 can only be counted once)

ECO3411 Business/Economic Statistics (3 Credits)

CHOOSE Choose one course

MAN4600, MAR4156, FIN4604, or ECO3704 (formerly ECO3703)

SELECT select two

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)

**Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

## Table of Contents

### 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)

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 Prin Managerial Accounting (3 Credits)

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)

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 in a student's last semester. FIN3403, MAN3025, & MAR3023 must be completed prior to taking MAN4720.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative 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](http://www.unf.edu/coggin) for MAN4720

#### Major Requirements (18 credits)

---

18 semester hours are required. A grade of "C" or better is required in all major courses.

- Follow pre-requisites when registering for MAR4803... You must have completed MAR3023, MAR4503 & MAR4613.

MAR4503 Consumer Behavior (3 Credits)

MAR4613 Marketing Research Information (3 Credits)

MAR4803 Strategic Marketing (3 Credits)

SELECT another Marketing Course

3000 - 4000 level Marketing course with a MAR prefix

SELECT another marketing elective

3000 - 4000 level Marketing course with a MAR prefix

SELECT another marketing elective

3000 - 4000 level Marketing course with a MAR prefix

#### Required Business (18 credits)

---

A grade of "C" or better is required for all courses in this area.

ISM4011 Intro Management Info Systems (3 Credits)

SELECT1 Select one ECON. course

ECO3101, ECO3203, ECO3411, ECP3203, or ECP3703

SELECT 1 International Bus. Course

ACG4251 International Accounting, MAN4600 International Mgmt , MAR4156  
International Marketing, TRA4721 International Logistics, FIN4604 International  
Finance, ECO3704 International Trade

SELECT One Course

(3000-4000) LEVEL ACG BUL ECO ECP ECS FIN GEB GEO MAN QMB REE RMI  
TAX TRA

SELECT One Course

(3000-4000) LEVEL ACC BUL ECO ECP ECS FIN GEB GEO MAN QMB REE RMI  
TAX TRA

SELECT One quantitative course

Either ECO3411 or MAN4550 (formerly QMB4600) ECO3411 can only be used once  
in this program

### **Non-Business Requirements (6 credits)**

---

6 Semester hours are required. A grade of "C" or better is required for all courses in this area.

The Cultural Diversity course should be chosen from the list at:

[http://www.unf.edu/coggin/advising/cultural\\_diversity.aspx](http://www.unf.edu/coggin/advising/cultural_diversity.aspx)

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000 -2000) You may substitute any  
upper level (3000-4000) elective for SPC4064.

AND one cultural diversity course

## Table of Contents

### 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)

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)

---

21 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. FIN3403, MAN3025, & MAR3023 must be completed Prior to taking MAN4720.

- A Mandatory Workshop for IB majors is required. Date and times of these workshops are listed in your Career Wings account.

BUL3130 Legal Environment of Business (3 Credits)

FIN3403 Financial Management (3 Credits)

MAN3025 Administrative 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](http://www.unf.edu/coggin) for MAN4720.

#### 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](http://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)

FIN4604 International Finance (3 Credits)

MAN4600 International Management (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. - 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](http://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

### Internships (3 credits)

---

Internship 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.

ISM4011 Intro Management Info Systems (3 Credits)

SELECT Select one course

ECO3411 or MAN4550 (Formerly QMB4900)

### Non-Business Requirements (3 credits)

---

SPC4064 Public Speaking Professionals (3 Credits)

If you took Public Speaking at the lower level (1000-2000) you may take any upper level (3000-4000) elective to replace SPC4064.

### 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](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](http://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 & Economics majors in the Coggin College of Business are required to have an international experience to graduate

- Beginning in Fall 2013 IB majors must complete a minimum of 4 weeks abroad.





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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/](http://www.unf.edu/coas/)

## Dean's Office

---

**Barbara Hetrick**, Dean  
**David Fenner**, Associate Dean  
**Sam Kimball**, Associate Dean  
**Beth Clements**, Assistant to the Dean  
**Allison Turner**, Coordinator of Academic Services  
**Karla Calliste-Edgar**, Administrative Assistant  
**Chellie Jones-Harris**, Office Manager  
**Leigh Palmer**, Director of Development  
**Sophia Estrada-Lucey**, Assistant Director of Development

## Mission

The mission of the College of Arts and Sciences is:

- to provide learning opportunities of the highest quality to our students, both undergraduate and graduate, to develop their capabilities as critical and reflective thinkers, and to offer each occasion for transformative learning;
- to promote faculty engagement in pursuit and production of disciplinary significant and high quality scholarship — discovered and applied, global and local;
- to offer undergraduate and graduate programs that contribute to the successful achievement of our students' ambitions, are responsive to and engaged with the communities of which the university is a part, and continue the tradition of an excellent liberal arts education;
- to dedicate the college's full range of resources to these goals.

## 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, remains to this day the foundation for all further University study; and 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.

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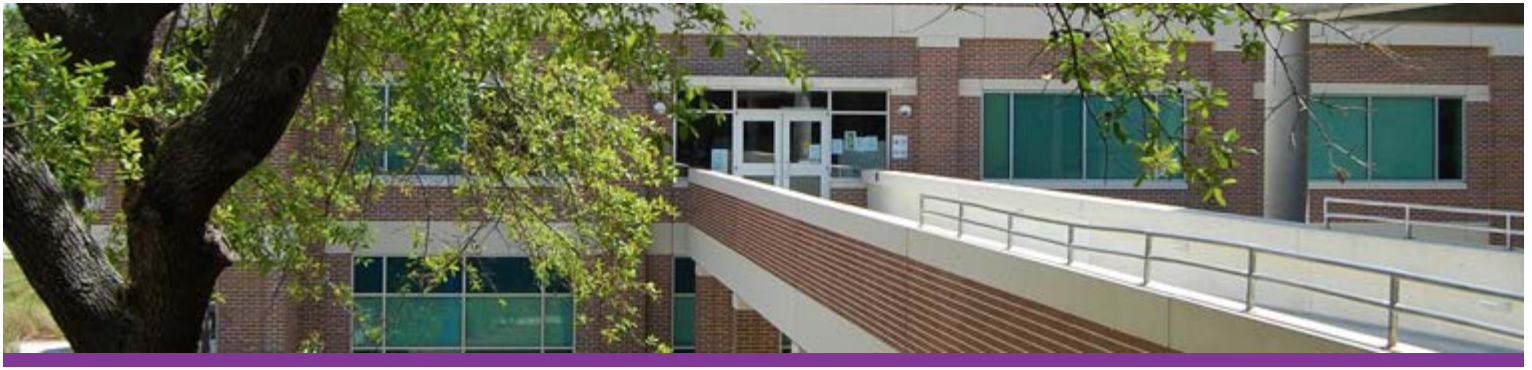
[Study Abroad](#)

[Interdisciplinary Opportunities](#)

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. Masters degrees are offered in Biology, Criminal Justice, English, History, Mathematics/Statistics, Music, Public Administration, Philosophy, and Psychology (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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**Location:** Building 51, Room 3301  
**Phone:** (904) 620-2560  
**Web Address:** [www.unf.edu/coas/](http://www.unf.edu/coas/)

**Mailing Address:**  
University of North Florida  
College of Arts and Sciences  
1 UNF Drive, Building 51  
Jacksonville, Florida 32224-7699

## Dean's Office

---

**Barbara Hetrick**, Dean  
**David Fenner**, Associate Dean  
**A. Samuel Kimball**, Associate Dean  
**Beth Clements**, Assistant to the Dean  
**Allison Turner**, Coordinator of Academic Services  
**Karla Calliste-Edgar**, Administrative Assistant  
**Chellie Jones-Harris**, Office Manager  
**Leigh Palmer**, Director of Development  
**Sophia Estrada-Lucey**, Assistant Director of Development

**Location:** Building 51, Suite 3301  
**Phone:** 904.620.2560  
**Fax:** (904) 620-2929

## Academic Advising

**Location:** Building 51, Room 2500  
**Phone:** (904) 620-2797  
**Fax:** (904) 620-2799

## Department of Art and Design

**Location:** Building 45, Room 2022  
**Phone:** (904) 620-4037  
**Fax:** (904) 620-4038

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### **Department of Biology**

**Location:** Building 59, Room 1300

**Phone:** (904) 620-2830

**Fax:** (904) 620-3885

### **Department of Chemistry**

**Location:** Building 50, Room 3500

**Phone:** (904) 620-3504

**Fax:** (904) 620-3535

### **Department 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**

**Location:** Building 51, Room 2104

**Phone:** (904) 620-1931

**Fax:** (904) 620-2979

### **Department of Languages, Literatures and Cultures**

**Location:** Building 10, Room 2425

**Phone:** (904) 620-2282

**Fax:** (904) 620-2288

### **Department of Mathematics and Statistics**

**Location:** Building 14, Room 2731

**Phone:** (904) 620-2653

**Fax:** (904) 620-2818

### **Department 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

**Fax:** (904) 620-1989

### **Department of Political Science and Public Administration**

**Location:** Building 51, Room 2414

**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

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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 who fail to meet with an academic advisor by the end of the first semester at UNF or at the end of the first semester of junior standing are placed on "Dean's Hold" preventing future registration until the Degree Evaluation is on file in the Advising Office.**

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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

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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.

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## 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.

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## 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.flvc.org](http://www.flvc.org). Students must first set up a pin number in order to access [www.flvc.org](http://www.flvc.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

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(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

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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

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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. Undecided 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.

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## Declaration of Concentrations and Minors

---

Majors in Art, Biology, Chemistry, Communication, Fine Arts, International Studies, 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

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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 probation or reinstate suspension. 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

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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

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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.

The application for graduation must be filed with One Stop Student Services preferably by the first week of classes during the final semester. The deadline for graduation application is published online through the One Stop website. Students may also apply for graduation online through the mywings student self-service system.

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

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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 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 133 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

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## **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 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.

# Foreign Language/Foreign Culture

## State of Florida Foreign Language Requirement

By action of the Florida Legislature, all undergraduate students who entered a Florida public college or university after August 1, 1989 must have completed two years of foreign language in high school. This requirement does not supersede the College of Arts and Sciences graduation requirement in foreign language/foreign culture. Therefore, students must still fulfill this requirement even if two years of foreign language was taken at the high school level.

## Foreign Language/Foreign Culture Requirement for Bachelor of Arts Majors

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.

## 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.

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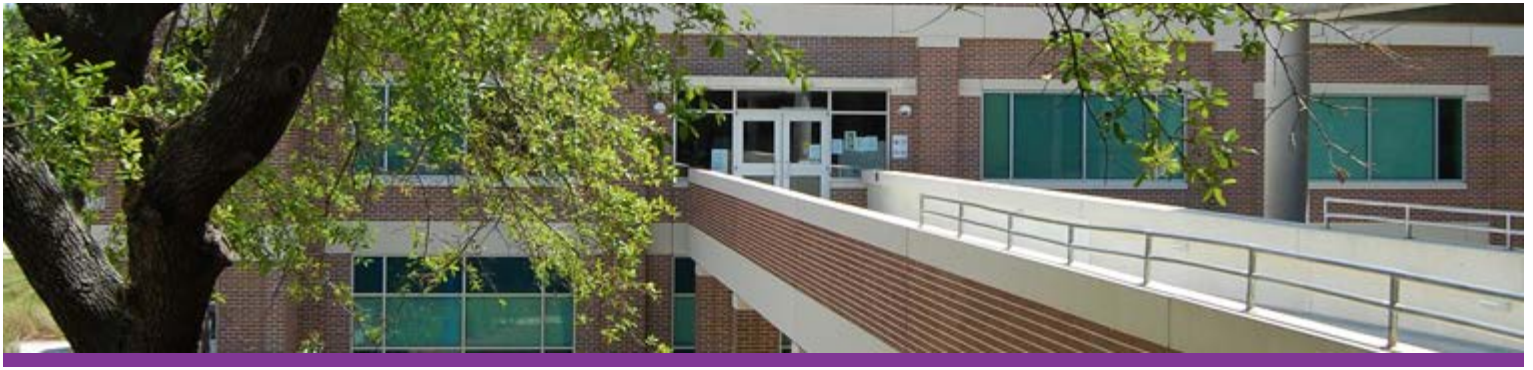
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- Music Performance - Music-Strings, BM
- Music Performance - Music Technology and Production, BM
- Music Performance - Music-Woodwinds, Brass, Percussion, BM
- Music Performance - Piano Performance and Pedagogy, BM
- Philosophy - General Philosophical Studies, BA
- Philosophy - Historical & Comparative Studies, BA
- Philosophy - Legal-Political-Social Studies, BA
- Philosophy - Literary & Cultural Studies, BA
- Philosophy - Philosophy Advanced 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
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## Graduate Transfer

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The residency requirement at UNF is 24 semester credit hours; 18 of which must be taken at the 6000 level. No student may earn a UNF graduate degree without 24 hours of UNF graduate course credit. It is also required that students earn a majority of credits toward their degrees at UNF.

Individual programs have particular requirements concerning transferring in credits; most graduate programs at UNF allow a student to transfer in approximately 20 percent of the overall graduate credits required for a degree (rounded up to the nearest number divisible by 3) from another regionally accredited institution, as allowable under the residency requirement and as approved on a course by course basis at the discretion of the appropriate graduate program director. Additional credits may be transferred in via special petition, subject to the approval of the appropriate graduate program director and the Graduate Dean. No student may transfer in more than 40 percent of the overall credits required for a degree.

A student who transfers in more than 20 percent of the credits required for a degree may not apply

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any credits earned as a transient student (hours taken at another institution while the student is matriculating at UNF) toward fulfillment of that degree's requirements without prior approval of the appropriate graduate program director and the Graduate Dean. Students wishing to enroll in courses at another institution for the purpose of transferring credits into their graduate program of study must complete a "Concurrent Enrollment" form and have prior approval from the appropriate graduate program director.

Additional credit transfer conditions:

1. The student must have completed the course work subject to the time limits applicable to his or her current graduate program.
2. The student must have earned grades of 3.0 or higher in the courses.
3. The student is not entitled to apply transfer credits toward the 18 hour minimum of 6000-level courses required for all master's degrees.
4. The student is not entitled to transfer credit for correspondence courses, courses included in a completed degree program, or portfolio-based experiential learning that has taken place prior to admission to the current graduate program.

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## Transient Student Admission

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### 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.

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## Readmission of Inactive Students

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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 update their admissions applications with the Graduate School. They must do so at least six weeks before the beginning of the term in which they wish to enroll. They will be responsible for meeting any new general admissions requirements or program specific requirements.

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## Graduate Program Course Level

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Eighteen (18) 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, or (4) field-based coursework connected to teacher certification programs.

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## **Degree Completion within Six Years**

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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 coursework for a doctoral degree must be completed within eight years. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

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## **Second Masters Residency**

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For a second master's degree, at least 24 hours of UNF graduate coursework in residency is required. Coursework counted in the fulfillment of any other UNF degree requirements cannot be counted toward this second master's residency requirement.

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## **Graduate Program Independent Learning**

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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.

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## **Credit Earned as Post-Baccalaureate**

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A student may apply up to 10 hours of graduate course work taken at UNF as a post-baccalaureate. (Such credits will be included in the student's UNF graduate GPA.) The student must receive the approval of the Program Director, who will then inform The Graduate School.

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## **Graduate GPA Policy**

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The Graduate GPA includes all graduate credits taken 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 taken as a post-baccalaureate student, when those hours are not counted toward fulfillment of degree requirements, are not counted in the construction of the Graduate GPA.

Undergraduate credits, no matter when they are taken, are not counted. Transfer credits are not counted, with the exception of joint international degree programs. All graduate credits from these programs are used to calculate the graduate GPA.

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## **Satisfactory Academic Progress**

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### **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 award of a graduate degree.

Graduate students who hold assistanships 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 will be considered 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, he or she earns a D or F in a graduate course in his or her 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.

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## **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.



## Graduate Dual International Degrees

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Effective fall 2010, 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.

## Graduate Admissions

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(1) The following are the minimum requirements for admission to graduate programs at the University of North Florida.

- a. 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
- b. An earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

(2) Applicants who hold baccalaureate degrees from an international institution must submit a course-by-course degree evaluation from a UNF and NACES approved evaluation service or, on exception, a course-by-course evaluation performed by the University's International Center.

(3) Additionally, all applicants to master's programs must meet the following specific requirements:

- a. Each master's program may determine other requirements for admission (e.g., standardized test scores, written essays, an interview), consistent with their mission and purpose. Any additional admissions requirements so imposed by masters programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the program website area of the Graduate School for the masters program; further, such requirements shall be reviewed and updated annually.
- b. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.
- c. The submitted materials must be used in the context of a holistic credential review process.

(4) Additionally, all applicants to doctoral programs must meet the following specific requirements:

- a. Each applicant to a doctoral degree program shall present standardized test scores that are acceptable for the program to which the student is applying. Acceptable tests include the Graduate Record Examination (verbal, quantitative, and writing), the Miller's Analogies Test, or the GMAT, whichever is deemed most appropriate by the program. Students, including international students, who already have a graduate degree obtained from a regionally accredited institution in the same

or in a related area are not required to take the standardized test unless it is required by the program.

b. Each doctoral program may determine other requirements for admission (e.g., letters of recommendation, a resume or a curriculum vita, a written essay, an interview) consistent with their mission and purpose. Any additional admissions requirements so imposed by doctoral programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the website area of the Graduate School for the program; further, such requirements shall be reviewed and updated annually.

c. The submitted materials must be used in the context of a holistic credential review process annually.

d. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.

(5) The University may grant a limited number of exceptions to those applicants who do not meet the basic admission requirements. All applicants requesting an exception must submit GRE, GMAT, or MAT scores, as appropriate, prior to making the request. Students granted an exception will be placed in a provisional admission status for the graduate degree program that they wish to enter. Continuation as a graduate student will depend upon successful completion of provisional admission requirements and any subsequent work.

(6) Applicants from countries where the official language is other than English must achieve the minimum required test scores on the TOEFL or University of Cambridge IELTS as set by the University of North Florida.

(7) The following are required of all applicants:

- a. Application for admission;
- b. Non-refundable application fee in the amount set forth by the university;
- c. Transcripts from each college attended, whether or not credits were earned;
- d. Standardized Test Scores - only if required by the individual graduate program.

(8) Admission to graduate study is granted on an individual basis with a review of the entire academic record of the applicant, including quality of past performance, standardized test scores (if required), appropriateness of work taken, and suitable professional experience. To ensure that all pertinent application materials are received in time, applications for admission must be received by the published deadlines of the university and of the program to which the application is being made.

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## Graduate Certificate Programs

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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. This is done 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 one-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.

Student pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing."

All 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, 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 apply to the Graduate School, and the specific certificate program, and pay a new application fee.

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 fifty 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 his or her degree program.

The graduate certificate is not viewed as a guaranteed means of entry into a graduate degree program.

## Admissions to Graduate Certificate Programs

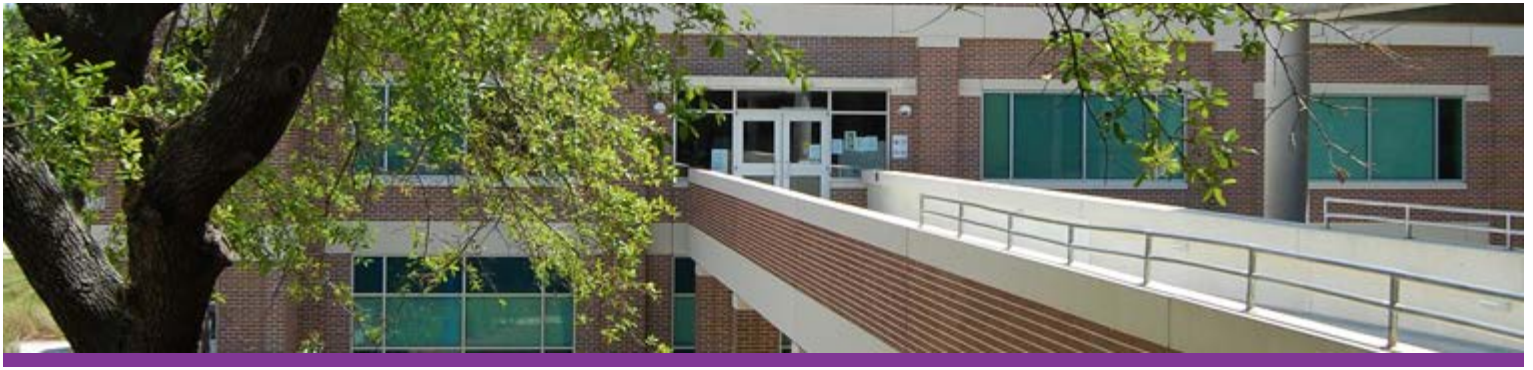
Currently enrolled UNF students who wish to pursue a graduate certificate program are required to apply through the graduate school and be accepted to the desired program in accordance with program-specific admissions criteria. **No application fee is required.**

1. All students applying for graduate level certificate programs will submit an application to The Graduate School.
2. The Graduate School will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the graduate certificate program is dependent on student eligibility and, if required, departmental approval.

## Certificate and Transcripts

Once the 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 Registrar and the Office of Enrollment Services Processing. All materials required to print and package the completion documents will also be housed within the Enrollment Services Processing Office.





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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.
- 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 honors program 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) 620-1069

**Web Address:** <http://www.unf.edu/coas/prelaw/>

**Martin I. Edwards**, Director Pre-Law Program

The College of Arts and Sciences offers a Pre-Law Program to enhance the preparation of the undergraduate student interested in pursuing law school and entrance into law school or a law-related career. The Pre-Law Program is multifaceted in the range of services to students preparing for the rigors of legal training. Components of the program include thorough pre-law advising, curriculum analysis and assistance with appropriate course selection, and preparation for the Law School Admission Test (LSAT). The program assists students in preparing for the LSAT in various ways: by helping students form study groups, lending students LSAT study videos, books, previously administered LSAT tests, and advice handouts from our extensive Resource Center. The Pre-Law Program assists students in acquiring the necessary background and skills for law school admission and provides the guidance and practical information to maximize the student's opportunities for success in the field of law.

Additionally, the Pre-Law Program offers at least one \$1,500 scholarship each academic year to a qualified student. To be eligible, students must be currently enrolled in and have been enrolled in the Pre-Law Program for two consecutive semesters prior to applying, have and maintain a minimum of 3.25 GPA, and be enrolled as a full-time student (12 semester hours) at UNF.

The Pre-Law Program also strives to keep students informed about and involved in Pre-Law activities. The program publishes an information magazine entitled, *Pre-Law* during the fall and spring semesters, which include articles written by other Pre-Law students about their experiences as UNF students and offers their advice about taking the LSAT or applying to law school. The magazine also includes information on up-coming events and pre-law opportunities. Students are welcome to stop by the offices anytime and pick up the most recent edition of *Pre-Law* for free.

During the course of each semester, the Pre-Law Program hosts and co-sponsors a variety of law-related events including two Pre-Law Board luncheons each year and two major informational events including Pre-law Day and Pre-law Forum. The Pre-Law program's Board of Advisors is comprised of over fifty local judges, attorneys, business people, and former UNF students who meet two times a year with Pre-law students. During these luncheons, guest speakers lecture on a variety of topics including international and national politics, American history as well as crime in America. In addition, one luncheon each year is designated for Pre-law Scholarship finalists to speak to the Board who then decides that year's scholarship winner. During the fall semester each year, Pre-Law sponsors Pre-Law Day, an event which allows students to meet with representatives from over thirty law schools from across Florida and around the country. The representatives answer student questions regarding the law school application process. A prominent guest speaker from the legal community is invited to serve as guest speaker. Each spring, Pre-Law also host Pre-Law Forum during which a panel of guest speakers discuss subjects as varied as the law school application process, the realities of life in law school and choosing a field of law.

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The Pre-Law Program has developed four undergraduate courses which focus on the application of specific skills and perspectives such as: analytical thinking and problem solving, critical reading and writing, oral communication, research, task organizing and time management, the values of serving others and promoting social justice and knowledge. The first of the courses, "Mock Trial," was instituted during the summer of 1995. Students learn the fundamentals of trial techniques and strategy by active participation in mock trials. The examination of witnesses provides students with opportunities to practice direct and cross-examination skills acquired during the course. In 1996, the University joined the American Mock Trial Association and fielded its first Mock Trial team. Currently, two mock trail teams annually compete in the Southeastern Regional Mock Trail Qualifying Tournament. Five times during the past ten years UNF teams have competed in the national tournaments. Another course "The Law and Social Responsibility" contains a historical, philosophical, and sociological examination of law and legal practitioner with special reference to such questions as: "Do law, lawyers, and law enforcers make people socially responsible?" The third course "Pre-Law Seminar: Ethics, Standards and Values" focuses on the ethical role a contemporary lawyer s in an ever changing society. The fourth course, "Child Advocacy," deals with the role various professionals perform in dealing with the rights of children within the legal system.

In addition, the Pre-Law Lecture Series has been created to invite nationally renowned guest speakers to campus. Among these speakers have been Linda Greenhouse, Pulitzer Prize winning journalist; Jeffrey Toobin, author and Senior Legal Analyst with CNN; Ken Starr, Solicitor General of the United States, United States Circuit Judge, Independent Counsel during the Clinton Administration, and current president of Baylor University, and Scott Turow, writer and practicing attorney. Mr. Turow is the author of seven best-selling novels including *Presumed Innocent* and *The Burden of Proof*, both of which were made into movies. The speakers in this series interact with students as well as present public lectures on an issue in the law which intersects a course of study in the College of Arts and Sciences.

Prospective students are welcome to visit the Pre-Law offices throughout the year or visit the [website](#) for more information. Students interested in the Pre-Law Program should consult the Director of the Pre-Law Program whose office is located in the Social Sciences Building 51, Room 2117 and can be reached by phone at (904) 620-1069, or email at [medwards@unf.edu](mailto:medwards@unf.edu).



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# Biomedical/Pre-Med Program

**Phone:** (904) 620-2827

**Web Address:** <http://www.unf.edu/coas/premed>

**Judith D. Ochrietor, Ph.D.**, Associate Professor, Biomedical Program Director

The College of Arts and Sciences offers a Biomedical Program for pre-professional students preparing for careers in medicine, dentistry, pharmacy, optometry, medical physics, podiatry, veterinary medicine, physician assistant, or laboratory research. The Biomedical Program is a support program housed within the Department of Biological Sciences that serves 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, and interviewing techniques; as well as shadowing/mentoring opportunities with practicing professionals in the community. Students in any major may participate in the Biomedical Program and can be included on the email list by contacting [biomedicalprogram@unf.edu](mailto:biomedicalprogram@unf.edu). The Department of Biological Sciences, 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 post-graduate health profession programs while students complete their UNF degree.

A Biomedical Pre-Professional Post-baccalaureate Certificate program is available to post-baccalaureate students who wish to apply to medical professional schools for the first time. This program is designed for recent 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](#).

Students are encouraged to participate in the Biomedical Pre-Professionals Club. This service organization provides peer support and volunteer activities for interested students. Students interested in meeting with the Biomedical Program Director may make an appointment by email ([biomedicalprogram@unf.edu](mailto:biomedicalprogram@unf.edu)) and should also consult the [Biomedical Pre-Professionals website](#) for more details about the program.

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### Major: Physics Degree: Bachelor of Science

#### Prerequisites (30 credits)

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##### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab  
Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

##### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab  
Acceptable substitutes: CHMX046C

##### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281

Prereq: MAC 1147

##### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

Prereq: MAC 2311

##### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283

Prereq: MAC 2312

##### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

#### Major Requirements (35 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 Intro Phys for New Majors (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049/L; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049/L & MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049/L & MAC 2312

Coreq: MAP 2302

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049/L & MAC 2313

PHY3424C Optics with Laboratory (4 Credits)

- Prereq: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049/L & MAC 2313

PHY4604 Quantum Mechanics (4 Credits)

Prereqs: PHY 3101/L, MAC 2313 & MAP 2302

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

### **Major Electives (6 credits)**

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SELECT TWO FROM THE FOLLOWING:

- AST 3217 Astrophysics
- AST 3402 Astrophysics II
- PHZ 3404 Solid State Physics
- PHZ 4160 Adv Topics Physics
- PHZ 4303 Nuclear Physics

### **Contextual Courses (6 credits)**

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COP2220 Computer Science I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

### **Free Electives (16 credits)**

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SELECT 16 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).

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**Major: Physics**  
**Concentration: Astrophysics**  
**Degree: Bachelor of Science**

### Prerequisites (30 credits)

---

#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

#### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

#### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281  
Prereq: MAC 1147

#### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282  
Prereq: MAC 2311

#### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283  
Prereq: MAC 2312

#### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

### Major Requirements (39 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 Intro Phys for New Majors (1 Credit)

AST3217 Astrophysics I (4 Credits)

Prereq: PHY2049; Coreq: PHY3101

AST3402 Astrophysics II (4 Credits)

Prereq: AST3217

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049 & MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049 & MAC 2313

Coreq: MAP 2302

PHY3424C Optics with Laboratory (4 Credits)

- Prereq: PHY 2049 and MAC 2313

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY4604 Quantum Mechanics (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHY4910 Physics Research and Seminar (1 Credit)

Prereq: PHY 3101

### Major Electives (3 credits)

---

SELECT ONE FROM THE FOLLOWING:

- PHY 3722C Electronics for Scientists
- PHZ 3404 Solid State Physics
- PHZ 4160 Adv Topics Physics
- PHZ 4303 Nuclear Physics

### Contextual Courses (12 credits)

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AST2002 Basic Astronomy (3 Credits)

COP2220 Computer Science I (3 Credits)

ESC2000 Earth Science (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

### Free Electives (6 credits)

---

SELECT 6 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).

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**Major: Physics**

**Concentration: Civil Engineering**

**Degree: Bachelor of Science**

### Prerequisites (30 credits)

---

#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

#### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281

Prereq: MAC 1147

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283

Prereq: MAC 2312

#### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

### Requisites (3 credits)

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MAP2302 (GM) Ordinary Differ Equations (3 Credits)

### Major Requirements (41 credits)

---

Grades of C or higher required in all physics and engineering courses.

PHY1024 Intro Phys for New Majors (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049 & MAC 2313 Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049/L & MAC 2312

Coreq: MAP 2302

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: PHY 2049, MAC 2313 & MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

EGN3311 Statics (3 Credits)

EGN3202 Computer Aided Engineering (3 Credits)

CES3104C Mechanics of Materials (3 Credits)

CWR3201 Fluid Mechanics (3 Credits)

### **Major Electives (16 credits)**

---

Grades of C or above required in all engineering courses.

SELECT 16 HRS (3000/4000)

- CGN

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### Major: Physics

### Concentration: Electrical Engineering

### Degree: Bachelor of Science

#### Prerequisites (30 credits)

---

##### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

##### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

##### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281

Prereq: MAC 1147

##### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

Prereq: MAC 2311

##### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283

Prereq: MAC 2312

##### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

#### Major Requirements (49 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 Intro Phys for New Majors (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049 & MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049/L & MAC 2312

Coreq: MAP 2302

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY3424C Optics with Laboratory (4 Credits)

- Prereq: PHY 2049 and MAC 2313

PHY4604 Quantum Mechanics (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302



PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

PHZ3404 Solid State Physics (3 Credits)

EEL3111 Circuit Analysis I (3 Credits)

EEL3112 Circuit Analysis II (3 Credits)

EEL3304 Electronic Circuits I (3 Credits)

EEL3303L Electrical Circuits Laboratory (1 Credit)

EEL4744C Microcontroller Applications (4 Credits)

SELECT 1 FROM THE FOLLOWING:

- CDA 3101 Introduction to Computer Hardware
- EEL 3701C Introduction to Digital Systems

SELECT 1 FROM THE FOLLOWING:

- EEL 3135 Signals & Systems
- EEL 4309C Electronic Circuits II

### **Contextual Courses (6 credits)**

---

COP2220 Computer Science I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

### **Major Electives (5 credits)**

---

Grades of C or higher required in all engineering electives.

SELECT 5 HOURS @ 3000/4000 LEVEL

- EEL

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### Major: Physics

### Concentration: Mechanical Engineering

### Degree: Bachelor of Science

#### Prerequisites (30 credits)

---

##### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

##### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

##### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281

Prereq: MAC 1147

##### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

Prereq: MAC 2311

##### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283

Prereq: MAC 2312

##### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

#### Requisites (3 credits)

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MAP2302 (GM) Ordinary Differ Equations (3 Credits)

#### Major Requirements (47 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 Intro Phys for New Majors (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049 & MAC 2313 Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049/L & MAC 2312

Coreq: MAP 2302

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY3424C Optics with Laboratory (4 Credits)

- Prereq: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: PHY 2049, MAC 2313 & MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

EGN3311 Statics (3 Credits)

EGN3331 Strength of Materials (3 Credits)

EML3100 Thermodynamics I (3 Credits)

EGN3203 Modern Computational Methods (3 Credits)

EML3015 Fluids I (3 Credits)

EML4140 Heat Transfer (3 Credits)

### **Major Electives (6 credits)**

---

Grades of C or higher are required in all engineering electives.

SELECT 6 HRS @ 3000/4000 LEVEL

- EGN EML

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**Major: Physics**  
**Concentration: Computing Emphasis**  
**Degree: Bachelor of Science**

### Prerequisites (30 credits)

---

#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

#### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

#### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281  
Prereq: MAC 1147

#### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282  
Prereq: MAC 2311

#### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283  
Prereq: MAC 2312

#### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

### 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 Intro Phys for New Majors (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049 & MAC 2313 Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049/L & MAC 2312

Coreq: MAP 2302

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY3424C Optics with Laboratory (4 Credits)

- Prereq: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY4604 Quantum Mechanics (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L Advanced Physics Laboratory (2 Credits)

Prereq: PHY 3101L

COT3100 Computational Structures (3 Credits)

COP3530 Data Structures (4 Credits)

SELECT 1 FROM THE FOLLOWING:

- COP 3601 Introduction to System Software
- CDA 3101 Introduction to Computer Hardware

### **Contextual Courses (6 credits)**

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COP2220 Computer Science I (3 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

### **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

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### Major: Physics

### Concentration: Materials Science

### Degree: Bachelor of Science

#### Prerequisites (30 credits)

---

##### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

##### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

##### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281

Prereq: MAC 1147

##### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

Prereq: MAC 2311

##### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283

Prereq: MAC 2312

##### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

#### Contextual Courses (11 credits)

---

##### MAP2302 (GM) Ordinary Differ Equations (3 Credits)

##### ORGANIC Organic Chemistry I&II w/labs

- CHM2210 Organic Chemistry I
- CHM2210L Organic Chemistry I Lab
- CHM2211 Organic Chemistry II
- CHM2211L Organic Chemistry II Lab

#### Major Requirements (31 credits)

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PHY1024 Intro Phys for New Majors (1 Credit)

EMA3010 Intro to Materials Science (3 Credits)

PHY3101 Modern Physics (3 Credits)

PHY3101L Modern Physics Lab (1 Credit)

PHY3220 Classical Mechanics (4 Credits)

PHY3320 Electricity and Magnetism (4 Credits)

PHY3424C Optics with Laboratory (4 Credits)

PHY4523 Thermodyn and Statistical Mech (4 Credits)

PHY4604 Quantum Mechanics (4 Credits)

PHZ3113 Mathematical Physics (3 Credits)

#### Major Electives (22 credits)

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Select 22 credits from the list below, no more than 3 credits may be lower level (2000 level)

SELECT 22 credits from list

- PHZ3404 Solid State Physics
- PHY4802L Advanced Physics Lab
- PHY4910 Physics Research & Seminar
- PHY3722C Electronics for Scientists
- CHM4410C Physical Chemistry I
- CHM3120C Qualitative Analytical Chemistry
- CHM3610 Inorganic Chemistry
- CHM3610L Inorganic Chemistry Lab
- CHM4627 Solid State Chemistry
- EGN3311 Statics
- EGN3331 Strength of Materials
- EML3100 Thermodynamics I
- EML3101 Thermodynamics II
- EML4930 Material Characterization
- EML4320C Integrated Design and Manufacturing
- EML4930 Microstructural Evolution
- COP2220 Computer Science I (intro to C)
- COP2551 Intro to OO Programming (Intro to Java)
- COP2010 Intro to V&P Programming (Visual Basic)

### Free Electives (2 credits)

---

TAKE 3 hrs at the 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).



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### Major: Physics

### Concentration: Pre-Medical Physics

### Degree: Bachelor of Science

#### Prerequisites (30 credits)

---

##### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: (CHMX040 and CHMX041) or CHMX045C

##### CHEMISTRY 2 REQUIREMENT

- CHM 2046 General Chemistry II
  - CHM 2046L General Chemistry II Lab
- Acceptable substitutes: CHMX046C

##### MAC2311 (GM) Calculus I (4 Credits)

Acceptable substitutes: MACX281

Prereq: MAC 1147

##### MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

Prereq: MAC 2311

##### MAC2313 (GM) Calculus III (4 Credits)

Acceptable substitutes: MACX283

Prereq: MAC 2312

##### PHYSICS REQUIREMENT:

- PHY 2048 Calculus Physics I
- PHY 2048L Calculus Physics I Lab
- PHY 2049 Calculus Physics II
- PHY 2049L Calculus Physics II Lab

#### Contextual Courses (19 credits)

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BSC1010C General Biology I (4 Credits)

BSC1011C General Biology II (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

##### ORGANIC REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II lab

#### Major Requirements (32 credits)

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Courses must be taken in prerequisite order. Grades of C or above must be earned in all physics requirements.

PHY1024 Intro Phys for New Majors (1 Credit)

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L Modern Physics Lab (1 Credit)

Coreq: PHY 3101

PHZ3113 Mathematical Physics (3 Credits)

Prereq: PHY 2049 & MAC 2313; Coreq: MAP 2302

PHY3220 Classical Mechanics (4 Credits)

Prereqs: PHY 2049 & MAC 2313

Coreq: MAP 2302

PHY3320 Electricity and Magnetism (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY3424C Optics with Laboratory (4 Credits)

- Prereq: PHY 2049 and MAC 2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049 & MAC 2313

PHY4604 Quantum Mechanics (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4523 Thermodyn and Statistical Mech (4 Credits)

Prereqs: PHY 3101, MAC 2313 & MAP 2302

### Major Electives (12 credits)

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SELECT 12-13 HRS FROM THE FOLLOWING:

- BSC 2012C Biology III
- BCH 4033 Biochemistry
- BCH 4033L Biochemistry lab
- CHM 3120C Quantitative Analytical Chemistry
- PCB 3023C Molecular & Cell Biology
- PCB 3063C Genetics
- PHY 4802L Advanced Physics Lab
- PHY 4910 Physics Research & Seminar
- PHZ 3404 Solid State Physics
- PHZ 4303 Nuclear Physics

### Free Electives (4 credits)

---

SELECT 4 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).

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### Minor: Physics

#### Minor: Physics (20 credits)

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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 (4 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 3113 Mathematical Physics
- PHY 3220 Classical Mechanics
- PHY 3320 Electricity & Magnetism
- PHY 3424 Optics
- PHY 3722C Electronics for Scientists
- PHY 4604 Quantum Mechanics
- PHY 4523 Thermodynamics & Statistical Mechanics
- PHZ 3404 Solid State Physics
- PHZ 4304 Nuclear Physics



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- [Laboratory and Computing Facilities](#)

The College of Computing, Engineering and Construction (CEEC) 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 the

- Bachelor of Science in **Computing and Information Sciences** - with concentrations in Computer Science, Information Systems, Information Science, and Information Technology
- 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 the

- Master of Science in **Computing and Information Sciences** - with concentrations in Computer Science, Information Systems, and Software Engineering
- Master of Science in **Electrical Engineering**
- Master of Science in **Civil Engineering**
- Master of Science in **Mechanical Engineering**

The College also collaborates with the Coggin College of Business to support an M.B.A. concentration in **Construction Management**.

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## Accreditation

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The undergraduate computer science, information systems, information science, and information technology programs are accredited by the Computing Accreditation Commission (CAC) of ABET,

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<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

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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

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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

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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

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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

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[www.unf.edu/ccec/facilities/](http://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 advanced School of Computing (SoC) laboratories are configured specifically to support upper-level and graduate instruction and research in robotics, data engineering, software development, mobile computing, computer security, 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, 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.

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.

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# College of Computing, Engineering and Construction

## Contact Information

### Dean's Office

**Mark A. Tumeo, Ph.D.**, Dean & Professor

**Sherif A. Elfayoumy, Ph.D.**, Associate Dean & Associate Professor

**Location:** Science and Engineering Building (Building 50), Room 3400

**Phone:** (904) 620-1350

**Website:** [www.unf.edu/ccec/](http://www.unf.edu/ccec/)

### Mailing Address:

University of North Florida  
Science and Engineering Building  
1 UNF Drive, Building 50  
Jacksonville, Florida 32224-7699

### School of Computing

**Director:** Asai Asaithambi, 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/](http://www.unf.edu/ccec/computing/)

### School of Engineering

**Director:** Murat Tiryakioğlu, Ph.D., P.E.

**Location:** Science and Engineering Building (Building 50)  
School of Engineering, Room 2500

**Phone:** (904) 620-1390

**Fax:** (904) 620-1391

**Web Address:** [www.unf.edu/ccec/engineering](http://www.unf.edu/ccec/engineering)

### Construction Management Department

**Chair:** Maged Malek, Ph.D., AM., ASCE

**Location:** Science and Engineering Building (Building 50)  
Construction Management, Room 2400

**Phone:** (904) 620-2683

**Fax:** (904) 620-2573

**Web Address:** [www.unf.edu/ccec/construction](http://www.unf.edu/ccec/construction)

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# College of Computing, Engineering and Construction Academic Advising

### School of Computing Advising Office:

**John E. Mathews Jr. Building (Building 15/Room 3201)**

**Edwin G. Harris II, M.S.**, Instructor & Academic Advisor

**Elise Marshall, M.S.**, Instructor & Academic Advisor

### School of Engineering Advising Office:

**Science and Engineering Building (Building 50/Room 2300)**

**Eileen Pesantes-Tauares, Ph.D. P.E.**, Instructor & Academic Advisor

**Ehsan Maleki, Ph.D.** Instructor & Academic Advisor

### Construction Management Advising Office:

**Science and Engineering Building (Building 50/Room 2200)**

**James Sorce, MBA**, CCEC Lead Academic Advisor & Instructor

Academic Advising in the College of Computing, Engineering, and Construction is provided by professionals in their respective fields, who are members of our teaching faculty. These individuals have the academic qualifications to teach in their academic units and have real-world work experiences in their disciplines. 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. Each student must review a degree evaluation (program of study) with his or her academic advisor in the college by the end of their first semester at UNF. 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](http://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](#)

The following policies apply to all undergraduate students in the College of Computing, Engineering, and Construction.

## [Dual Degrees at UNF](#)

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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](#)

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Double majors within the same degree are not permitted in this college.

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## [Multiple Minors](#)

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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

## Computing and Engineering

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ABET accreditation is a significant achievement. Accreditation assures that a program has met quality standards set by the profession. To employers, graduate schools, and licensure, certification, and registration boards, graduation from an accredited program signifies adequate preparation for entry into the profession.

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>.

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

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The Construction Management Program is accredited by the [American Council for Construction Education](#) (ACCE), 1717 North Loop 1604 East, Suite 320, San Antonio, TX 78232-1570 -- telephone: (210) 495-6161.

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- [Civil Engineering, BS](#)
- [Computing & Information Sciences - Computer Science, BS](#)
- [Computing & Information Sciences - Information Science, BS](#)
- [Computing & Information Sciences - Information Systems/Business Minor, BS](#)
- [Computing & Information Sciences - Information Technology, BS](#)
- [Electrical Engineering - Engineering, BSEE](#)
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### Summary Program Descriptions:

- [Building Construction Program](#)
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- [Information Systems Program](#)
- [Information Science 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 Systems, Information Science, Information Technology, Electrical, Mechanical, and Civil Engineering and Construction Management. Undergraduate degrees offered are the Bachelor of Science in Computer and Information Sciences, 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, engineering, and information systems job market or continue in advanced studies at UNF and other institutions of higher learning.

## Building Construction Program

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The Construction Management 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.

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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.

## **Computer Science Program**

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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 emphasizes course work in computational structures, systems software, data structures, artificial intelligence, algorithms, data modeling, modeling and simulation, computer graphics, compilers, operating systems, interfacing, computer architecture, robotics, and other applications and theory.

Graduates will be prepared for careers in systems development and programming involving compiler, operating system and database design, modeling and simulation, artificial intelligence and robotics, computer graphics, computer architecture and interfacing, computer communications and scientific applications.

The Computer Science Program requires a strong background in mathematics and science, including calculus and calculus-based physics. It is recommended for those interested in the more technically and scientifically oriented areas of computing.

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## **Information Systems Program**

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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 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.

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## **Information Science Program**

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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.

## **Accelerated Computer Science BS / MS Program**

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The School of Computing offers a unique opportunity for students who are intellectually mature to seek both the bachelor and master's degrees in Computer Science (CS) in an accelerated program of study. Committed students who are academically prepared can take advantage of beginning a Master of Science (MS) program prior to completion of the final year of the Bachelor of Science (BS) degree. The study of computer science requires a strong background in mathematics and science, including calculus and calculus-based physics. It is recommended for those interested in the more technically and scientifically oriented areas of computing.

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## **Information Technology Program**

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In an effort to meet the demands of an ever-changing technology market, the school offers a program in Information Technology with concentrations in Computer Networking, Mobile Computing, and Computer Security Administration. 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, 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 selecting one of three available concentrations, students attain expertise in an area of growing demand.

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## **Civil Engineering Program**

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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.

## **Electrical Engineering Program**

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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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## **Mechanical Engineering Program**

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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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# College of Computing, Engineering and Construction Undergraduate Minors

The College of Computing, Engineering, and Construction offers four university-wide minors.

- [Computer Science](#)
- [Construction Management](#)
- [Electrical Engineering](#)
- [Information Science](#)

Note: Majors in the School of Computing are restricted from taking the Computer Science or Information Science minors.

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## Graduate Transfer

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The residency requirement at UNF is 24 semester credit hours; 18 of which must be taken at the 6000 level. No student may earn a UNF graduate degree without 24 hours of UNF graduate course credit. It is also required that students earn a majority of credits toward their degrees at UNF.

Individual programs have particular requirements concerning transferring in credits; most graduate programs at UNF allow a student to transfer in approximately 20 percent of the overall graduate credits required for a degree (rounded up to the nearest number divisible by 3) from another regionally accredited institution, as allowable under the residency requirement and as approved on a course by course basis at the discretion of the appropriate graduate program director. Additional credits may be transferred in via special petition, subject to the approval of the appropriate graduate program director and the Graduate Dean. No student may transfer in more than 40 percent of the overall credits required for a degree.

A student who transfers in more than 20 percent of the credits required for a degree may not apply

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any credits earned as a transient student (hours taken at another institution while the student is matriculating at UNF) toward fulfillment of that degree's requirements without prior approval of the appropriate graduate program director and the Graduate Dean. Students wishing to enroll in courses at another institution for the purpose of transferring credits into their graduate program of study must complete a "Concurrent Enrollment" form and have prior approval from the appropriate graduate program director.

Additional credit transfer conditions:

1. The student must have completed the course work subject to the time limits applicable to his or her current graduate program.
2. The student must have earned grades of 3.0 or higher in the courses.
3. The student is not entitled to apply transfer credits toward the 18 hour minimum of 6000-level courses required for all master's degrees.
4. The student is not entitled to transfer credit for correspondence courses, courses included in a completed degree program, or portfolio-based experiential learning that has taken place prior to admission to the current graduate program.

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## Transient Student Admission

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### 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.

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## Readmission of Inactive Students

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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 update their admissions applications with the Graduate School. They must do so at least six weeks before the beginning of the term in which they wish to enroll. They will be responsible for meeting any new general admissions requirements or program specific requirements.

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## Graduate Program Course Level

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Eighteen (18) 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, or (4) field-based coursework connected to teacher certification programs.

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## **Degree Completion within Six Years**

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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 coursework for a doctoral degree must be completed within eight years. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

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## **Second Masters Residency**

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For a second master's degree, at least 24 hours of UNF graduate coursework in residency is required. Coursework counted in the fulfillment of any other UNF degree requirements cannot be counted toward this second master's residency requirement.

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## **Graduate Program Independent Learning**

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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.

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## **Credit Earned as Post-Baccalaureate**

---

A student may apply up to 10 hours of graduate course work taken at UNF as a post-baccalaureate. (Such credits will be included in the student's UNF graduate GPA.) The student must receive the approval of the Program Director, who will then inform The Graduate School.

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## **Graduate GPA Policy**

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The Graduate GPA includes all graduate credits taken 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 taken as a post-baccalaureate student, when those hours are not counted toward fulfillment of degree requirements, are not counted in the construction of the Graduate GPA. Undergraduate credits, no matter when they are taken, are not counted. Transfer credits are not counted, with the exception of joint international degree programs. All graduate credits from these programs are used to calculate the graduate GPA.

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## **Satisfactory Academic Progress**

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### **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 award 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 will be considered 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, he or she earns a D or F in a graduate course in his or her 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.

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## **Dismissing a Student from a Graduate Program**

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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.

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## **Graduate Dual International Degrees**

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Effective fall 2010, 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.

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## Graduate Admissions

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(1) The following are the minimum requirements for admission to graduate programs at the University of North Florida.

- a. 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
- b. An earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

(2) Applicants who hold baccalaureate degrees from an international institution must submit a course-by-course degree evaluation from a UNF and NACES approved evaluation service or, on exception, a course-by-course evaluation performed by the University's International Center.

(3) Additionally, all applicants to master's programs must meet the following specific requirements:

- a. Each master's program may determine other requirements for admission (e.g., standardized test scores, written essays, an interview), consistent with their mission and purpose. Any additional admissions requirements so imposed by masters programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the program website area of the Graduate School for the masters program; further, such requirements shall be reviewed and updated annually.
- b. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.
- c. The submitted materials must be used in the context of a holistic credential review process.

(4) Additionally, all applicants to doctoral programs must meet the following specific requirements:

- a. Each applicant to a doctoral degree program shall present standardized test scores that are acceptable for the program to which the student is applying. Acceptable tests include the Graduate Record Examination (verbal, quantitative, and writing), the Miller's Analogies Test, or the GMAT, whichever is deemed most appropriate by the program. Students, including international students, who already have a graduate degree obtained from a regionally accredited institution in the same or in a related area are not required to take the standardized test unless it is required by the program.
- b. Each doctoral program may determine other requirements for admission (e.g., letters of recommendation, a resume or a curriculum vita, a written essay, an

interview) consistent with their mission and purpose. Any additional admissions requirements so imposed by doctoral programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the website area of the Graduate School for the program; further, such requirements shall be reviewed and updated annually.

c. The submitted materials must be used in the context of a holistic credential review process annually.

d. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.

(5) The University may grant a limited number of exceptions to those applicants who do not meet the basic admission requirements. All applicants requesting an exception must submit GRE, GMAT, or MAT scores, as appropriate, prior to making the request. Students granted an exception will be placed in a provisional admission status for the graduate degree program that they wish to enter. Continuation as a graduate student will depend upon successful completion of provisional admission requirements and any subsequent work.

(6) Applicants from countries where the official language is other than English must achieve the minimum required test scores on the TOEFL or University of Cambridge IELTS as set by the University of North Florida.

(7) The following are required of all applicants:

- a. Application for admission;
- b. Non-refundable application fee in the amount set forth by the university;
- c. Transcripts from each college attended, whether or not credits were earned;
- d. Standardized Test Scores - only if required by the individual graduate program.

(8) Admission to graduate study is granted on an individual basis with a review of the entire academic record of the applicant, including quality of past performance, standardized test scores (if required), appropriateness of work taken, and suitable professional experience. To ensure that all pertinent application materials are received in time, applications for admission must be received by the published deadlines of the university and of the program to which the application is being made.

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## **Graduate Certificate Programs**

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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. This is done 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 one-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.

Student pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing."

All 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, 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 apply to the Graduate School, and the specific certificate program, and pay a new application fee.

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 fifty 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 his or her degree program.

The graduate certificate is not viewed as a guaranteed means of entry 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.**

1. All students applying for graduate level certificate programs will submit an application to The Graduate School.
2. The Graduate School will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the graduate certificate program is dependent on student eligibility and, if required, departmental approval.

### **Certificate and Transcripts**

Once the 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 Registrar and the Office of Enrollment Services Processing. All materials required to print and package the completion documents will also be housed within the Enrollment Services Processing Office.

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- [Computing & Information Sciences - Computer Science, MS](#)
- [Computing & Information Sciences - Information Systems, MS](#)
- [Computing & Information Sciences - Software Engineering, MS](#)
- [Electrical Engineering, MSEE](#)
- [Mechanical Engineering, MSME](#)

## Summary Program Descriptions:

- [Computer Science Program](#)
- [Information Systems Program](#)
- [Software Engineering Program](#)
- [Master of Science in Civil Engineering](#)
- [Master of Science in Electrical Engineering](#)
- [Master of Science in Mechanical Engineering](#)

The College of Computing, Engineering and Construction offers graduate degrees in the fields of Computer Science, Information Systems, Software Engineering, 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.

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.

## [Accelerated Computer Science Program \(BS / MS\)](#)

The School of Computing offers a unique opportunity for students who are intellectually mature to seek both the bachelor and master's degrees in Computer Science (CS) in an accelerated program of study. Committed students who are academically prepared can take advantage of beginning a Master of Science (MS) program prior to completion of the final year of the Bachelor of Science (BS) degree. The study of computer science requires a strong background in mathematics and science, including calculus and calculus-based physics. It is recommended for those interested in the more technically and scientifically oriented areas of computing.

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## **Computer Science Program (MS)**

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The Computer Science Program for the M.S. in Computer and Information Sciences is designed to add breadth and depth to a typical bachelor's degree program in computer science. Breadth must be demonstrated in the areas of computer networks, operating systems, algorithms, and databases. Depth must be accomplished in the areas of graphics/interfaces, networks, advanced systems, and data/language paradigms. Overall mastery of the discipline is demonstrated by submission of a master's thesis.

An academic background in Computer Science is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

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## **Information Systems Program (MS)**

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The Information Systems Program for the M.S. in Computer and Information Sciences is designed to build upon a bachelor's degree program in information systems that has substantial content in both software development and business practice. Technical core content provides hands-on software engineering that addresses software life-cycle, database engineering, and project management issues. Business core content is oriented towards e-commerce issues in management, marketing, and finance. Additional technical coursework in software engineering assures depth in one or more additional subject areas. Overall mastery of the discipline is demonstrated by submission of a master's thesis.

An academic background in Information Systems is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

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## **Software Engineering Program (MS)**

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The Software Engineering Program for the M.S. in Computer and Information Sciences is designed to build upon a CIS bachelor's degree program, which has substantial content in software development. Core content for the program emphasizes hands-on software engineering as practiced in this day and time. Additional coursework in software engineering assures depth in one or more subject areas. Experience in the practice of software engineering is emphasized by participation in a "real-world" supervised group project. Overall mastery of the discipline is demonstrated by submission of a master's thesis.

An academic background that includes software development principles and techniques is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

## **Master of Science in Civil Engineering (MSCE)**

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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 program director. All programs of study must contain at least 18 credits of 6000-level courses (including thesis and project credits).

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## **Master of Science in Electrical Engineering (MSEE)**

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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 program director. All programs of study must contain at least 18 credit hours of 6000-level courses (including thesis and project credits).

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## **Master of Science in Mechanical Engineering (MSME)**

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The program of study consists of 30 credits. All programs of study must be approved by the program 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 and project credit hours).

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# CCEC Distance Learning *Any Time, Any Place*

**R. Elaine Poppell, Sr. Broadcast Technologist**  
[rpoppell@unf.edu](mailto:rpoppell@unf.edu) (904) 620-1876

**Email:** [cec-dl@unf.edu](mailto: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 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 \$35 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/cccec/dl/>

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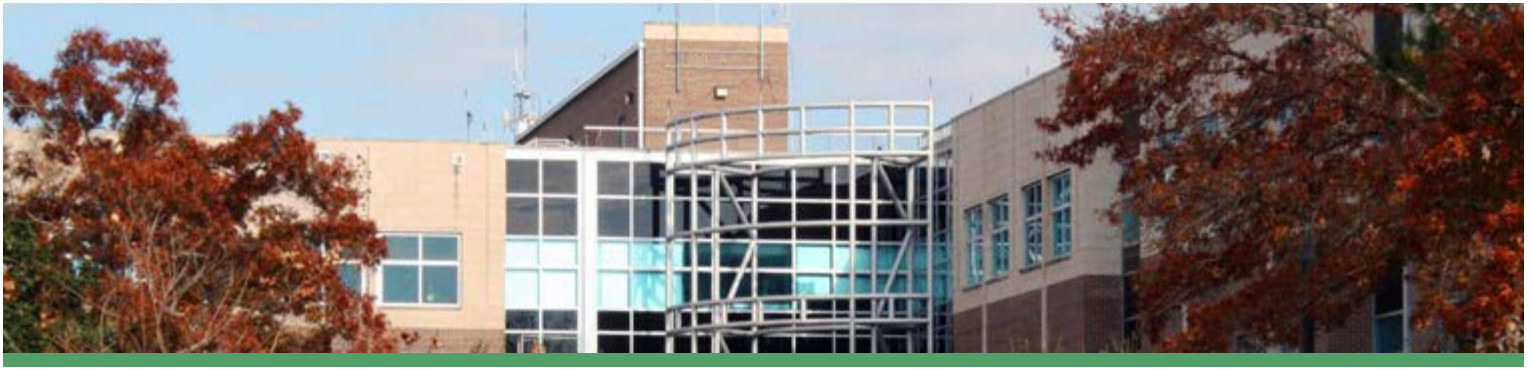
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# College of Computing, Engineering and Construction Student Groups and Organizations

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)
- Association of Information Technology Professionals (AITP)
- Institute of Electrical and Electronics Engineers (IEEE-CS)
- Upsilon Pi Epsilon Honor Society for the Computing Sciences (UPE)
- UNF Gaming and Applications Development Club (GAD)

## School of Engineering

- American Society of Mechanical Engineering (ASME)
- Institute of Electrical and Electronics Engineers (IEEE)
- American Society of Civil Engineers (ASCE)
- American Society of Highway Engineers (ASHE)
- Florida Structural Engineering Association (FSEA)
- American Society of Heating, Ventilation and Air Conditioning (HVAC)
- Society of Automotive Engineers (SAE)
- Florida Engineering Society (FES)
- Society of Women Engineers (SWE)

## Construction Management

- National Association of Home Builders (NAHB)
- American Building Contractors (ABC)
- Design-Build Institute of America (DBIA)

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# 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.

## 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 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 lower level Honors Program is open to freshmen and sophomores.

The upper level "Honors in the Major" program is open to juniors and seniors in the School of Computing. A student does not have to be in the lower level Honors Program to enroll in the upper level "Honors in the Major" program.

The "Honors in the Major" program in the School of Computing includes experience with a faculty mentor, research experience, honors colloquium, and special recognition on the student's transcript and diploma.

Admission is competitive and limited to students with a cumulative GPA of 3.5 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 Computer Science BS / MS Program

The School of Computing offers a unique opportunity for students who are intellectually mature to seek both the bachelor and master's degrees in Computer Science (CS) in an accelerated program of study. Committed students who are academically prepared can take advantage of beginning a Master of Science (MS) program prior to completion of the final year of the Bachelor of Science (BS) degree. The study of computer science requires a strong background in mathematics and science, including calculus and calculus-based physics. It is recommended for those interested in the more technically and scientifically oriented areas of computing.

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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### Major: Computing & Info Sciences Concentration: Computer Science Degree: Bachelor of Science

#### Informational Text

---

Bachelor of Science in Computing & Information Sciences: (120 credit hours, including a min 54 upper level hrs)

- All course work must be completed with a grade of 'C' or better, unless otherwise noted.
- Once enrolled at UNF, any remaining prerequisites for the major / minor must be completed at UNF.

#### \*\*\* CIS Satisfactory Progress Policy \*\*\*

Students who do not successfully complete a CIS prerequisite or core requirement on the first attempt, including W, WP, or WF, will have one chance to repeat the course. Unsuccessful completion after two attempts will block registration for future computing courses. Exit Requirements:

1. Proficiency in a high-level programming language.
2. Spoken Presentation: To apply oral communications skills in the program, you will deliver up to two presentations in computing courses. If the first presentation is satisfactory, a second presentation will be waived.

#### Prerequisites

---

Computer Science Prerequisites: (9 courses - 27.0 semester hours)

CALCULUS 8.0 hours

MAC 2311 Calculus I (or MACX281)

MAC 2312 Calculus II (or MACX282)

COP 2220 Computer Science I

'C' is preferred and will be used in subsequent courses.

PHYSICS Calc-based Physics I & Lab

PHY 2048 University Physics I

PHY 2048L University Physics I Lab

(PHY2048C is an acceptable substitute.)

PHYSICS II Calc-based Physics II & Lab

PHY 2049 University Physics II

PHY 2049L University Physics II Lab

(PHY2049C is an acceptable substitute.)

SCIENCE 6.0 hrs of additional science

Select 2 science courses for science majors.\*\*\*

Appropriate prefixes include:

APB, AST, BCH, BOT, BSC, CHM, CHS, ESC, GLY, ISC, MCB, PCB, PHY, PHZ,  
PSC, ZOO.

--The following UNF courses, and courses with equivalent content, are acceptable for fulfilling the "science for science majors" requirement:

AST2002 Astronomy, BSC1010C General Biology I, BSC1011C General Biology II,  
CHM2045C General Chem I, CHM2046C General Chem II, and ESC2000  
(GLY2001C) Earth Science.

--The following UNF courses \*cannot\* be used:

BSC1005, BSC1930, PCB2050, BCH3023C, CHM1025C, PHY1020C, PHY2053/54,  
PSC3730.

-Consult with a CIS advisor before taking any other science. \*\*\*

#### Core Requirements (27 credits)

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Computer Science Foundation and Core: (8 courses - 27.0 semester hours)  
[CIS4253 Ethics required beginning Fall2006]

SPEECH Select any public speaking\*SPC  
COT3100 Computational Structures (3 Credits)  
COP3503 Computer Science II (3 Credits)  
COP3530 Data Structures (4 Credits)  
COP3404 Intro to Systems Software (4 Credits)  
(renumbered from COP3601 in Fall 2011)  
CDA3101 Introduction Computer Hardware (4 Credits)  
COT3210 Computability And Automata (3 Credits)  
CIS4253 Legal & Ethical Iss in Comput (3 Credits)

### Major Requirements (16 credits)

---

Computer Science Major Requirements: (5 courses - 16 semester hours)

SELECT ONE of the following courses:

- CDA 4503 (CNT4504) Networks/Distributed Processing
- COP 4813 Internet Programming

COP4710 Data Modeling (3 Credits)  
COP4610 Operating Systems (3 Credits)  
COP4620 Constr of Language Translators (4 Credits)  
CEN4010 Software Engineering (3 Credits)  
(renumbered from CIS4251 in Fall 2011)

### Major Electives (9 credits)

---

Computer Science Major Electives: (3 courses - 9 credit hours)

SELECT 3 courses for 9 credits

Select 3 Courses for a minimum of 9.0 hours: \*\*\*

- CAP 4630 Intro to Artificial Intelligence
- CAP 4660C AI Robotics
- CAP 4710 Computer Graphics
- CAP 4770 Data Mining
- CEN 4510 Computer Communications
- CEN 4516 Networks/Distributed Processing
- CDA 4503 (CNT4504) Computer Networks/Distrib Process
- CEN 4610 Knowledge Engineering
- CEN 4943 Software Development Practicum
- CEN 4801 Systems Integration
- CIS 4362 Computer Cryptography
- COP 4300 (CAP 4831) Discrete Systems Modeling/Simulation
- COP 4813 Internet Programming
- COT 4400 Analysis of Algorithms
- COT 4470 Introduction to Music Informatics
- COT 4560 Applied Graph Theory
- CDA 4102 Intro to Computer Architecture
- CDA 4102L Intro to Computer Architecture Lab  
-- (Note CDA4102 must be taken with lab.)  
-- Other qualifying elective courses may be offered as Special Topics. See School of Computing for list of approved courses.  
-- Directed Independent Study courses may not be used to satisfy major or minor electives without prior permission from SoC Director.

### Contextual Courses

---

Computer Science Contextual Courses: (2 courses - 8.0 semester hours)

An overall average of C or better is required in the contextual coursework.

MAS3105 (GM) Linear Algebra (4 Credits)  
STA4321 (GM)Probability and Statistics (4 Credits)

## Exit Requirement

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Exit Requirement: Computer & Information Sciences Oral Communication (Spoken Presentation)  
To apply oral communications skills in the program, all CIS majors will deliver up to two presentations in computing courses for evaluation of presentation skills. If the first presentation is satisfactory, a second evaluated presentation will be waived.

## Electives

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Select additional courses as necessary to attain 54 upper level (3000-4000) hours.  
The Computer Science major requirements provide 57 upper hours.

UPPER-LVL FREE ELECTIVES (3000-4000) \*\*

## Electives

---

Select additional courses as necessary to attain a total of 120 hours. This area may include hours at any level (1000-4000).

[Advisor will adjust this area based on individual needs.]

ANY-HOURS FREE ELECTIVES (1000-4000) \*\*

## Table of Contents

### Major: Computing & Info Sciences Concentration: Information Science Degree: Bachelor of Science

#### Informational Text

---

Bachelor of Science in Computing & Information Sciences: (120 credit hours, including a min 54 upper level hrs)

- All course work must be completed with a grade of 'C' or better, unless otherwise noted.
- Once enrolled at UNF, any remaining prerequisites for the major / minor must be completed at UNF.

#### \*\*\* CIS Satisfactory Progress Policy \*\*\*

Students who do not successfully complete a CIS prerequisite or core requirement on the first attempt, including W, WP, or WF, will have one chance to repeat the course. Unsuccessful completion after two attempts will block registration for future computing courses. Exit Requirements:

1. Proficiency in a high-level programming language.
2. Spoken Presentation: To apply oral communications skills in the program, you will deliver up to two presentations in computing courses. If the first presentation is satisfactory, a second presentation will be waived.

#### Prerequisites

---

Information Science Prerequisites: (4 courses - 12.0 semester hours)

All course work must be completed with a grade of C or better.

MAC2233 (GM)Calculus for Business (3 Credits)  
(MAC2311 may be used.)

CGS1570 Microcomputer Applica Software (3 Credits)  
STA2023 (GM) Elem Statistics-Business (3 Credits)  
(STA2014 may be used.)

COP2551 Introduction to OO Programming (3 Credits)  
Introductory Programming in C, C++, JAVA, or equivalent language. UNF courses use JAVA and JAVA is highly recommended.

#### Foundation

---

Information Science Foundation: (4 courses - 13.0 semester hours)

SPEECH Select any public speaking\*SPC

COP2010 Intro to Visual Proc Prog (3 Credits)  
COP 2010 or a procedural programming language is required. Visual BASIC is preferred and will be used in subsequent courses.

COT3100 Computational Structures (3 Credits)  
COP3855 Web Access and System Design (4 Credits)

#### Core Requirements

---

Information Science Core Requirements: (3 courses - 10.0 semester hours)

COP3538 Data Structures Using OOP (4 Credits)  
(renumbered from COP3540 in Fall 2011)

COP4640 OS Env Admin (3 Credits)  
CIS4253 Legal & Ethical Iss in Comput (3 Credits)

#### Major Requirements (12 credits)

---

Information Science/Systems Major Requirements: (4 courses - 12.0 semester hours)

COP4720 Database Systems (3 Credits)

CIS4327 Information Syst Sr Project I (3 Credits)  
CIS4328 Information Syst Sr Project II (3 Credits)  
CNT4504 Computer Networks/Dist Process (3 Credits)

## Major Electives (12 credits)

---

Information Science Major Electives: (4 courses - 12 credit hours)

SELECT 12 credit hours of electives

Select 4 Courses for a minimum of 12.0 hours:

- CAP 4730 Graphic Systems/Applications
- CAP 4020 Multimedia Systems
- CAP 4770 Data Mining
- CAP 4772 Data Warehousing
- CDA 3101 Intro Computer Hardware
- CDA 4503 (CNT4504) Comp Networks/Distributed Processing
- CDA 4011 (4010) Office Automation/Human Factors
- CEN 4516 Networks/Distributed Processing
- CEN 4801 Systems Integration
- CIS 4100 System Performance/Evaluation
- CIS 4362 Computer Cryptography
- CIS 4510 Expert Systems/Decision Support
- COP 3543 Enterprise Computing
- COP 4640 Operating Systems Environments
- COP 4722 Database Systems II
- COP 4813 Internet Programming
- COP 4723 Database Administration
- COT 4470 Introduction to Music Informatics
- COT 4560 Applied Graph Theory

-- Other qualifying elective courses may be offered as Special Topics. See School of Computing for list of approved courses.

-- Directed Independent Study courses may not be used to satisfy major or minor electives without prior permission from SoC Director.

## Exit Requirement

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Exit Requirement: Computer & Information Sciences Oral Communication (Spoken Presentation)

To apply oral communications skills in the program, all CIS majors will deliver up to two presentations in computing courses for evaluation of presentation skills. If the first presentation is satisfactory, a 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

---

Select additional courses as necessary to attain 54 upper level (3000-4000) hours.

\*Note: This area is MET by default, initially. Should more upper hours be required, it will be adjusted.\*

The Info Science major requirements provide 41 upper hours, plus those provided by the minor.

The Info Systems major provides 56 upper hours.

\*(This total will be adjusted by advisor depending on hours used in other areas.)

UPPER-LVL FREE ELECTIVES (3000-4000)

## Electives

---



Select, as necessary, additional courses at any level (1000-4000) to attain 120 hours.  
(The usual amount is 3.0 hrs at any level. This total may be adjusted by advisor depending on hours used in other areas.)

ANY-LEVEL FREE ELECTIVES (1000-4000)

## Table of Contents

### Major: Computing & Info Sciences Concentration: Information Sys/Business Minor Degree: Bachelor of Science

#### Informational Text

---

Bachelor of Science in Computing & Information Sciences: (120 credit hours, including a min 54 upper level hrs)

- All course work must be completed with a grade of 'C' or better, unless otherwise noted.
- Once enrolled at UNF, any remaining prerequisites for the major / minor must be completed at UNF.

#### \*\*\* CIS Satisfactory Progress Policy \*\*\*

Students who do not successfully complete a CIS prerequisite or core requirement on the first attempt, including W, WP, or WF, will have one chance to repeat the course. Unsuccessful completion after two attempts will block registration for future computing courses. Exit Requirements:

1. Proficiency in a high-level programming language.
2. Spoken Presentation: To apply oral communications skills in the program, you will deliver up to two presentations in computing courses. If the first presentation is satisfactory, a second presentation will be waived.

#### Prerequisites

---

Information System Prerequisites: (8 courses - 24.0 semester hours)

All course work must be completed with a grade of C or better.

Note: UNF requires two high level programming languages for Info Systems majors. COP2010 is also required.

ACG2021 Prin of Financial Accounting (3 Credits)

ACG2071 Prin Managerial Accounting (3 Credits)

ECO2013 Principles of Macroeconomics (3 Credits)

ECO2023 Principles of Microeconomics (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

STA2023 is preferred. STA2122 may be used.

MAC2233 (GM)Calculus for Business (3 Credits)

CGS1570 Microcomputer Applica Software (3 Credits)

CGS1570 is preferred. CGS1100 or CGS1060 may be used.

COP2551 Introduction to OO Programming (3 Credits)

High level programming language is required. JAVA is used in subsequent UNF courses and is highly recommended.

#### Foundation

---

Information Systems Foundation: (4 courses - 13.0 semester hours)

SPEECH Select any public speaking\*SPC

COP2010 Intro to Visual Proc Prog (3 Credits)

Visual BASIC is preferred and will be used in subsequent courses.

COT3100 Computational Structures (3 Credits)

COP3855 Web Access and System Design (4 Credits)

#### Core Requirements

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Information Systems Core Requirements: (6 courses - 19.0 semester hours)

COP3538 Data Structures Using OOP (4 Credits)

COP4640 OS Env Admin (3 Credits)

CIS4253 Legal & Ethical Iss in Comput (3 Credits)

ISM4011 Intro Management Info Systems (3 Credits)

MAN3025 Administrative Management (3 Credits)  
FIN3403 Financial Management (3 Credits)

### **Major Requirements (12 credits)**

---

Information Science/Systems Major Requirements: (4 courses - 12.0 semester hours)

COP4720 Database Systems (3 Credits)  
CIS4327 Information Syst Sr Project I (3 Credits)  
CIS4328 Information Syst Sr Project II (3 Credits)  
CNT4504 Computer Networks/Dist Process (3 Credits)

### **Major Electives (12 credits)**

---

Information Systems Major Electives: (4 courses - 12 credits)

SELECT 12 credits of electives

Select 4 Courses for a minimum of 12.0 hours:

- CAP 4730 Graphic Systems/Applications
- CAP 4020 Multimedia Systems
- CAP 4770 Data Mining
- CAP 4772 Data Warehousing
- CDA 3101 Intro Computer Hardware
- CDA 4503 (CNT4504) Comp Networks/Distributed Processing
- CDA 4011 (4010) Office Automation/Human Factors
- CEN 4516 Networks/Distributed Processing
- CEN 4801 Systems Integration
- CIS 4100 System Performance/Evaluation
- CIS 4362 Computer Cryptography
- CIS 4510 Expert Systems/Decision Support
- COP 3543 Enterprise Computing
- COP 4640 Operating Systems Environments
- COP 4722 Database Systems II
- COP 4723 Database Administration
- COT 4470 Introduction to Music Informatics
- COT 4560 Applied Graph Theory
- COP 4813 Internet Programming
- MAN 4082 e-Business Strategy
- MAN 4583 Project Management

-- Other qualifying elective courses may be offered as Special Topics. See School of Computing for list of approved courses.

-- Directed Independent Study courses may not be used to satisfy major or minor electives without prior permission from SoC Director.

### **Minor Electives (6 credits)**

---

Information Systems Minor Electives: (2 courses - 6.0 semester hours)

SELECT 2 courses - 6.0 hours from:

- BUL 3130 Legal Envir of Business
- MAN 3504 Prod-Oper-Logistics Mangmnt
- MAR 3023 Princ of Marketing

Note: A total of 12 upper level hours of business courses must be taken at UNF.

### **Exit Requirement**

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Exit Requirement: Computer & Information Sciences Oral Communication (Spoken Presentation)  
To apply oral communications skills in the program, all CIS majors will deliver up to two presentations in computing courses for evaluation of presentation skills. If the first presentation is satisfactory, a second evaluated presentation will be waived.

## Electives

---

Select additional courses as necessary to attain 54 upper level (3000-4000) hours.

\*Note: This area is MET by default, initially. Should more upper hours be required, it will be adjusted.\*

The Info Science major requirements provide 41 upper hours, plus those provided by the minor.

The Info Systems major provides 56 upper hours.

\*(This total will be adjusted by advisor depending on hours used in other areas.)

UPPER-LVL FREE ELECTIVES (3000-4000)

## Electives

---

Select, as necessary, additional courses at any level (1000-4000) to attain 120 hours.

(The usual amount is 3.0 hrs at any level. This total may be adjusted by advisor depending on hours used in other areas.)

ANY-LEVEL FREE ELECTIVES (1000-4000)

## Table of Contents

### Major: Computing & Info Sciences Concentration: Information Technology Degree: Bachelor of Science

#### Informational Text

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Bachelor of Science in Computing & Information Sciences: (120 credit hours, including a min 54 upper level hrs)

- All course work must be completed with a grade of 'C' or better, unless otherwise noted.
- Once enrolled at UNF, any remaining prerequisites for the major / minor must be completed at UNF.

#### \*\*\* CIS Satisfactory Progress Policy \*\*\*

Students who do not successfully complete a CIS prerequisite or core requirement on the first attempt, including W, WP, or WF, will have one chance to repeat the course. Unsuccessful completion after two attempts will block registration for future computing courses. Exit Requirements:

1. Proficiency in a high-level programming language.
2. Spoken Presentation: To apply oral communications skills in the program, you will deliver up to two presentations in computing courses. If the first presentation is satisfactory, a second presentation will be waived.

#### Prerequisites

---

Information Technology Prerequisites: (5 courses - 15 credit hours)

All course work must be completed with a grade of C or better.

MAC2233 (GM)Calculus for Business (3 Credits)

MAC2233 Calculus for Business

MAC2311 Calculus I is also acceptable.

CGS1570 Microcomputer Applica Software (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

SPEECH Select any public speaking\*SPC

COP2551 Introduction to OO Programming (3 Credits)

An Introductory course in Object-Oriented Programming. Subsequent UNF courses will use JAVA. A course in JAVA is highly recommended.

#### Core Requirements (32 credits)

---

Information Technology Core Requirements: (10 courses - 32 credit hours)

COT3100 Computational Structures (3 Credits)

COP3538 Data Structures Using OOP (4 Credits)

(renumbered from COP3540 in Fall 2011)

CGS4307 Info Proc: Organizational Pers (3 Credits)

CGS4308 Info Proc: Req Identi Spec (3 Credits)

CDA3101 Introduction Computer Hardware (4 Credits)

CIS4253 Legal & Ethical Iss in Comput (3 Credits)

CIS4360 Gen Cmp Security Adm (3 Credits)

CDA4010 Human Factrs/Collabr Cmpt (3 Credits)

COP4813 Internet Programming (3 Credits)

CNT4504 Computer Networks/Dist Process (3 Credits)

#### Major Requirements

---

Information Technology Major Requirements: Select one concentration (9-15 credits)

C 1. Computer Networking

\*Concentration in Computer Networking: (9 hrs)

- CNT 4704 Network Design/Planning

- CNT 4406 Network Security/Management
- CIS 4100 Systems Performance & Evaluation

## C 2. Gaming and Mobile Applications

\*Concentration in Gaming and Mobile Applications: (14 credit hours)

- CNT 4514C (CEN 4533C) Wireless/Mobile Computing
- CEN 4535C Development of Gaming/Mobile Applications
- CIS 4593 Gaming and Mobile Apps Capstone I
- CIS 4594 Gaming and Mobile Apps Capstone II

## C 3. Computer Security Admin

\*Concentration in Computer Security Administration: (15 credit hours)

- CIS 4365 Security & Disaster Preparedness
- CIS 4615 Evaluating Software for Security
- CNT 4406 Network Security and Management
- CIS 4364 IS Intrusion Detection
- CIS 4366 Computer Forensics

## Technical Electives (6 credits)

---

Information Technology Technical Electives: (minimum of 6 credit hours - 2 courses)

SELECT 12hrs upper technology courses

Select a minimum of 6 credit hours of upper-level technology courses from the following technical subject areas:

CAP, CDA, CEN, CIS, CNT, COP, COT

[\*\*NOTE: 3000-level programming courses are excluded\*\*]

-- Other qualifying elective courses may be offered as special topics. See School of Computing for list of approved courses.

-- Directed Independent Study courses may not be used to satisfy major or minor electives without prior permission from SoC Director. (\*\*\*\*)

## Exit Requirement

---

Exit Requirement: Computer & Information Sciences Oral Communication (Spoken Presentation)

To apply oral communications skills in the program, all CIS majors will deliver up to two presentations in computing courses for evaluation of presentation skills. If the first presentation is satisfactory, a second evaluated presentation will be waived.

## Electives

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ITech Free Electives - Upper ( 1.0 - 4.0 credits, depending on IT concentration selected.)

Select additional courses as necessary to attain 54 upper level (3000-4000) hours.

The Info Technology major requirements provide at least 50 upper hours. Free electives (or a minor) provide the remaining hours.

(This total may be adjusted by advisor depending on hours used in other areas.)

UPPER-LVL FREE ELECTIVES (3000-4000)

## Electives (21 credits)

---

Select additional courses as necessary to attain 120 hours.

(66 hrs beyond the 54 upper are required. These are usually: gen ed (36) + IT prereqs (12) + free electives (21) \*. [\*assumes calc & stats are used in gen ed.] This total may be adjusted by advisor depending on hours used in other areas.)

ANY-LEVEL FREE ELECTIVES (1000-4000)

## Table of Contents

### Major: Computing & Info Sciences Concentration: Computer Science Degree: Master of Science

#### Major Requirements (36 credits)

---

Computer Science Requirements: (36.0 credit hours)

Conditions for the Masters:

- 1. All courses applied to the degree must be completed with a grade of 'B' or better.
- 2. A minimum of 21 credit hours must be taken at the 6000-level in the School of Computing.
- 3. No more than 6 credit hours taken outside of the School can be included in the degree.
- 4. No more than 15 credit hours of 5000-level courses can be applied to the degree.
- 5. No more than 6 credit hours of Directed Independent Study can be applied to the degree.
- 6. GPA of 3.0 or better must be maintained. A GPA below 3.0 or a grade of 'C' in three courses results in automatic probation.
- 7. A student on probation who subsequently receives a 'C' is subject to suspension. Receipt of a grade below 'C' results in immediate eligibility for suspension.

#### Comp Sci - Depth

Depth Requirement: (4 courses - 12.0 hrs)

Select one course from each group of two shown.

SELECT-A One:

CAP6100 Interface Design and Implementation  
CAP6400 Graphics Image Recognition/Manipulation

SELECT-B One:

CDA6506 Network Architecture & Client/Server Computing  
CIS6302 Distributed and Internet Systems

SELECT-C One:

COP6611 Advanced Operating Systems  
COP6616 Parallel Computing

SELECT-D One:

COP6735 Developments in Database Structures  
COP6557 Programming Language Design Paradigms

#### Comp Sci - Breadth&Major Reqs

Major Requirements: (4 courses - 12.0 hrs)

Breadth + Major requirements must equal a total of 12 semester hours.

\* Any hours short of 12 in the Breadth category must be selected from the Major Req list below.

\* Courses may not count for both the Depth and Major requirements.

BREADTH Requirement: (optional)

The following courses must be taken if the equivalent was not covered in undergraduate studies.

- CDA5505 Networks & Distributed Systems
- COP5615 Operating Systems
- COP5716 Data Modeling & Performance
- COT5405 Algorithms & Complexity

MAJOR Requirements:



Any hours short of 12 in the Breadth category must be selected from the list below.  
Courses may not count for both the Depth and Major requirements.

- CAP6100 Interface Design & Implementation
- CAP6400 Graphics Image Recognition/Manipulation
- CAP6671 Intelligent Systems
- CDA6011/CEN6036 Web Engineering
- CDA6506 Network Arch Client/Server Computing
- CIS6302 Distributed and Internet Systems
- COP6557 Programming Language Design Paradigms
- COP6611 Advanced Operating Systems
- COP6616 Parallel Computing
- COP6735 Developments in Database Structures

## **CS & SE - Research + Electives**

Thesis and Major Electives: (12.0 hrs)

Enroll in the Thesis course CIS 6970 for at least two successive terms. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor. Upon satisfactory completion of the Thesis, the student defends the Thesis in an open presentation to the satisfaction of the student's Thesis Committee.

RESEARCH Thesis --  
CIS 6970 Thesis (6.0 hrs)

ELECTIVES (6 hrs for total 12 hrs)

Select sufficient credits at the graduate level to earn a total of 36.0 hours.

CAP CDA CEN CIS CNT COP COT

- Select at least 6 credits of electives.  
Note: CEN 6016 Engineering of Software I must be elected if the student's undergraduate coursework does not include a course equivalent to CIS 4251 Software Development.

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### Major: Computing & Info Sciences Concentration: Information Systems Degree: Master of Science

#### Major Requirements (36 credits)

---

Information Systems Requirements: (36.0 credit hours)

Conditions for the Masters:

- 1. All courses applied to the degree must be completed with a grade of 'B' or better.
- 2. A minimum of 21 credit hours must be taken at the 6000-level in the School of Computing.
- 3. No more than 6 credit hours taken outside of the School can be included in the degree.
- 4. No more than 15 credit hours of 5000-level courses can be applied to the degree.
- 5. No more than 6 credit hours of Directed Independent Study can be applied to the degree.
- 6. GPA of 3.0 or better must be maintained. A GPA below 3.0 or a grade of 'C' in three courses results in automatic probation.
- 7. A student on probation who subsequently receives a 'C' is subject to suspension. Receipt of a grade below 'C' results in immediate eligibility for suspension.

#### Information Systems Core

Info Systems Core Requirements: (7 courses - 21.0 hrs)

includes 12 hrs of Information Systems courses and 9.0 hrs of Business courses.

CEN6016 Engineering of Software I (3 Credits)

CEN6017 Engineering of Software II (3 Credits)

COP6711 Database Engineering/Administr (3 Credits)

ISM6021 Mgmt Information Technology (3 Credits)

MAN6785 E-Business Strategy (3 Credits)

SELECT\_IS One from Info Systems:

CIS6516 Managing Software Projects & Personnel

MAN6026 Project Management

SELECT\_BS One from Business:

MAR6726 Marketing on the Internet

MAN6875 Entrepreneurship & Venture Capital

#### Info Sys - Research+Electives

Thesis and Major Electives: (15.0 hrs)

Enroll in the Thesis course CIS 6970 for at least two successive terms. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor. Upon satisfactory completion of the Thesis, the student defends the Thesis in an open presentation to the satisfaction of the student's Thesis Committee.

RESEARCH Thesis --

CIS 6970 Thesis (6.0 hrs)

ELECTIVES (9 hrs for total of 15 hrs)

Select sufficient credits at the graduate level to earn a total of 36.0 hours.

CAP CDA CEN CIS CNT COP COT

- Select at least 9 credits of electives.



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### Major: Computing & Info Sciences Concentration: Software Engineering Degree: Master of Science

#### Major Requirements (36 credits)

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Software Engineering Requirements: (36.0 credit hours)

Conditions for the Masters:

- 1. All courses applied to the degree must be completed with a grade of 'B' or better.
- 2. A minimum of 21 credit hours must be taken at the 6000-level in the School of Computing.
- 3. No more than 6 credit hours taken outside of the School can be included in the degree.
- 4. No more than 15 credit hours of 5000-level courses can be applied to the degree.
- 5. No more than 6 credit hours of Directed Independent Study can be applied to the degree.
- 6. GPA of 3.0 or better must be maintained. A GPA below 3.0 or a grade of 'C' in three courses results in automatic probation.
- 7. A student on probation who subsequently receives a 'C' is subject to suspension. Receipt of a grade below 'C' results in immediate eligibility for suspension.

#### Softw Engr - Core Reqs

Core Requirement: (4 courses - 12.0 hrs)

CEN6016 Engineering of Software I (3 Credits)

CEN6017 Engineering of Software II (3 Credits)

CEN6070 Software Quality Assur & Test (3 Credits)

COP6711 Database Engineering/Administr (3 Credits)

#### Soft Engr - Major + Practicum

Major Requirements & SE Practicum: (4 courses - 12.0 hrs)

CEN6940 Software Engineering Practicum (3 Credits)

SELECT 3 THREE:

- CAP6100 Interface Design/Implementation
- CDA6011/CEN6036 Web Engineering
- CDA6506 Network Arch & Client/Server Computing
- CIS6302 Distributed/Internet Systems
- CIS6101 Software Processes & Metrics
- CIS6516 Managing Software Projects/Personnel
- COP6735 Developmts in Database Structures

#### CS & SE - Research + Electives

Thesis and Major Electives: (12.0 hrs)

Enroll in the Thesis course CIS 6970 for at least two successive terms. In order to enroll in the Thesis course, the student must obtain the approval of the Graduate Director and a Thesis Advisor. Upon satisfactory completion of the Thesis, the student defends the Thesis in an open presentation to the satisfaction of the student's Thesis Committee.

RESEARCH Thesis --

CIS 6970 Thesis (6.0 hrs)

ELECTIVES (6 hrs for total 12 hrs)

Select sufficient credits at the graduate level to earn a total of 36.0 hours.

CAP CDA CEN CIS CNT COP COT

- Select at least 6 credits of electives.

Note: CEN 6016 Engineering of Software I must be elected if the student's undergraduate coursework does not include a course equivalent to CIS 4251 Software Development.

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### Major: Civil Engineering Degree: Bachelor of Science

#### Prerequisites (27 credits)

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A grade of C+ or higher is required in the calculus and physics courses. Grades of C or better are required in all other engineering prerequisite courses.

MATH Math requirement:

- MAC2311 Calculus I (4 Credits)
- MAC2312 Calculus II (4 Credits)
- MAC2313 Calculus III (4 Credits)
- MAP2302 Ordinary Diff. Equations (3 Credits)

- Students must complete Pre-Calculus at the college level with a "C" or higher to take Calculus I.

- MAC2281, 2282, and 2283 may be substituted for MAC2311, 2312, and 2313.

- MAP2305 may be substituted for MAP2302.

CHEMISTRY Chemistry requirement:

- CHM2045+L General Chemistry  
\*CHS1440 may be substituted for CHM2045. If CHS1440 is 4.0 cr hrs and includes lab, it may be used for CHM2045C.  
\*CHM2045C may be substituted for CHM2045&L.

PHYSICS I Physics I requirement:

- PHY1041 Physics for Engineers I (3 Credits)
- PHY2048L Calculus-based Physics I Lab (1 Credit)

- Students who did not successfully complete high school physics must complete PHY1020 Introduction to Physics + PHY1020L Introduction to Physics Lab with a "C" or higher before completing Calculus Physics I.

- Calculus-Based Physics has an additional prerequisite of Calculus I and a Co-Requisite of Calculus II.

- PHY2048C may be substituted for lecture and lab. - PHY2043 may be substituted for the lecture.

PHYSICS II Physics II requirement:

- PHY2042 Physics for Engineers II (3 Credits)
- PHY2049L Calculus-Based Physics II Lab (1 Credit)

- PHY2049C may be substituted for lecture and lab.

- PHY2044 may be substituted for the lecture.

#### Foundation (11 credits)

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Civil Engineering Foundation: (4 courses - 11 credit hours including natural science elective)

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)

EGN1001C Introduction to Engineering I (2 Credits)

EGN3311 Statics (3 Credits)  
STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

### Core Requirements (16 credits)

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Civil Engineering Core: (5 courses - 16 credit hours)  
CES3100 Analysis of Structures (3 Credits)  
CES3104C Mechanics of Materials (3 Credits)  
(or EGN3331 Strength of Materials)  
CGN3322C Civil Engineering Geomatics (4 Credits)  
CWR3201 Fluid Mechanics (3 Credits)  
EGN3321 Dynamics (3 Credits)

### Major Requirements (35 credits)

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Civil Engineering Major Requirements: (12 courses - 35 credit hours)  
CEG3011C Geotechnical Engineering (4 Credits)  
CES4702C Design of Reinforced Concrete (3 Credits)  
CGN3501C Civil Engineering Materials (3 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)

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Civil Engineering Technical Electives: (5 courses, 15 credit hours)  
Select fifteen hours from the courses listed below.

SELECT 15 credits from below

- CEG3111 Foundation Engineering (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)
- CWR4006 Coastal Processes
- CWR4010 Field Methods
- 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)
- Other 4000-level courses with prefixes CEG, CES, ENV, TTE, CWR, and CGN may be approved by a faculty advisor. (XSUB4000)

### Electives

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No additional hours should be necessary to reach 128 hrs. If necessary, select additional courses to attain a total of 128 hours. This area may include hours at any level (1000-4000).

ANY-HOURS FREE ELECTIVES (1000-4000)





## Table of Contents

### Major: Electrical Engineering Degree: BS in Electrical Engineering

#### Prerequisites (27 credits)

---

A grade of C+ or higher is required in the calculus and physics courses. Grades of C or better are required in all other engineering prerequisite courses.

MATH Math requirement:

- MAC2311 Calculus I (4 Credits)
- MAC2312 Calculus II (4 Credits)
- MAC2313 Calculus III (4 Credits)
- MAP2302 Ordinary Diff. Equations (3 Credits)

- Students must complete Pre-Calculus at the college level with a "C" or higher to take Calculus I.

- MAC2281, 2282, and 2283 may be substituted for MAC2311, 2312, and 2313.

- MAP2305 may be substituted for MAP2302.

CHEMISTRY Chemistry requirement:

- CHM2045+L General Chemistry  
\*CHS1440 may be substituted for CHM2045. If CHS1440 is 4.0 cr hrs and includes lab, it may be used for CHM2045C.  
\*CHM2045C may be substituted for CHM2045&L.

PHYSICS I Physics I requirement:

- PHY1041 Physics for Engineers I (3 Credits)
- PHY2048L Calculus-based Physics I Lab (1 Credit)

- Students who did not successfully complete high school physics must complete PHY1020 Introduction to Physics + PHY1020L Introduction to Physics Lab with a "C" or higher before completing Calculus Physics I.

- Calculus-Based Physics has an additional prerequisite of Calculus I and a Co-Requisite of Calculus II.

- PHY2048C may be substituted for lecture and lab. - PHY2043 may be substituted for the lecture.

PHYSICS II Physics II requirement:

- PHY2042 Physics for Engineers II (3 Credits)
- PHY2049L Calculus-Based Physics II Lab (1 Credit)

- PHY2049C may be substituted for lecture and lab.

- PHY2044 may be substituted for the lecture.

#### Foundation (16 credits)

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Electrical Engineering Foundation: (6 courses - 16 credit hours)

COP2220 Computer Science I (3 Credits)

EGN1001 Introduction to Engineering I (2 Credits)

EGN2009 Introduction to Engineering II (2 Credits)

EGN3311 Statics (3 Credits)

SELECT one of the following:

- EGN3321 Dynamics
- EML3100 Thermodynamics I

## Core Requirements

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Electrical Engineering Core: (16 courses - 49.0 semester hours)

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)  
EEE3308 Electronic Circuits I (3 Credits)  
EGN3203 Modern Computational Methods (3 Credits)  
EEL3472 Electromagnetic Fields Applic (3 Credits)  
EEL3701C Introduction Digital Systems (4 Credits)  
EEE4309C Electronic Circuits II (4 Credits)  
EEL4514 Communication Systems (3 Credits)  
EEL4657C Linear Control Systems (4 Credits)  
EEL4712C Digital Design (4 Credits)  
EEL4744C Microcontroller Applications (4 Credits)  
EEL4914 Senior Capstone Design I (1 Credit)  
EEL4915 Senior Capstone Design II (3 Credits)

## Technical Electives

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Electrical Engineering Technical Electives: (10.0 semester hours)

SELECT 10 credits from the following:

- EEL 3211 Intro to Electric Machines (3 Credits)
- EEE 4314L Advanced Electronics (2 Credits)
- EEE 4396 Solid State Electronic Devices (3 Credits)
- EEL 4440 Optical Fiber Communications (3 Credits)
- EEL 4514L Communications Systems Lab (1 Credits)
- EEL 4610 State-Space Control Systems (3 Credits)
- EEL 4713 Digital Computer Architecture (3 Credits)
- EEL 4713L Digital Computer Architecture Lab (1 Credit)
- EEL 4750 Intro to Digital Signal Processing (3 Credits)
- EEL 4750L Digital Signal Processing Lab (1 Credit)
- EEL 4829 Digital Electronic Imaging (3 Credits)
- EEL 4905 Individual Study (1-3, repeated for max 6)
- EEL 4949 Co-op Experience (0-1 Credit)
- EGN 3613 Economics for Engineers (2 Credits)
- COP 3503 Computer Science II (3 Credits)
- COP 3530 Data Structures (4 Credits)
- EEL 4930/1 Special Topics in EE (1-4 Credits)

## Table of Contents

### Major: Mechanical Engineering Degree: Bachelor of Science

#### Prerequisites (27 credits)

---

A grade of C+ or higher is required in the calculus and physics courses. Grades of C or better are required in all other engineering prerequisite courses.

MATH Math requirement:

- MAC2311 Calculus I (4 Credits)
- MAC2312 Calculus II (4 Credits)
- MAC2313 Calculus III (4 Credits)
- MAP2302 Ordinary Diff. Equations (3 Credits)

- Students must complete Pre-Calculus at the college level with a "C" or higher to take Calculus I.
- MAC2281, 2282, and 2283 may be substituted for MAC2311, 2312, and 2313.
- MAP2305 may be substituted for MAP2302.

CHEMISTRY Chemistry requirement:

- CHM2045+L General Chemistry  
\*CHS1440 may be substituted for CHM2045. If CHS1440 is 4.0 cr hrs and includes lab, it may be used for CHM2045C.  
\*CHM2045C may be substituted for CHM2045&L.

PHYSICS I Physics I requirement:

- PHY1041 Physics for Engineers I (3 Credits)
- PHY2048L Calculus-based Physics I Lab (1 Credit)

- Students who did not successfully complete high school physics must complete PHY1020 Introduction to Physics + PHY1020L Introduction to Physics Lab with a "C" or higher before completing Calculus Physics I.
- Calculus-Based Physics has an additional prerequisite of Calculus I and a Co-Requisite of Calculus II.
- PHY2048C may be substituted for lecture and lab. - PHY2043 may be substituted for the lecture.

PHYSICS II Physics II requirement:

- PHY2042 Physics for Engineers II (3 Credits)
- PHY2049L Calculus-Based Physics II Lab (1 Credit)

- PHY2049C may be substituted for lecture and lab.
- PHY2044 may be substituted for the lecture.

#### Foundation

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Mechanical Engineering Foundation: (7 courses - 18 credits)

- COP2220 Computer Science I (3 Credits)
- EEL3111 Circuit Analysis I (3 Credits)
- EGN1001C Introduction to Engineering I (2 Credits)
- EGN2009C Introduction to Engineering II (2 Credits)
- EGN3311 Statics (3 Credits)
- EGN3613 Economics for Engineers (2 Credits)
- STA3032 (GM) Prob/Statistics for Engrs (3 Credits)

#### Core Requirements

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Mechanical Engineering Core: (6 courses - 16.0 semester hours)

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 (1 Credit)  
EML4552 Senior Capstone Design II (3 Credits)

### Major Requirements

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Mechanical Engineering Major Requirements: (13 courses - 32.0 semester hours)

EMA3010 Intro to Materials Science (3 Credits)  
EML3015 Fluids I (3 Credits)  
EML3101 Thermodynamics II (3 Credits)  
EML3535C Modern Engineering CAD (2 Credits)  
EML4004L Energy Systems Lab (1 Credit)  
EML4126 Transport Phenomena (3 Credits)  
EML4140 Heat Transfer (3 Credits)  
EML4301L Mechanical Systems Laboratory (1 Credit)  
EML4304L Fluid Mechanics Lab (1 Credit)  
EML4312 Model/Analysis Dynamic Systems (3 Credits)  
EML4313 Control of Machinery (3 Credits)  
EML4320C Integrated Design/Manufacture (3 Credits)  
EML4501 Machine Design (3 Credits)

### Technical Electives (11 credits)

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Mechanical Engineering Technical Electives: (11 credit hours)

Select eleven hours from the courses listed below.

SELECT 11 credits from the following:

- EML 3553 Project Engineering I (3 Credits)
- EML 4016 Fluids II (3 Credits)
- EML 4414 Heat Power Engineering (3 Credits)
- EML 4048 Simulation of Production Systems (3 Credits)
- EML 4507 Finite Element Modeling & Analysis (3 Credits)
- EML 4544 Materials & Handling I (3 Credits)
- EML 4554 Project Engineering II (3 Credits)
- EML 4601 HVAC Systems (3 Credits)
- EML 4622 Clean & Renewable Energy Technology (3 Credits)
- EML 4804 Mechatronics (3 Credits)
- EML 4806 Robotics Engineering (3 Credits)
- EML 4905 Directed Independent Study (1-3 hrs)
- EML 4930 Special Topics: Mechanical Engineering (1-3)
- EML 4949 Co-op Work Experience (0-1 hr)

General Education

General Education Requirements not including mathematics and natural sciences (24 credit hours). Refer to the General Education section of the Catalog for specific details of the General Education requirements of the University. Note that the mathematics and science courses required in this program count towards the mathematics and natural sciences requirements of General Education.

### Electives

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No additional hours should be necessary.

If necessary, select additional courses to attain a total of 128 hours. This area may include hours at any level (1000-4000).

ANY-HOURS FREE ELECTIVES (1000-4000)



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### Major: Civil Engineering Degree: MS in Civil Engineering

#### Major Requirements

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MSCE Requirements: (30 credit hours)

The Civil Engineering master's degree consists of a minimum of 30 credit hours.

Students select from one of two degree options: (1) thesis or (2) non-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:

For more details on the below and additional conditions, 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. 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 12.0 hours from online graduate courses 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.

EGN6456 Advanced Engineering Analysis (3 Credits)

or approved substitute graduate mathematics course. See list of approved electives in the School of Engineering office.

EGN6457 Adv. Res. Methods for Engineer (3 Credits)

RESEARCH for Thesis option --

Thesis option: Select 6 credits of CGN 6970 CE Thesis.

(Non-thesis option will select 6 credits of additional electives, as indicated below.)

SELECT Required Electives --

1. Civil Engineering Electives: select a minimum of 12 credits from the list below or other CE electives approved by the Graduate Advisor.
  - CEG 5304 Applied Engineering Geology
  - CEG 6016 Advanced Geotechnical Engineering
  - CEG 6018 Applied Computational Geotechnics
  - CEG 6118 Advanced Foundation Engineering
  - CEG 6320 Drilled Shafts in Rock
  - CEG 6515 Earth Retaining Sys/Slope Stability
  - CEG 6806 Ground and Site Improvement
  - CES 5326 Bridge Engineering
  - CES 5706 Advanced Reinforced Concrete
  - CES 6144 Matrix Structural Analysis



- o CES 6715 Prestressed Concrete
- o CES 6116 Finite Element
- o CGN 6875C Adv Concrete Materials/Methods
- o CWR5125 Groundwater Flow and Containment Transport
- o CWR 5545 Water Resources Systems
- o CWR 5305 Stormwater Management
- o CWR 6005 Introduction to Coastal Engineering
- o CWR 6150 Engineering Hydrology
- o CWR 6236 River Engineering/Sediment Transport
- o ENV 5640 Design of Water Quality Mgmt Facilities
- o ENV 6510 Aquatic Chemical Processes
- o ENV 6511 Biological Treatment Systems
- o ENV 6519 Physical/Chemical Treatment Systems
- o TTE 5805 Advanced Highway Geometric Design
- o TTE 5255 Traffic Signal Systems
- o TTE 5205 Operational Analysis of Trans Facilities
- o TTE 6272 Intelligent Transportation Systems
- o TTE 6315 Highway Safety Analysis
- o CGN 5932 Special Topics in Civil Engineering (v1-3)
- o CGN 6933 Special Topics in Civil Engineering (v1-3)
- o CGN 6900 Supervised Graduate Research (v1-3) can be repeated up to 6 credits.

2. Other Electives: Select sufficient hours of non-civil engineering electives at the graduate level to earn a total of 30 credits in the program. CE electives may be used to satisfy this requirement.
- o Thesis option: Select up to 6 credits of non-civil engineering electives. Electives must be approved by the Graduate Advisor.
  - o 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.

Note: Civil engineering elective courses may also be selected from on-line courses from Florida State University System within the limitations discussed above, and must be approved by the Graduate Advisor for thesis students and by the Graduate Program Director or Graduate Advisor for non-thesis students.

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### Major: Electrical Engineering Degree: MS in Electrical Engineering

#### Major Requirements

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MS Electrical Engineering Requirements: (30 credit hours)

The Electrical 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.

\*\*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:

For more details on the below and additional conditions, 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. 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 12.0 hours from the Florida Engineering Education Delivery System (FEEDS) provided the total of FEEDS courses and other transfer courses does not exceed 12.0 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.

EGN6456 Advanced Engineering Analysis (3 Credits)

or approved substitute graduate mathematics course. See list of approved electives in the School of Engineering office.

EGN6457 Adv. Res. Methods for Engineer (3 Credits)

RESEARCH for Thesis option --

Thesis option: Select 6.0 hrs of EEL 6972 EE Thesis.

(Non-thesis option will select 6.0 hrs of additional electives, as indicated below.)

SELECT Required Electives --

1. Electrical Engineering Electives: select a minimum of 12.0 hrs from the list below or other EE approved electives. For thesis students, electives must be approved by the Graduate Advisor. At least 6 hours of EE electives must be selected at the 6000-level.
  - EEE 5316L Advanced Electronics (3)
  - EEL 5060 High Tech Entrepreneurship (3)
  - EEL 5500 Digital Communications (3)
  - EEL 5500L Digital Communications Lab (1)
  - EEL 5511 Communications Systems (3)
  - EEL 5513 Introduction to Digital Signal Processing (3)
  - EEL 5563 Fiber Optics (3)
  - EEL 5613 State-Space Control Systems (3)

- o EEL 5722C Digital Design (4)
- o EEL 5764C Digital Computer Architecture (3)
- o EEL 5820 Digital Image Processing (3)
- o EEL 5934 Special Topics in Elect Engineering (v. 1-3)
- o EEL 6935 Special Topics in Elect Engineering (v. 1-3)
- o CDA5106 Intro to Computer Architecture (3)
- o CDA5106L Intro to Computer Architecture Lab (1)
- o COP6616 Parallel Computing (3)
- o EEL 6521 Advanced Digital Communications (3)
- o EEL 6521L Adv Digital Communications Lab (1)
- o EEL 6558 Advanced Topics in Signal Processing (3)
- o EEL 6568 Optical Systems & Networks (3)
- o EEL 6591 Wireless/Mobile Communications (3)
- o EEL 6684 Embedded Control Applications (3)
- o EEL 6735 Computer System Design (3)
- o EEL 6749 Embedded Systems Design (3)
- o EEL 6825 Pattern Recognition (3)
- o EEL 6900 Supervised Graduate Research (v. 1-3) can be repeated up to 6 hours.

2. Other Electives: Select sufficient hours of non-electrical engineering electives. EE electives may be used to satisfy this requirement. Select sufficient credits at the graduate level to earn a total of 30.0 hours.
- o Thesis option: Select up to 6.0 hours of non-electrical engineering electives. Electives must be approved by the Graduate Advisor.
  - o Non-thesis option: Select up to 12.0 hours of non-electrical engineering electives. A list of approved electives is available in the School of Engineering.

Note: Electrical engineering elective courses may also be selected from on-line courses from Florida State University System within the limitations discussed above, and must be approved by the Graduate Advisor for thesis students and by the Graduate Program Director or Graduate Advisor for non-thesis students.

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### Major: Mechanical Engineering Degree: MS in Mechanical Engineering

#### Major Requirements

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MS Mechanical Engineering Requirements: (30 credit hours)

The Mechanical 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.

**\*\*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:

For more details on the below and additional conditions, 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. 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 12.0 hours from the Florida Engineering Education Delivery System (FEEDS) provided the total of FEEDS courses and other transfer courses does not exceed 12.0 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.

EGN6456 Advanced Engineering Analysis (3 Credits)

or approved substitute graduate mathematics course. See list of approved electives in the School of Engineering office.

EGN6457 Adv. Res. Methods for Engineer (3 Credits)

RESEARCH for Thesis option --

Thesis option: Select 6.0 hrs of EML 6972 ME Thesis.

(Non-thesis option will select 6.0 hrs of additional electives, as indicated below.)

SELECT Required Electives --

1. Mechanical Engineering Electives: select a minimum of 12.0 hrs from the list below or other ME approved electives. For thesis students, electives must be approved by the Graduate Advisor.
  - EML 5808 Robotics Engineering II
  - EML 6809 Intelligent Planning for Robotic Systems
  - EML 5315 Advanced Control System Theory
  - EML 6311 Modern Control Engineering
  - EML 5508 Finite Element Modeling and Analysis
  - EML 5211 Introduction to Continuum Mechanics
  - EGN 6333 Advanced Mechanics of Materials
  - EML 5105 Classical and Statistical Thermodynamics
  - EML 5131 Combustion Phenomena

- EML 6451 Energy Conversion
- EML 5403 Fuel Cells
- EML 6417 Solar Energy Devices
- EML 5606 Air Conditioning and Refrigeration
- EML 5932 Special Topics in Mech Engineering (v. 1-3)
- EML 6933 Special Topics in Mech Engineering (v. 1-3)
- EML 6900 Supervised Graduate Research (v. 1-3) can be repeated up to 6 hours.

2. Other Electives: Select sufficient hours of non-mechanical engineering electives. ME electives may be used to satisfy this requirement. Select sufficient credits at the graduate level to earn a total of 30.0 hours.

- Thesis option: Select up to 6.0 hours of non-mechanical engineering electives. Electives must be approved by the Graduate Advisor.
- Non-thesis option: Select up to 12.0 hours of non-mechanical engineering electives. A list of approved electives is available in the School of Engineering.

Note: Mechanical engineering elective courses may also be selected from on-line courses from Florida State University System within the limitations discussed above, and must be approved by the Graduate Advisor for thesis students and by the Graduate Program Director or Graduate Advisor for non-thesis students.



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# College of Education and Human Services Overview

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## Vision

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The vision of the College of Education and Human Services is to be active leaders and responsive partners in the study and enhancement of teaching and learning within diverse learning communities. Within our learning community, we engage with each other and our students as professional partners.

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## Mission

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Since its founding, the College of Education and Human Services has defined its mission as the preparation and support of educators who are competent and contributing professionals for diverse learning communities in northeast Florida. The faculty are engaged as active leaders and responsive partners in the study and improvement of teaching and learning within a pluralistic society. We are committed to developing life-long learners who contribute to their communities and succeed in a changing world. Our mission is to engage with our students and professional partners in experiences that promote the following.

- Candidate dispositions for the development and demonstration of ethical and professional attitudes and beliefs;
- Ongoing, active reflection on professional practice;
- Multiculturalism through educators who value diversity and advocate for the success of all P-20 students within diverse learning communities;
- Professional growth of pre-service and experienced educators and other helping professionals;
- Academic programs that are rigorous, standards-based, and apply innovative and enduring ideas about teaching and learning;
- Scholarship for advancement of the professional knowledge base; and
- Service to the University, P-12 schools, the profession, and the community. Each of these elements of the mission will be described more fully.

Ethical and professional dispositions include honoring and embracing diversity, equity, and equality of opportunity. Ethical educators view themselves and others as valued members of a learning community. They model professional integrity.

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Active reflection on professional practice means that educators and other helping professionals are committed to professional renewal, self-assessment, and life-long learning. Programs and experiences encourage professionals to engage in reflective practice and self-assessment, take informed risks, and participate in the change process.

Educators who value diversity are prepared to acquire and apply the tools, content, technology, and strategies needed to assure that all students realize their full potential. They work in partnerships among post-secondary institutions, community agencies, and P-12 schools with the goal of improving learning.

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## Accreditation

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**The Teacher Education Unit at the University of North Florida is accredited by:**

- National Council for Accreditation of Teacher Education (NCATE)  
2010 Massachusetts Avenue NW, Suite 500  
Washington, DC 22036  
Telephone Number (202) 466-7496

**Programs in Education are accredited and approved by the following:**

- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Council on Education of the Deaf (CED)
- Florida Department of Education (FDOE)

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**Location:** Building 57

**Phone:** (904) 620-2520

**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

**Marsha Lupi**, Interim Dean

[mlupi@unf.edu](mailto:mlupi@unf.edu)

**Jennifer Kane**, Interim Associate Dean

[jkane@unf.edu](mailto:jkane@unf.edu)

**Pat Hanford**, Director of Development

[p.hanford@unf.edu](mailto:p.hanford@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 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 or English/American sign language interpreting. The college's theme, "**Educating Professionals Who Impact the Lives of Adults and Children**," 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.

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**Web Address:** <http://www.unf.edu/coehs/advising/>

**John Kempainen, Ph.D.**, Director  
**Sandie Loach Miller**, Senior Academic Advisor  
**Todd Parrish, Ed.D.** Academic Advisor  
**Kenneth Hill**, Academic Advisor

## Undergraduate

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The Office of Academic Advising 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 written copy of this tentative program. The tentative program will be finalized when the student is fully admitted to the college.

Students are encouraged to visit the Office of Academic Advising 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 Advising is located in Bldg. 57/Room 1070, (904) 620-2530.

*\*\*Academic advisement 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 cannot be responsible for problems due to students' failure to consult with advisors.*

## Graduate

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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 written 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

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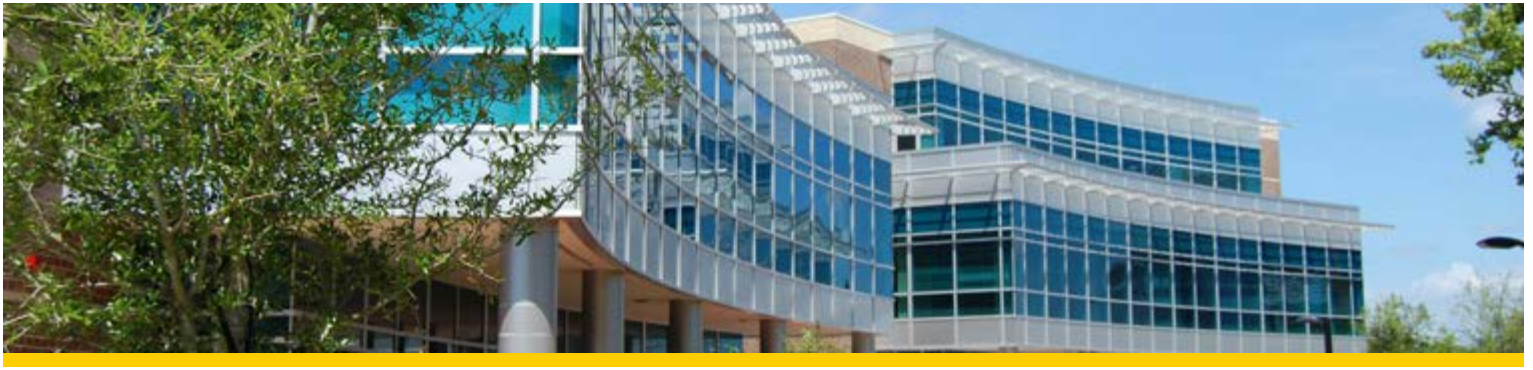
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in their acceptance letter. Students with specific questions or concerns about university policies or regulations may visit the Office of Academic Advising located in Room 1070 of Bldg. # 57, (904) 620-2530.

*\*\*Academic advisement 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 cannot be responsible for problems due to students' failure to consult with advisors.*



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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 demonstrate satisfactory completion of all lower level education prerequisites including EDF 1005 Introduction to Teaching Profession; EDF 2085 Introduction to Diversity Educators; and EME 2040 Introduction to Technology for Educators. Students must present passing scores on all four parts of the General Knowledge Test (GKT) in order to be considered for admission into the College of Education and Human Services Teacher Education programs. Please note that passing scores on the CLAST exam previously accepted, is no longer acceptable. GKT scores must be submitted.

### [Probation/Suspension](#)

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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 he/she is currently registered and denied the opportunity to re-enroll. The student should contact the Office of Academic Advising located in Bldg. 57/Room 1070, (904) 620-2530.

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## Admission Requirements

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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

The Florida Board of Education requires that applicants for undergraduate teacher education programs meet the admissions 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.
3. In addition, all students must have satisfactorily completed the three lower level education core pre-requisite classes (EDF 1005 Introduction to Teaching Profession; EDF 2085

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Introduction to Diversity Educators; EME 2040 Introduction to Technology for Educators) with grades of C or better.

4. Transferring students, students changing majors, or students 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 Advising in the College of Education and Human Services, Building 57/ Room 1070.

Additional information regarding admission and admission by exception is available from the Office of Academic Advising, (904) 620-2530.

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## Graduation Requirements

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Requirements for the Bachelor of Arts in Education degree are as follows:

1. Satisfactory completion of the minimum number of credits required by the particular program of study, of which at least 48 credits must be earned at the upper-level.
2. Satisfactory completion of the last 45 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 (PED) and (c) Subject Area (SAE)\* components of the Florida Teacher Certification Exam (FTCE).\*\* It is strongly recommended 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

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Students 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

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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 of elementary education.

## Field/Clinical Experiences

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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 Educational Field Experiences at (904) 620-3934 for information regarding fingerprinting procedures.**

## Pre-Internship

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Pre-internship field experiences are required as part of the College's core for all undergraduate teacher education students, or certification students, seeking to complete an internship experience. These pre-internship field experiences are organized into two two-semester-hour courses, Field Lab I and Field Lab II. Prerequisite and/or corequisite courses must be completed prior to or along with Field Lab I and Field Lab II in all programs of study. Students should consult with an academic advisor to assure that prerequisites are satisfied when enrolling in Field Lab I or Field Lab II. Field Lab I must precede Field Lab II, and the two field courses may not be taken in the same semester. Both 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 problems 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 50-hour field component. Students should meet with their advisor to plan the semester in which to enroll in each pre-internship field course.

**It is the responsibility of students enrolling in these courses to apply for field experience placement during the first week of classes, in addition to the completion of formal course enrollment. Students will be assigned to a school site by the Director of Educational Field Experiences. Placement assignments are final and may not be changed. All students must meet the fingerprinting and background check requirements.**

## Internship

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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, and critical tasks, is 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 Director of Educational Field Experiences 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**

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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**

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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 two-credit, 50-hour field experience 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**

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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 College’s Office of Academic Advising.

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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 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 and sign language 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. In the same vein, the College's mission is to prepare and renew professionals who are equipped to live in pluralistic societies, capable of creating learning communities that 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.

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Consistent with its commitment to the accountability of program graduates, the College requires all students pursuing degrees leading to teacher certification to complete a series of “critical performance tasks.” These tasks, which are embedded within the coursework in each academic program, assure that program graduates possess the knowledge, skills and dispositions needed to be competent as an educator in the state of Florida. Records of student performance on critical tasks are maintained by the College and reviewed regularly by faculty, advisors and administrators when making important decisions about students’ progression through their programs of study.

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 year 2012 reporting period, 100 percent of UNF students who completed the teacher education program obtained passing scores on the general knowledge portion of the FTCE. Pass rates on the professional knowledge and subject area portions of the FTCE were 100 percent and 100 percent, respectively.

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## Majors

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The College of Education and Human Services offers majors in elementary education (K-6); pre-kindergarten through primary grades (age 3 through grade 3); K-12 physical education; middle school (grades 5-9) mathematics/science education; sport management; K-12 programs in art; secondary specializations in selected majors in collaboration with the College of Arts and Sciences; and exceptional student education, (K-12) including Deaf education and American sign language English interpreting.

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## Bachelor of Science in Sport Management

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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. The Community Sport Concentration is an appropriate concentration for candidates who seek leadership and/or instructional careers in settings offering sport, fitness, and recreation programming. Students interested in this degree program should contact Program Coordinator, Dr. Jason Lee, or an academic advisor in the College of Education and Human Services.

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## Undergraduate Core

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Students enrolled in the College of Education and Human Services education degree programs must complete an undergraduate core curriculum, including two semester-long field laboratory courses. The undergraduate core for teacher preparation programs is designed to provide students with knowledge and skills and professional practices essential for all educational personnel and fulfill Florida Department of Education certification requirements. The undergraduate core builds teacher knowledge and skills in the following areas: learning theories, curriculum, methods, classroom management, communication, and assessment.

Core courses for teacher preparation programs:\*

EDF 3151	Educational Psychology	3 credits
EDG 3323	The Learning Process	3 credits
EDF 4444	Assessment of Learning & Behavior	3 credits
EDG 4410	Classroom Management & Communication	3 credits
EDF 3945	Field Laboratory Experience I**	2 credits
EDF 3946	Field Laboratory Experience II**	2 credits

*\*Note: Not all teacher preparation programs require all courses in this list; however, all core course objectives are addressed in all programs either via core course work or other components of the program of study.*

*\*\* Field Laboratory Experience I must be successfully completed prior to enrolling in Field Laboratory Experience II. Field Laboratory Experience II is taken concurrently with specified methods courses. Field Laboratory Experience I and II have a 50-hour clinical component. Fingerprinting and background checks are required prior to placement.*

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### 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 0-8). Currently, those interested in this field have available to them a teacher preparataion program (B.A.E. in Pre-Kendergarten/Primary 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.

### Community Leadership

The community 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

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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 two-credit, 50 hour field experience 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 was determined to be a \$422 billion dollar business in 2012, making it one of the ten 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.



# College of Education and Human Services Graduate Academic Policies

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## Academic Integrity

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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.

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## Course Validation

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Course work completed at UNF more than five years prior to the completion of a master's degree program may not be applied toward that program unless validated. Course work completed at other institutions more than five years prior to the completion of a graduate degree may not be applied toward any program. UNF course work which has exceeded the five-year time limit may be considered for validation by the following procedures:

1. Permission of the appropriate department chair must be requested in writing by the student.
2. The department chair will review the request and either permit or deny the validation request. If permission is granted, the chair will assign the appropriate person(s) within the program for the student to contact to initiate the validation process.
3. The program faculty member responsible for the validation process may choose to:
  - a.) have the student attend the class and take the exams; or
  - b.) assign selected readings and/or a text, then interview the student informally to determine if the student's knowledge is current and/or give the student a written assignment or exam to assess the student's competence in the area; or
  - c.) a combination of a and b above.
4. If a student successfully completes the validation process, the faculty member will write a memorandum for the student's file that indicates that the course has been validated and that it is acceptable for inclusion in the program of study.

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## Credit Transfers

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Acceptance of transferred credit for the master's degree is at the discretion of the faculty advisor and the department chairperson, with the approval of the dean of the College of Education and Human Services. The grade for each course must be at least a "B." Such work must have been completed within the previous five years at an institution which offers a master's degree and is accredited by a regional accrediting association and/or approved by the Florida Department of Education for graduate-level teacher preparation or preparation as a human services provider. Generally speaking, only 6 graduate credits may be transferred into a student's program of study. Under special circumstances, a student may petition to have more credits accepted. The Graduate School limits the number of credits that may be transferred to no more than 40% percent of the total degree requirements. However, students should check with their faculty advisor and the department

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chair about the appropriateness of courses to be transferred. Graduate students admitted into the College of Education and Human Services must take their required course work at UNF and are not authorized to take classes at another college or university unless the course needed is not being offered at UNF for the semester needed and it is necessary in order to graduate or, the course is part of a cognate developed in consultation with the program sponsor and is not offered at UNF. In this instance approval of the faculty advisor, the chair and the Dean of the College of Education are required. Students are limited to 6 total graduate transfer credits, or 20% of the total degree requirements which ever is greater. Students may not take classes at another institution during their final semester at UNF.

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## **Directed Independent Study**

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The purpose of an independent study is to allow a student to pursue an indepth 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 the individual professor.

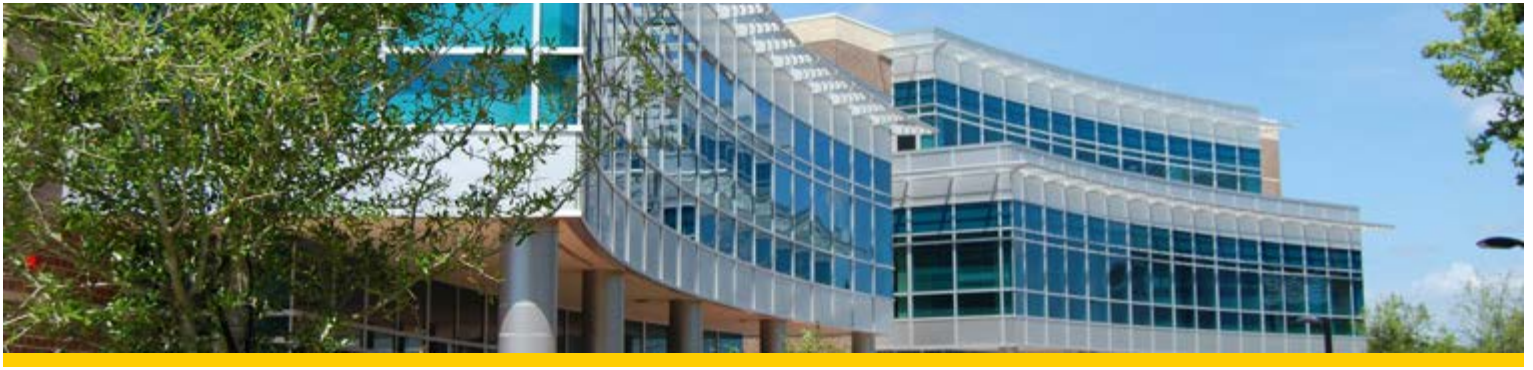
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## **Satsifactory Academic Progress**

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Graduate students in the College of Education and Human Services at the University of North Florida must maintain a 3.0 grade point average or higher to remain in good academic standing. Any student whose grade point average falls (GPA) below the 3.0 will be placed on probationary status and may be subject to appropriate remediation or, failing to raise said grade point average within one semester, dismissed from their respective program. COEHS graduate students may not count any course grade below a B- toward their degree plan. Students seeking an exception to this rule must petition the appropriate Department or Program Chair in writing for acceptance of the course grade toward graduation credit.

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## Graduate Transfer

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The residency requirement at UNF is 30 semester credit hours; 18 of which must be taken at the 6000 level. No student may earn a UNF graduate degree without 30 hours of UNF graduate course credit. It is also required that students earn a majority of credits toward their degrees at UNF.

Individual programs have particular requirements concerning transferring in credits; most graduate programs at UNF allow a student to transfer in approximately 20 percent of the overall graduate credits required for a degree (rounded up to the nearest number divisible by 3) from another regionally accredited institution, as allowable under the residency requirement and as approved on a course by course basis at the discretion of the appropriate graduate program director. Additional credits may be transferred in via special petition, subject to the approval of the appropriate graduate program director and the Graduate Dean. No student may transfer in more than 40 percent of the overall credits required for a degree.

A student who transfers in more than 20 percent of the credits required for a degree may not apply

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any credits earned as a transient student (hours taken at another institution while the student is matriculating at UNF) toward fulfillment of that degree's requirements without prior approval of the appropriate graduate program director and the Graduate Dean. Students wishing to enroll in courses at another institution for the purpose of transferring credits into their graduate program of study must complete a "Concurrent Enrollment" form and have prior approval from the appropriate graduate program director.

Additional credit transfer conditions:

1. The student must have completed the course work subject to the time limits applicable to his or her current graduate program.
2. The student must have earned grades of 3.0 or higher in the courses.
3. The student is not entitled to apply transfer credits toward the 18 hour minimum of 6000-level courses required for all master's degrees.
4. The student is not entitled to transfer credit for correspondence courses, courses included in a completed degree program, or portfolio-based experiential learning that has taken place prior to admission to the current graduate program.

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## Transient Student Admission

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### 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.

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## Readmission of Inactive Students

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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 update their admissions applications with the Graduate School. They must do so at least six weeks before the beginning of the term in which they wish to enroll. They will be responsible for meeting any new general admissions requirements or program specific requirements.

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## Graduate Program Course Level

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Eighteen (18) 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, or (4) field-based coursework connected to teacher certification programs.

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## **Degree Completion within Six Years**

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 coursework for a doctoral degree must be completed within eight years. All exceptions must be approved by the student's Graduate Program Director and the Dean of the Graduate School.

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## **Second Masters Residency**

For a second master's degree, at least 30 hours of UNF graduate coursework in residency is required. Coursework counted in the fulfillment of any other UNF degree requirements cannot be counted toward this second master's residency requirement.

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## **Graduate Program Independent Learning**

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.

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## **Credit Earned as Post-Baccalaureate**

A student may apply up to 10 hours of graduate course work taken at UNF as a post-baccalaureate. (Such credits will be included in the student's UNF graduate GPA.) The student must receive the approval of the Program Director, who will then inform The Graduate School.

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## **Graduate GPA Policy**

The Graduate GPA includes all graduate credits taken 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 taken as a post-baccalaureate student, when those hours are not counted toward fulfillment of degree requirements, are not counted in the construction of the Graduate GPA.

Undergraduate credits, no matter when they are taken, are not counted. Transfer credits are not counted, with the exception of joint international degree programs. All graduate credits from these programs are used to calculate the graduate GPA.

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## **Satisfactory Academic Progress**

### **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 award of a graduate degree.

Graduate students who hold assistanships 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 will be considered 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, he or she earns a D or F in a graduate course in his or her 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.

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## **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.

## Graduate Dual International Degrees

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Effective fall 2010, 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.

## Graduate Admissions

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(1) The following are the minimum requirements for admission to graduate programs at the University of North Florida.

- a. 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
- b. An earned graduate degree from a regionally accredited U.S. institution or its equivalent from a foreign institution.

(2) Applicants who hold baccalaureate degrees from an international institution must submit a course-by-course degree evaluation from a UNF and NACES approved evaluation service or, on exception, a course-by-course evaluation performed by the University's International Center.

(3) Additionally, all applicants to master's programs must meet the following specific requirements:

- a. Each master's program may determine other requirements for admission (e.g., standardized test scores, written essays, an interview), consistent with their mission and purpose. Any additional admissions requirements so imposed by masters programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the program website area of the Graduate School for the masters program; further, such requirements shall be reviewed and updated annually.
- b. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.
- c. The submitted materials must be used in the context of a holistic credential review process.

(4) Additionally, all applicants to doctoral programs must meet the following specific requirements:

- a. Each applicant to a doctoral degree program shall present standardized test scores that are acceptable for the program to which the student is applying. Acceptable tests include the Graduate Record Examination (verbal, quantitative, and writing), the Miller's Analogies Test, or the GMAT, whichever is deemed most appropriate by the program. Students, including international students, who already have a graduate degree obtained from a regionally accredited institution in the same

or in a related area are not required to take the standardized test unless it is required by the program.

b. Each doctoral program may determine other requirements for admission (e.g., letters of recommendation, a resume or a curriculum vita, a written essay, an interview) consistent with their mission and purpose. Any additional admissions requirements so imposed by doctoral programs must be approved by the Dean of the Graduate School and published annually in the Graduate Catalog and on the website area of the Graduate School for the program; further, such requirements shall be reviewed and updated annually.

c. The submitted materials must be used in the context of a holistic credential review process annually.

d. These requirements shall not include preferences in the admissions process for applicants on the basis of any category protected by law.

(5) The University may grant a limited number of exceptions to those applicants who do not meet the basic admission requirements. All applicants requesting an exception must submit GRE, GMAT, or MAT scores, as appropriate, prior to making the request. Students granted an exception will be placed in a provisional admission status for the graduate degree program that they wish to enter. Continuation as a graduate student will depend upon successful completion of provisional admission requirements and any subsequent work.

(6) Applicants from countries where the official language is other than English must achieve the minimum required test scores on the TOEFL or University of Cambridge IELTS as set by the University of North Florida.

(7) The following are required of all applicants:

- a. Application for admission;
- b. Non-refundable application fee in the amount set forth by the university;
- c. Transcripts from each college attended, whether or not credits were earned;
- d. Standardized Test Scores - only if required by the individual graduate program.

(8) Admission to graduate study is granted on an individual basis with a review of the entire academic record of the applicant, including quality of past performance, standardized test scores (if required), appropriateness of work taken, and suitable professional experience. To ensure that all pertinent application materials are received in time, applications for admission must be received by the published deadlines of the university and of the program to which the application is being made.

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## Graduate Certificate Programs

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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. This is done 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 one-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.

Student pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing."



All 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, 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 apply to the Graduate School, and the specific certificate program, and pay a new application fee.

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 fifty 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 his or her degree program.

The graduate certificate is not viewed as a guaranteed means of entry 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.**

1. All students applying for graduate level certificate programs will submit an application to The Graduate School.
2. The Graduate School will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the graduate certificate program is dependent on student eligibility and, if required, departmental approval.

### **Certificate and Transcripts**

Once the 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 Registrar and the Office of Enrollment Services Processing. All materials required to print and package the completion documents will also be housed within the Enrollment Services Processing Office.

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## [Admissions](#)

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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 Advising at (904) 620-2530 for additional information.

## [Component Cores](#)

Master's programs range from a minimum of 36 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 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](#)

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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

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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 Secondary 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, Autism, and ASL/English Interpreting in Special Education; or Advanced Teaching and Learning, Higher Education Administration, Educational Leadership Technology in Educational Leadership and Athletic Administration.
3. Acceptable scores on either the Graduate Record Exam (GRE) in all Special Education programs are required. The minimum scores may vary with each department. The Department requires scores of 153 on the verbal and 144 on the quantitative portions of the GRE.. Students must present passing scores on all four parts of the General Knowledge (GK) test for initial teacher certification programs.
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 Advising, (904) 620-2530, 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.

## K-12 and Secondary 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  
Valid Florida Teaching Certificate in an appropriate content field or its equivalent .
- All content requirements for certification
- Indication of content area in professional education.
- Teaching experience preferred

## 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.
- GRE scores of 153 on the verbal portion and 144 on the quantitative portion of the test.
- Eligibility for a Florida Teaching Certificate or appropriate experience as determined by the program faculty.
- Appropriate ASL/Sign Language 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 or 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) or the Educatoar Preparation Institute (EPI). 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 and EPI completion does not lead to the awarding of a degree. Students interested in TCO or the EPI program should contact the College's Office of Academic Advising at (904) 620-2530 for more information.

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## Course Work Requirement

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A minimum of 36 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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## Residence Requirement

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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

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Fingerprinting is required for students enrolled in the School Counseling master's degree and the initial certification ESE K-12 programs. 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 Educational Field Experiences (904/620-3934) for information regarding fingerprinting procedures.

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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 specialization concentrations in educational leadership, counselor education, elementary education and special education, or seek certification for teaching options in school settings from pre-kindergarten to secondary levels. Many of our field placements are in challenged urban schools. The College also has degree options for individuals interested in athletic administration and American sign language English interpreting.

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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. In the same vein, the College's mission is to prepare and renew professionals who are equipped to live in pluralistic societies, capable of creating learning communities which impact 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.

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 any particular program of study may be obtained by contacting the department office in which the program is offered.

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 year 2010 reporting period, 100 percent of students who completed UNF's teacher education programs obtained acceptable scores on all portions of the FTCE.

Within each major, one or more concentrations exist that enable students to design a strong professional program of study tailored to the candidate's specific goals.

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## **Master's Degree Program**

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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 Degree Program**

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For a major in the Department of Childhood Education and the Department of Curriculum and Instruction, graduate students are required to complete a minimum of 36 credit hours. Master of Education programs are available in elementary, secondary, middle school, and P-12 certification areas.

Advanced study options are available for students who wish to pursue indepth study in a particular interest area. Advanced study options do not lead to initial teacher certification. The number of credit hours needed for advanced study options depends on the certification requirements of a given area and the student's prior degrees and certifications. Some advanced study programs may exceed 36 credit hours.

Except where noted, all credit hours are to be earned at the graduate level. Students are reminded that course validation requires a demonstration of current knowledge of the course's goals and objectives. Initial certification is limited to specific approved programs and may require significantly more credit hours in order to fulfill accreditation requirements.

## **Master of Education in Elementary Education**

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The mission of the Department of Childhood Education Literacy and TESOL is to assist learners in developing personal and professional competencies needed for successful instruction in today's public schools and community settings.. This goal is achieved through programs emphasizing individually meaningful instruction, the use of innovative materials, and the application of theoretical concepts in 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 TESOL and Literacy.

**Category II - Master's Degree Programs for Uncertified Post-baccalaureate Students** These programs are for graduate students who either do or do not hold professional teaching certificates but who wish to obtain a master of education degree. The areas of the M.Ed. in Elementary Education include the concentration of TESOL and Professional Education with various options of cognates including: prekindergarten/primary, Elementary, and Literacy.

### **Category III - Non-degree Studies that Lead to 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 certificate. Current certificate programs are available in TESOL and Early Childhood Education. It should be noted that certificate programs are considered post-baccalaureate programs and therefore are not eligible for traditional financial aid programs.

## **Master of Education in Secondary Education**

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The mission of the department is to assist learners in developing personal and professional competencies needed for successful instruction in middle, secondary, and postsecondary educational settings. 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 division offers four categories of studies at the graduate level.

### **Category I - Master's Degree Programs for Teachers with Professional Certificates**

Programs for certificated teachers that extend professional skills and knowledge and lead 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 licensed areas of instruction. It should be noted that admission into this degree program is currently on hold.

### **Category II - Non-degree Studies that Lead to State Teacher**

**Education Certification** These studies are highly individualized course-by-course sequences that approximate the minimal standards required for certification through the Florida Department of Education. A baccalaureate degree is required to pursue course-by-course certification. All undergraduate requirements for admission apply for an individual to qualify as an active “teacher certification only” (TCO) candidate. Course-by-course certification can be achieved for both initial certification and add-on endorsements to a current valid teaching certificate. Because course-by-course certification is determined by current state requirements and not as a result of successful completion of the Department of Curriculum and Instruction's state approved teacher preparation program, actual requirements can and do change frequently. The COEHS Office of Academic Advising, (904) 620-2530, has current information regarding certification requirements. It is important for the student to understand that teacher certification is granted by the Florida Department of Education and not from the University of North Florida.

#### **Category IV - Non-Degree Studies for Professional Development and Enrichment**

The college recognizes the on-going need for educational advancement of teachers. The department provides opportunities for non-degree avenues of study for experienced teachers for professional certificate renewal as well as post-master's-degree course of study. These opportunities are highly variable and can be customized in a variety of ways. Individuals may enroll in courses of interest or an entire school staff may request a specific course by an instructor who is sent to the school site for weekly instruction. Inquire for current possibilities by contacting the Office of Academic Advising in the College of Education and Human Services, (904) 620-2530.

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## **Master of Education in Special Education**

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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 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 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 36 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 special education graduate program requires a minimum undergraduate grade point average (GPA) of a 3.0. In addition, scores on the Graduate Record Exam (GRE) are 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 Educational Field Experiences, (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.

**\*Autism Concentration** The Autism Concentration is deigned to prepare individuals to work with individuals to provide educational services to children with the Autism spectrum disorder. This particular concentration is included as part of the colleges online program through academic partnerships.

**ASL/English Interpreting Concentration**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 new 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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## Doctoral Program

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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. Applicants seeking admission to the doctoral program should contact the Department of Leadership, Counseling and Instructional Technology at (904) 620-2990.

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## Doctor of Education in Educational Leadership

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Special provisions regarding admissions, programs of study, and graduation related to the Ed.D. in Educational Leadership are described later in this section. For more information about the Ed.D. in Educational Leadership, please contact the Doctoral Program in the Department of Leadership, Counseling, and Instructional Technology at (904) 620-2990.

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 a number of departments and other instructional resources of the University.

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- [Transformation of Conflict](#)
- [Early Childhood Education](#)
- [Teachers of English to Speakers of Other Languages](#)
- [Sport Management](#)

## [Additional Information on Graduate Certificate Programs in the College of Education and Human Services](#)

### [Graduate Certificate in Early Childhood Education](#)

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**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. 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](#)

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**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](#)

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**The Graduate Certificate in Educational Leadership** is open to certified teachers already holding a master's degree in another area but with to pursue a principal's certificate via a modified school leadership program. Applicants must hold a master's degree from a regional accredited institution, hold a valid teaching certificate issued by the state of Florida and must demonstrate

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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. Interested applicants should contact the Program Leader for Educational Leadership (Dr. Jerry Johnson) for more information.

## Graduate Certificate in Sport Management

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**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 Transformation of Conflict

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**The Graduate Certificate in Transformation of Conflict** seeks to establish a supportive learning community that emphasizes reflection, self knowledge, cross-cultural understanding, nonviolent communication and proactive conflict transformation. Students develop knowledge and skills for understanding and addressing conflict within academic institutions, governments, nongovernmental organizations, the private sector, the media, and other professional venues. The Conflict of Transformation graduate program is interdisciplinary and open to all majors at UNF.

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## Educator Preparation Institute

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The Educator Preparation Institute (EPI) is a ten month, teacher certification program that prepares individuals with non-education degrees to teach in P-12 classrooms. EPI completers are eligible to apply for a Florida Professional Teaching Certificate. The EPI curriculum addresses competencies on higher levels of complexity as the program proceeds. Six integrated courses, plus the Florida Reading Competency 2 course, address the statewide EPI curriculum and the Florida Educator Accomplished Practices (FEAPS), and provide instruction in professional knowledge, reading strategies, and exceptional student education (ESE).

The EPI is delivered using a blend of classroom instruction and practical field experience. A central element of the competency-based curriculum provides you with practical information, blended with essential theory and real-life practice, to provide the knowledge and skills that you will need to be a successful classroom teacher.

### Required EPI Modules

EPI 001	The Instructional Process: Classroom Management & Assessment	3 credit hours
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EPI 002	The Instructional Process: Instructional Strategies	3 credit hours
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EPI 003	The Instructional Process: The Teaching and Learning Process	3 credit hours
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EPI 004	The Teaching Profession: Professional Education	3 credit hours
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EPI 005	The Instructional Process: Diversity in the Classroom	3 credit hours
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EPI 006	The Instructional Process: Technology	3 credit hours
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EPI 007 Florida Reading Competency 2 course

2 credit hours

**Total**

**20 credit hours**

(Total Clock hours = 280. 3 credit hour course = 42 clock hours. 1 credit hour = 14 hours.)

**Please note that no courses with the EPI prefix may be taken for credit in a degree program and course information is not included in this catalog. For more information regarding EPI modular descriptions, please contact the Educator Preparation Institute Office.**

### Field Experience

EPI participants who are employed as teachers fulfill field experience requirements within the context of their classrooms. School-based support teams mentor them and principals confirm mastery of field based competencies in seamless collaboration with the EPI. This design feature provides efficient and effective linkages between EPI instructional modules and classroom experience.

Participants who are NOT employed as teachers are referred to as Resident Teacher Candidates (RTCs). RTCs are required to complete 60 classroom-based hours and 20 community-based hours to satisfy their field component. The EPI Director arranges placement for each RTC in an EPI Alliance School.

- The field experience serves as the practical support curriculum for the EPI courses.
- Community service is an outreach to the community and an opportunity for participants to be involved with a variety of cultures. Their work helps to prepare them to work with the diverse population in their classrooms. The Community Service component is part of the Diversity Module.

### Admission to the Program

The EPI is organized as a cohort model, with a new cohort of participants beginning each fall semester. Individuals may begin applying in March for the next available cohort. Applicants must either be P-12 teachers with temporary teaching certificates or hold at least a bachelor's degree in a field other than education.

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**Cathy O'Farrell**, Director  
**Linda Dacks**, Resident Clinical Faculty  
**Christie Stevenson**, Resident Clinical Faculty  
**Kathleen Witsell**, Resident Clinical Faculty  
**Vuokko Cornett**, Clinical Faculty  
**Laura Langton**, Clinical Faculty  
**Melissa Omechevarria**, Clinical Faculty  
**Diane Poidevant**, Clinical Faculty  
**Maria Ramdas**, Clinical Faculty

All undergraduate programs and initial certification graduate teacher education programs in the College of Education and Human Services involve a field-based learning experience. The Office of Educational Field Experiences coordinates and administers the continuum of clinical experiences for undergraduate and graduate teacher education students in the College of Education and Human Services. The Office of Educational Field Experiences is housed in Bldg. 57/Room 1300, (904) 620-3934.

**All students enrolled in College of Education and Human Services courses that require field or clinical contact credits or courses that are taught at a school site or require the student to complete work at a school 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 for information regarding fingerprinting procedures.**

**Students participating in teaching 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 interning, including:

1. Current status as a student in good academic standing;
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. Successful completion of all specified critical tasks for the given major.
5. Completion of mandatory criminal background checks and official fingerprinting in consonance with the policies of local school districts and state mandates.

All student-teaching internships are considered **full-time experiences**. Students must adhere to the

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professional work responsibilities expected of all teachers in the schools in which internship experiences are held.

Applications for pre-internship field classes, namely, Field Laboratory I (EDF 3945) and Field Laboratory II (EDF 3946) are completed under the supervision of UNF faculty during the first day of those classes. Pre-interns must complete a mandatory criminal background check and official fingerprinting as required by the policies of local school districts and state mandates.



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## Student Clubs and Organizations

### **SCEC - Council for Exceptional Children, Student Chapter #277**

Karen Patterson and Susan Syverud, Faculty Advisors

### **ASL - American Sign Language**

### **SNEA - Student National Education Association**

Maria Castro, Advisor

### **SMA - Sports Management Alliance**

Jennifer Kane, Faculty Advisor

### **FRA - Florida Reading Association, Student Chapter**

Nile Stanley, Faculty Advisor

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### Major: PreKdg/Primary Education Degree: Bachelor of Arts in Education

#### Prerequisites (9 credits)

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Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitute: EDFX085

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

#### Additional Diversity (6 credits)

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Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### **Core Requirements (13 credits)**

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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)

### **Internships (12 credits)**

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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.

EDE4943 Practicum II: Student Intern (12 Credits)

### **Major Requirements (41 credits)**

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EEC3408 Family School Partnerships (2 Credits)  
EEC3731 Wellness for the Young Child (3 Credits)  
EEC4207 Meas/Ev/Plan Early Child Lit (3 Credits)  
EEC4210 Teaching Math/Science in EC (6 Credits)  
EEC4213 Teaching Begin Read and Write (6 Credits)  
EEC4244 SS, Art and Music Across Curri (6 Credits)  
EEC4260 Teaching the Whole Child (3 Credits)  
EEX4201 Pre-K/Prim Child Exceptional (3 Credits)  
LAE3210 Foundations of Literacy (3 Credits)  
TSL3080 Principles and Issues in TESOL (3 Credits)  
TSL4340 TESOL Methods and Curriculum (3 Credits)

### **48 Upper Level Hours (48 credits)**

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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

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### Major: Elementary Education Concentration: Elementary Education (K-6) Degree: Bachelor of Arts in Education

#### Prerequisites (9 credits)

---

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitute: EDFX085

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and



### **Core Requirements (13 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)  
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 (41 credits)**

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EDG3324 Methods of Conceptual Teaching (3 Credits)  
EDG4373 Visual Art/Music Meth Ele Tch (3 Credits)  
EEX3202 Psych/Soc Exceptional Learners (3 Credits)  
HSC3301 Health/Movmt Edu in Elem Sch (3 Credits)  
LAE3210 Foundations of Literacy (3 Credits)  
LAE3211 Methods/Resources Lit Develop (6 Credits)  
LAE4312 Meas, Eval and Plan Lit Develop (3 Credits)  
MAE3312 Math Methods for Elem Teachers (4 Credits)  
SCE3310 Science Methods: Elem Teachers (3 Credits)  
SSE3313 Social Study Methods: Elem Tchr (4 Credits)  
TSL3080 Principles and Issues in TESOL (3 Credits)  
TSL4340 TESOL Methods and Curriculum (3 Credits)

### **Internships (12 credits)**

---

All degree course work must be completed satisfactorily before 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.

EDE4943 Practicum II: Student Intern (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

## Table of Contents

### 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.

CHOOSE One of the following:

- EEC 4244 Int Soc Studies, Art and Music Across Curr
- OR
- EEC 4210 Math, Science & Social Studies

REQUIRED These are required courses:

- EEC 3266 Program Planning:Infants & Toddlers
- EEC 3408 Family School Partnerships
- EEC 4260 Deve. App. Pract. Pre-Kinderg Prm Teacher
- LAE 3210 Foundations of Literacy

## Table of Contents

### Major: Curriculum and Instruction Concentration: Professional Education Degree: Master of Education

#### Core Requirements (6 credits)

---

EDF6480 Foundations of Ed Research (3 Credits)  
EDF6607 Education in America (3 Credits)

#### Major Requirements (18 credits)

---

EDG6070 Tchr Thinking/Decision Making (3 Credits)  
ESE6215 Secondary School Curriculum (3 Credits)  
EDG6923 Curriculum Readings (3 Credits)  
SELECT\_ 2 from the following:

- EDG 6336 Improvement of Instruction
- EME 6050 Enhancing Instruction with Technology
- EDG 6407 Managing Effective Learning Environments
- EDF 5608 Sociological Bases of Education
- EDG 6356 Gen Ed Comp: Models of Teaching

SELECT 1 from the following:

- LAE 6339 Spec. Methods: English
- SCE 6337 Spec Methods: Science
- SSE 6385 Spec Methods: Social Studies
- MAE 6336 Spec Methods: Math
- FLE 6555 Special Methods: Foreign Language

ELECTIVES Select as follows:

Select 3 Content Courses from Arts & Sciences or other colleges in consultation with program sponsor.

#### Culminating Experience (3 credits)

---

EDG6911 Action Research in Education (3 Credits)

#### Major Electives (9 credits)

---

ELECTIVE Select 3 Courses (9 Hours)

Content Specialization: Content must satisfy initial certification requirements, plus 3 content courses (various semester hours) selected from Arts and Sciences in consultation with program sponsor.

## Table of Contents

### Major: Elementary Education Concentration: Literacy Degree: Master of Education

#### Prerequisites (0 credits)

---

- Be eligible for or hold a teaching certificate in Elementary or Secondary Education.
- Have successfully completed one of the following: a)2011 Revised Florida Reading Competencies 1-4, b)Florida Reading Competencies 1-5 (prior 2011 version), c) Have 12 credit hours in reading/literacy with evidence of covering indicators of the 2011 Revised Florida Reading Competencies 1-4.
- Have taken a general assessment course at either the undergraduate or graduate level such as EDF 4444 Assessment of Learn/Behavior or EDF 6442 Assessment in the Curriculum.

#### Core Requirements (6 credits)

---

EDF6480 Foundations of Ed Research (3 Credits)  
EDF6607 Education in America (3 Credits)

#### Major Requirements (18 credits)

---

LAE6415 Teaching Literacy with Books (3 Credits)  
RED5846 Practicum in Reading (1-3 Credits)  
RED6096 Literacy Coaching (3 Credits)  
RED6546 Literacy Difficulties (3 Credits)  
SELECT One from below:

- LAE 6319 Language Arts Methods for Elementary Teachers
- LAE 6339 Special Methods in Teaching English

SELECT\_ One of the following:

- EDE 6225 Elementary School Curriculum
- ESE 6215 Secondary School Curriculum
- EEC 6205 Curriculum & Instruction in Early Childhood Ed

#### Major Electives (9 credits)

---

ELECTIVES Choose 3 from the following:

- EDE 6205 Teaching All Children
- EDF 6442 Assessment in the Curriculum
- EEC 6611 Early Childhood Education
- EME 6046 Technology and Literacy
- RED 6345 Motivating Reluctant Readers
- RED 6698 Teaching Critical Literacy
- RED 6697 Teaching New Literacies
- RED 6303 Building Literacy Through Play
- RED 6000 Language & Cognitive Found. for Reading
- RED 6349 Literacy through Storytelling
- RED 6796 Literacy Research, Issues and Trends

#### Culminating Experience (3 credits)

---

RED6395 Adv Read Assess/Prog Implement (3 Credits)

## Table of Contents

**Major: Elementary Education**  
**Concentration: Tch Eng/Speakers of Other Lang**  
**Degree: Master of Education**

### Core Requirements (6 credits)

---

EDF6480 Foundations of Ed Research (3 Credits)  
EDF6607 Education in America (3 Credits)

### Major Requirements (24 credits)

---

SELECT One of the following courses:

- ESE 6215 Secondary School Curriculum
- EDE 6225 Elementary School Curriculum
- EDG 6626 Curriculum & Instr. for Adult Learning

EDG6325 GenEd Comp:Models of Teach (3 Credits)  
TSL6345 ESOL Methods (3 Credits)  
TSL6525 Cross Culture Comm/Knowledge (3 Credits)  
TSL6440 Assessment in ESOL Settings (3 Credits)  
TSL6142 ESOL: Curriculum Development (3 Credits)  
TSL6350 Grammar for Teachers of ESOL (3 Credits)  
TSL6252 Principles of Ling/ESOL (3 Credits)

### Culminating Experience (6 credits)

---

CHOOSE ONE OF THE FOLLOWING OPTIONS:

OPTION ONE:

- TSL 6940 TESOL Practicum
- OPTION TWO:
- EDF 6971 Research Master's Thesis

## Table of Contents

### Major: Special Education Concentration: Exceptional Student Education Degree: Bachelor of Arts in Education

#### Prerequisites (9 credits)

---

Grade of "C" or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitute: EDFX085

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and

### **Core Requirements (13 credits)**

---

EDF3151 Educational Psychology (3 Credits)

- offered: Fall, Spring , Summer

EDF3945 Field Laboratory I (2-4 Credits)

- offered: Fall, Spring

EDF3946 Field Laboratory II (2-4 Credits)

- offered: Fall, Spring

EDF4444 Assessment of Learn/Behavior (3 Credits)

- offered: Fall, Spring, Summer

EEX4616 Clsrm Mgmt Exceptional Learner (3 Credits)

- offered: Summer Only

### **Major Requirements (41 credits)**

---

EEX3202 Psych/Soc Exceptional Learners (3 Credits)

- offered: Spring, Fall, Summer

EEX3250 Read Mthds:Learners Exception (3 Credits)

- offered: Fall Only

EEX3252 Lang Arts:Exceptional Learners (3 Credits)

- offered: Spring Only

EEX4101 Language Development/Disorders (2-3 Credits)

- offered: Fall, Summer Only

EEX4221 Ed Assessment/Learners Except (3 Credits)

- offered: Fall Only

EEX4255 Curr/Instr: Learners Except (3 Credits)

- offered: Spring Only

EEX4281 Soc,Pers,Car:Learners Except (3 Credits)

- offered: Summer Only

EEX4474 Teach Mod/Sev (3 Credits)

- offered: Fall Only

EEX4484 Math Sci Except Lnrs (3 Credits)

- offered: Spring Only

EEX4604 Behavior Mang and Rsrch (3 Credits)

- offered: Spring Only

EEX4753 Cooperative Consultation (3 Credits)



- offered: Fall Only

RED3310 Teaching Reading as a Process (3 Credits)

- offered: Fall, Spring, Summer

TSL3080 Principles and Issues in TESOL (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

## Table of Contents

**Major: ASL/English Interpreting**

**Degree: Bachelor of Science**

### Major Requirements (48 credits)

---

INT3134 Applied Ethics in Interpreting (3 Credits)  
INT3205 Cognitive Processing (3 Credits)  
INT3226 Advanced ASL Proficiency  
INT3270 Adv ASL Classifiers Interp (3 Credits)  
INT3271 Interp. Consec. Dialogue (3 Credits)  
INT3280 Mentor Cert Prep (3 Credits)  
INT3950 (CD)Into 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 Deaf-Blind (3 Credits)  
INT4455 Interpreting Diverse Pop (3 Credits)  
INT4910 Research in Interpreting (3 Credits)  
INT4947 Interp Pract Portfolio Pres (6 Credits)

## Table of Contents

### 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 MUST TAKE THE FOLLOWING:

- 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)

## Table of Contents

### Major: Special Education Concentration: Exceptional Student Education Degree: Master of Education

#### 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 Principles and Issues in TESOL (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 of Special Ed (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)

## Table of Contents

**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)

### Major Requirements (12 credits)

---

EEX5053 Foundations of Special Ed (3 Credits)  
EEX6025 Issues/Trends Special Ed (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

## Table of Contents

**Major: Special Education**  
**Concentration: Applied Behavior Analysis**  
**Degree: Master of Education**

### Core Requirements (6 credits)

---

EDF6480 Foundations of Ed Research (3 Credits)  
EDF6607 Education in America (3 Credits)

### Major Requirements (24 credits)

---

EEX5053 Foundations of Special Ed (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 Special Ed (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)

### Major Electives (6 credits)

---

SELECT 2 from the following list:

Select courses with the following prefixes at the 5000-6000 level.

EED/EEX/EGI/EHD/ELD/EMR/SPA/EDG/EDF/EME/TSL/SDS/MHS/EDA/EDS

## Table of Contents

### Major: Special Education Concentration: Autism Degree: Master of Education

#### Core Requirements (6 credits)

---

EDF6480 Foundations of Ed Research (3 Credits)  
EDF6607 Education in America (3 Credits)

#### Major Requirements (12 credits)

---

EEX5053 Foundations of Special Ed (3 Credits)

- Offered FALL

EEX6025 Issues/Trends Special Ed (3 Credits)

- Offered FALL

EEX6301 Research in Special Education (1-3 Credits)

- Offered SPRING

EEX6402 Comm, Coll, Consult Spec Ed (3 Credits)

- Offered SPRING

#### Major Electives (18 credits)

---

EEX5095 Autism Nature and Needs (3 Credits)  
EEX5297 Dev/Assessment with Autism (3 Credits)  
EEX5767 Assistive Tech and Autism (3 Credits)  
EEX6625 App Beh Anal Ed and Perf Mgmt (3 Credits)  
EEX6841 Practicum in Special Education (3-9 Credits)



## Table of Contents

**Major: ASL/English Interpreting**  
**Concentration: General Practice**  
**Degree: Master of Science**

### Major Requirements (36 credits)

---

INT5457 Interp Intercultural Contexts (3 Credits)  
INT5805 Mentoring Int. Ed. (3 Credits)  
INT5954 Service Learn DC (3 Credits)  
INT6276 Teaching Cognitive Processing (3 Credits)  
INT6277 ASL Exp. Comp. Tech. (3 Credits)  
INT6425 Interp in Legal Settings (3 Credits)  
INT6435 Mental Health Interpreting (3 Credits)  
INT6436 Healthcare Interpreting (3 Credits)  
INT6911 Applied Reasearch Interpret (3 Credits)  
INT6944 Interpreting Internship (6 Credits)  
INT6990 Experimental: Education (0-12 Credits)

## Table of Contents

### Major: Middle School Education Concentration: Math/Science Option Degree: Bachelor of Arts in Education

#### Prerequisites (30 credits)

---

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitute: EDFX085, EDG 2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

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 Earth Science (3 Credits)

ESC2000L Earth Science Lab (1 Credit)

BSC1010C General Biology I (4 Credits)

CHM2045C General Chemistry I (4 Credits)

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy

- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### **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 Managment Commun (3 Credits)

### **Major Requirements (35 credits)**

---

AST2002 Basic 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 Introduction to Physics (2 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



## Table of Contents

### Major: Science Education Concentration: Biology (6-12) Degree: Bachelor of Arts in Education

#### Prerequisites (29 credits)

---

Minimum "C" grade required. NOTE: UNF prefers that students take one Chemistry and one Physics course instead of two Physics courses in addition to the Biology.

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitute: MACX311, MACX241

BSC1010C General Biology I (4 Credits)

- Acceptable substitute: BSC X010/X010L

BSC1011C General Biology II (4 Credits)

- Acceptable substitute: BSC X011/X011L

CHM2045C General Chemistry I (4 Credits)

- Acceptable substitutes: CHMX045/X045L, PHYX048/X048L, PHYX048C, PHYX053/X053L, PHYX053C

CHM2046C General Chemistry II (4 Credits)

- Acceptable substitutes: PHYX048/X048L, PHYX048C, PHYX053/X053L, PHYX053C

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing

- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

#### Foundation (8 credits)

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- BSC2012C General Biology III (4 Credits)
- CHM2210 Organic Chemistry I (3 Credits)
- CHM2210L Organic Chemistry I Laboratory (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 (27 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)
- SELECT 2 courses @ 3000-4000 level  
from the following prefixes:

- AST/BCH/CHM/CHS/MCB/PCB/PHY/PHZ/PSC/ISC/ZOO

- 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



## Table of Contents

**Major: Science Education**  
**Concentration: Chemistry (6-12)**  
**Degree: Bachelor of Arts in Education**

### Prerequisites (29 credits)

---

Minimum "C" grade required.

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

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

BSC1010C General Biology I (4 Credits)

- Acceptable substitute: BSCX010/X010L

PHY2048C Fund Physics I (4 Credits)

- Acceptable substitutes: PHYX048/PHYX048L, PHYX053/X053L PHYX053C, PHYX054C

### Additional Diversity (6 credits)

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Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage

- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### Foundation (8 credits)

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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)

### Core Requirements (16 credits)

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- 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 Managment Commun (3 Credits)

### Major Requirements (29 credits)

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- CHM3120C Quantitative Analytical Chemis (4 Credits)
- CHM3610 Inorganic Chemistry (3 Credits)
- CHM3610L Inorganic Chemistry Laboratory (1 Credit)
- CHM4410C Physical Chemistry I (4 Credits)
- RED3333 Content Area Reading (3 Credits)
- SCE4330 Special Meth:Secondary Science (3 Credits)
- SELECT 2 of the following:

Must select two of the three below

- BCH 4033 Biochemistry AND BCH 4033L Biochemistry Lab  
or
- CHM 4130C Mod Analytical Chemistry  
or
- CHS 4610 and CHS 4610L Environmental Chemistry and lab

TSL4324 TESOL for Content Area Teacher (3 Credits)

### Internships (12 credits)

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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

## Table of Contents

### Major: English Education Concentration: English (6-12) Degree: Bachelor of Arts in Education

#### Prerequisites (18 credits)

---

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

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

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind

- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### 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 Managment Commun (3 Credits)

### Major Requirements (42 credits)

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- LAE4335 Spec Method:Secondary English (3 Credits)
  - ENG4013 Approach to Lit Interpretation (3 Credits)
  - RED3333 Content Area Reading (3 Credits)
  - AML3621 (GW) Black American Literature (3 Credits)
  - LIT3333 Adolescent Literature (3 Credits)
  - ENL3333 Shakespeare (3 Credits)
  - ENC3310 (GW) Writing Prose (3 Credits)
  - LIN3010 Principles of Linguistics (3 Credits)
  - RED3310 Teaching Reading as a Process (3 Credits)
  - EEX3250 Read Mthds:Learners Exception (3 Credits)
  - TSL3080 Principles and Issues in TESOL (3 Credits)
  - TSL4340 TESOL Methods and Curriculum (3 Credits)
  - TSL4360 TESOL Meth & Curr for Sec Tchr (3 Credits)
- SELECT 1 FROM THE FOLLOWING LIST:

- AML 3102 G(W) American Fiction
  - AML 3154 G(W) American Poetry
  - ENG 4105 Film as Literature
  - ENL 3112 G(W) British Novel I
  - ENL 3132 G(W) British Novel II
  - LIT 3043 G(W) Modern Comtemporany Drama
  - LIT 3331 G(W) Children's Literature
  - LIT 4041 Study in Drama
  - LIT 3045 Periods of Drama Literature
- \*

### 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

## Table of Contents

### Major: Math Education Concentration: Math (6-12) Degree: Bachelor of Arts in Education

#### Prerequisites (21 credits)

---

A grade of "C" or better is required in all prerequisite coursework.

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

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

#### Additional Diversity (6 credits)

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Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind



- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### **Core Requirements (16 credits)**

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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 Managment Commun (3 Credits)

### **Major Requirements (38 credits)**

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MAA4200 (GM) Mathematical Analysis (4 Credits)  
 MAC2313 (GM) Calculus III (4 Credits)  
 MAE4330 Spec Method: Secondary Math (4 Credits)  
 MAS3105 (GM) Linear Algebra (4 Credits)  
 MAS3203 (GM) Number Theory (3 Credits)  
 MHF3202 (GM)Foundations of Mathematics (3 Credits)  
 MHF3404 (GM) History of Mathematics (3 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

## Table of Contents

**Major: Science Education**  
**Concentration: Physics (6-12)**  
**Degree: Bachelor of Arts in Education**

### Prerequisites (29 credits)

---

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

MAC2311 (GM) Calculus I (4 Credits)

- Acceptable substitute: MACX311

MAC2312 (GM) Calculus II (4 Credits)

MAC2313 (GM) Calculus III (4 Credits)

PHYSICS Requirement:

Choose one from the following:

- PHY 2048/PHY 2048L and PHY 2049/PHY 2049L OR
- PHY 2048C and PHY 2049C OR
- PHY 2053/ PHY 2053L and PHY 2054/PHY 2054L OR
- PHY 2053C and PHY 2054C OR

CHM2045C General Chemistry I (4 Credits)

- Acceptable substitutes: CHMX045/X045L, CHMX045C, or
- CHMX046C, or CHMX046/X046L

### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy

- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

#### **Foundation (4 credits)**

---

- AST2002 Basic Astronomy (3 Credits)
- AST2002L Basic 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 Managment Commun (3 Credits)

#### **Major Requirements (31 credits)**

---

- PHY3101 Modern Physics (3 Credits)
- PHY3101L Modern Physics Lab (1 Credit)
- PHY3220 Classical Mechanics (4 Credits)
- PHY3320 Electricity and Magnetism (4 Credits)
- PHY3424 Optics (3 Credits)
- PHY3722C Electronics for Scientists (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)

#### **Internships (12 credits)**

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- EDE4943 Practicum II: Student Intern (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

## Table of Contents

### Major: Social Studies Education Concentration: Social Studies (6-12) Degree: Bachelor of Arts in Education

#### Prerequisites (21 credits)

---

Grade of C or higher required

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

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)

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing

- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### 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 Managment Commun (3 Credits)

### Major Requirements (34 credits)

---

AMH3420 Florida History (3 Credits)  
 ECO3622 American Economic 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 (4 Credits)  
 ASH 3000 LEVEL COURSE

- Select one ASH course at the 3000-4000 level.

HISTORY 3000 LEVEL COURSE

- From the following prefixes: AFH/AMH/ASH/EUH/HIS/LAH NOTE: if AMH 2000 was not taken to meet prerequisites, this course must be any AMH 3000-level course other than AMH 3420 AFH/AMH/ASH/EUH/HIS/LAH/WOH

LAH\_3300 OR ANY LAH 3000 LEVEL COURSE

\*

TSL4324 TESOL for Content Area Teacher (3 Credits)

### Internships (12 credits)

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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 (1 credits)**

---

SELECT 1 CREDIT FROM THE FOLLOWING  
LIST OF PREFIXES AT THE 3000-4000 LEVEL:

- AMH/ECO/EUH/HIS/INR/LAH/POS/PSY/SOP/SYA/SYG/SYO

### **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

## Table of Contents

### Major: Art Education Concentration: Art Education (K-12) Degree: Bachelor of Arts in Education

#### Prerequisites (27 credits)

---

A minimum "C" grade is required.

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

ARH2050 Art History Survey I (3 Credits)

- Acceptable substitute: ARHX050

ARH2051 Art History Survey II (3 Credits)

- Acceptable substitute: ARHX051

ART1201C Two-Dimensional Design (3 Credits)

- Acceptable substitute: ARTX201

ART2203C Three-Dimensional Design (3 Credits)

- Acceptable substitutes: ARTX203, ARTX202

ART1300C Drawing I (3 Credits)

- Acceptable substitute: ARTX300

ART2301C Drawing II (3 Credits)

- Acceptable substitutes: ARTX301, ARTX330, ARTX205, ARTX310, ARTX305

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing



- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### Foundation (3 credits)

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ART2500C Painting 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)  
 EDG3323 The Learning Process (3 Credits)  
 EDF4444 Assessment of Learn/Behavior (3 Credits)  
 EDG4410 Classroom Managment Commun (3 Credits)

### Major Requirements (31 credits)

---

ARE4353 Art Methods K-12 (4 Credits)  
 ARE4356 Tch Aesth, Crit, and Art Hist (3 Credits)  
 ART2400C Introduction to Printmaking (3 Credits)  
 ART3504C Painting III (3 Credits)  
 ART3707C Sculpture I (3 Credits)  
 ART3786C Ceramics (3 Credits)  
 ART4965C Fine Arts Portfolio (3 Credits)  
 PGY2401C Black and White Photography (3 Credits)  
 RED3333 Content Area Reading (3 Credits)  
 TSL4324 TESOL for Content Area Teacher (3 Credits)

### Internships (12 credits)

---

All degree course work must be completed satisfactorily before enrolling in 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.

EDE4943 Practicum II: Student Intern (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



## Table of Contents

### Major: Physical Education Concentration: Physical Education (K-12) Degree: Bachelor of Arts in Education

#### Prerequisites (24 credits)

---

EDF1005 Intro to Teaching Profession (3 Credits)

- Acceptable substitute: EDFX005

EDF2085 Intro to Diversity Educators (3 Credits)

- Acceptable substitutes: EDFX085, EDG 2701

EME2040 Intro to Tech for Educators (3 Credits)

- Acceptable substitute: EMEX040

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSC2086C Human Anatomy & Physiology II (4 Credits)

- Acceptable substitute for BSC2086C is PETX622

SELECT 4-5 CREDIT HOURS

of Skill Development Courses in Physical Activities from the following prefixes:  
PEM/PEN/PEL/PEO/PEP/PEQ (Must be in different sports.)

CHOOSE 3 credit hours from below:

Conditioning, Fitness and Wellness courses

- PEM 1131 Weight Training
- PEM 1930 Aerobic Dance
- PEN 2172 Fitness Swimming
- PEM 1104 Physical Conditioning

#### Additional Diversity (6 credits)

---

Select six semester hours with an international or diversity focus. This requirement may be satisfied by the completion of the general education or free elective requirements during the first sixty semester hours. Foreign language courses may be used to meet this requirement. See an academic advisor prior to enrolling in these courses.

SELECT\_ 6 HOURS FROM THE FOLLOWING:

- CPO 3123 (FC) Pol/Soc of Britain & Ireland
- CPO 4034 Third World Politics
- ECO 3703 International Trade
- ECO 4504 Public Finance
- ECO 4723 International Monetary System
- FIN 4604 International Finance
- GEO 2420 CD-Cultural Geography
- HSC 4141 Etiology: Addiction
- HSC 4160 Human Dev Health Beh Adc
- HSC 4563 Dimens: Hlth Older Adu
- MAR 4156 International Marketing
- MUH 2018 Evolution of Jazz
- MUH 3055 (FC) Afr Am Mus Heritage
- PET 4640 Adapted Phys Educ
- PHH 3100 Ancient Philosophy
- PHH 3120 (FC) Greek Experience
- PHH 3400 Modern Philosophy
- PHH 3500 19th Century Philosophy

- PHH 3811 Philosophy/Zen Buddhism
- PHH 4601 20th Century Cont Philosophy
- PHH 3860 (FC) Japanese Mind
- REL 2300 CD-Comparative Religion
- REL 3145 Woman Relg Wst Exper
- REL 3213 Hebrew Bible/Old Testament
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3443 Liberation Theology
- SOP 3742 CD-Pysch of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEX/EHD/  
ELD/EMR/SPA/ARH/FOL/FRE/FRT/FRW/JPN/LAS/SPN/SPT/SPW except  
ARH 3423, ARH 3470, ARH 3930, ARH 4710, ARH 4724, ARH 4800 and  
INR 4334.

### Foundation (6 credits)

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CHOOSE PET 2351C or APK 3110C  
TSL4324 TESOL for Content Area Teacher (3 Credits)

### Core Requirements (28 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)  
RED3333 Content Area Reading (3 Credits)  
EDG4410 Classroom Managment Commun (3 Credits)  
PET4945L Student Teaching (12 Credits)

### Major Requirements (31 credits)

---

PE02004 Theory/Practice in Coaching  
PEO3106 Fitness Education (3 Credits)  
PET3311 Kinesiology and Motor Behavior (3 Credits)  
PET3434 Teaching Movement (3 Credits)  
PET3641 Cur Mth K12 and Adpt PE (3 Credits)  
PET3820 Teaching Sport Skill (3 Credits)  
PET4401 Admin Physical Education/Sport (3 Credits)  
SELECT ONE PHYSICAL ED ELECTIVE

from the following list of prefixes:

PEL, PEN, PEO, PEP, PEQ, PEM, PET, HSC

SELECT\_ 1 Health Elective

from the following:

- HSC 2100 Personal Health Issues & Problems
- HSC 3555 Diseases: Prevention, Intervention & Treatment
- HSC 4133 Sexuality Education
- HSC 4134 Mental/Emotional Health Education
- HSC 4150 Substance Abuse & Violence Prevention
- HUN 2201 Basic Principles of Nutrition
- PEP 4135 Principles of Strength & Conditioning
- PET 3080 Physical Activity & Health
- PET 4550 Physical Fitness Assessment & Exercise Prescri
- PET 2622 Care/Prevention of Sport Injuries (must take if  
not taken as a lower level prerequisite)

### 48 Upper Level Hours (48 credits)

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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

## Table of Contents

### Major: Sport Management Degree: Bachelor of Science

#### Prerequisites (6 credits)

---

ACG2021 Prin of Financial Accounting (3 Credits)  
ECO2013 Principles of Macroeconomics (3 Credits)

#### Major Requirements (30 credits)

---

LDR4340 Res. Dev. Comm. Org. (3 Credits)  
PET3473 Communication in Sport (3 Credits)

- Offered Spring Only

PET3493 Issues in Sport (3 Credits)

- Offered Fall Only

PET4401 Admin Physical Education/Sport (3 Credits)

- Offered Fall/Spring/Summer

PET4464 Sport Finance (3 Credits)

- Offered Fall Only

PET4476 Sport Law (3 Credits)

- Offered Fall Only

SPM2000 Intro to Spt Mgmt (3 Credits)

- Offered Fall/Spring/Summer

SPM3044 Governance and NCAA Compliance (3 Credits)

- Offered Spring Only

SPM3104 Sport Facility Management (3 Credits)

- Offered Summer Only

SPM3306 Sport Marketing (3 Credits)

- Offered Spring Only

#### Required Business (15 credits)

---

ECO2023 Principles of Microeconomics (3 Credits)  
MAN3025 Administrative Management (3 Credits)  
MAN3504 Operations Management (3 Credits)  
MAR3023 Principles of Marketing (3 Credits)  
STA2023 (GM) Elem Statistics-Business (3 Credits)

#### Field Experience (15 credits)

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SPM3948C Sport Management Practicum (3 Credits)

- Offered Fall/Spring/Summer

SPM4941 Sport Management Internship (12 Credits)

Offered Fall/Spring/Summer

**48 Upper Level Hours (48 credits)**

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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



## Table of Contents

### Major: Sport Management Concentration: Community Sport Degree: Bachelor of Science

#### Prerequisites (12 credits)

---

ACG2021 Prin of Financial Accounting (3 Credits)  
BSC2085C Human Anatomy and Physiology I (4 Credits)

- Acceptable substitutes: PETX030C

ECO2013 Principles of Macroeconomics (3 Credits)  
PET2622 Care/Prevention Sport Injuries (3 Credits)

- Acceptable substitute: PETX622C

#### Major Requirements (48 credits)

---

EDA4214 Rec. Dev. for NP Org. (3 Credits)  
PET3473 Communication in Sport (3 Credits)  
PET3493 Issues in Sport (3 Credits)  
PET4401 Admin Physical Education/Sport (3 Credits)  
PET4464 Sport Finance (3 Credits)  
PET4476 Sport Law (3 Credits)  
SPM2000 Intro to Spt Mgmt (3 Credits)  
SPM3044 Governance and NCAA Compliance (3 Credits)  
SPM3104 Sport Facility Management (3 Credits)  
SPM3306 Sport Marketing (3 Credits)

\_SELECT 6 courses or 18 hours

FROM THE FOLLOWING LIST:

- PET 3713 Spec Methods K-8/6-12 PE
- APK 3110C Physiology of Exercise
- PET3311 Kinesiology/Motor Behavior
- PET 4640 Adapted Physical Education
- PEP 3205 Gym/Body Man in Elem
- PEO 4004 Theory/Practice Coach
- PEO 3007 Selected Coaching
- PET 3474 Special Topics in Sports
- SPM 3948C Sport Management Practicum
- or choose any 3000-4000 level course from any HSC/HUN/ PEL/PEM/PEN Health/Fitness Sport Activity.

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#### Internships (12 credits)

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SPM4941 Sport Management Internship (12 Credits)

#### 48 Upper Level Hours (48 credits)

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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

## Table of Contents

### 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

## Table of Contents

### Major: Educational Leadership

### Degree: Doctor of Education

#### Major Requirements (64 credits)

---

EDA7980 Doctoral Dissertation Research (1-12 Credits)

A minimum of 24 hours of dissertation is required.

EDA7190 Evolving Idea of the Ed Leader (3 Credits)

EDA7192 Leadership:Group/Team Context (3 Credits)

EDA7193 Ed Leadership Iv:Leadsp/Change (3 Credits)

EDA7194 Seminar in Educational Policy (3 Credits)

EDA7262 Ed Leader III:Org Theory & Des (3 Credits)

EDA7400 Research Ed Ld:Quantita Method (3 Credits)

EDA7410 Research Ed Ld:Qualita Method (3 Credits)

EDA7420 Foundations Research:Ed Leadsp (3 Credits)

EDA7421 Inquiry Into Rsch in Ed Leadsp (1 Credit)

EDA7945 Practicum:Leadership Assm/Deve (1-6 Credits)

Minimum of 3 hours required.

EDA7979 Research Seminar:Ed Leadership (3-6 Credits)

Minimum of 3 hours required.

EDF7215 Psy-Soc Aspects of Lrn & Instr (3 Credits)

EDF7545 Philosophy of Education (3 Credits)

EDF7635 Cultrl/Soc Foundation of Ed (3 Credits)

#### (12 credits)

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COGNATE 12 HOURS REQUIRED

12 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.

## Table of Contents

**Major: Educational Leadership**  
**Concentration: School Leadership**  
**Degree: Master of Education**

### Core Requirements (6 credits)

---

EDF6607 Education in America (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- EDF 6480 Foundations in Education Research
- EDG 6911 Action Research in Education

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### Major Requirements (33 credits)

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EDA6061 Introduction to Ed Leadership (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)

EDA6271 Technology and Ed Leadership (3 Credits)

EDA6945 Practicum in Educatl Leadrshp (1-9 Credits)

EDG6287 Princpls of School Acblty & As (1-3 Credits)

EDG6625 Curriculum Leadership Schools (3 Credits)

EDS6050 Instructional Leadership (3 Credits)

EDS6130 Human Resource Deve in Educati (3 Credits)

## Table of Contents

**Major: Educational Leadership**  
**Concentration: Higher Education Admin.**  
**Degree: Master of Education**

### Core Requirements (6 credits)

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EDF6480 Foundations of Ed Research (3 Credits)  
EDH6069 Foundations of Higher Ed (3 Credits)

### Major Requirements (18 credits)

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EDH6401 Higher Education Policy (3 Credits)  
EDH6405 Higher Education Law (3 Credits)  
EDH6505 Higher Education Finance (3 Credits)  
EDH6635 Org and Leadership in Higher Ed (3 Credits)  
SDS6646 Foundations of Student Affairs (3 Credits)  
SDS6700 Diversity in Higher Ed. (3 Credits)

### Major Electives (12 credits)

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CHOOSE 12 hours from the following:

- EDA 6930 Grants Development & Proj Design
- EDA 6946 Practicum in Higher Education Admin.
- EDA 6271 Technology and Educational Leadership
- EDA 6199 International Perspectives of Ed Leadership
- EDA 6191 Team Leadership
- EDA 6196 Ldrsp for Learnng Organizations
- EDA 6302 Lifelong Learning & Development
- EDG 6626 Curriculum Leadership
- EDS 6130 Human Resource Development in Ed.
- EME 6409 Interactive Distance Education
- EME 6601 Instructional Design & Applications
- SDS 6640 Leadership of Student Affairs
- SDS 6645 Student Development in Higher Ed.
- SPM 5605 Sport Governance & Compliance
- Non-Profit Management Certificate (12 hours)
- PAD 6142 Management of Non-profit Organizations
- PAD 6164 NPO Stakeholder Relations
- PAD 6208 NPO Financial Management
- PAD 6934 E-Governance in Public NP Org.
- or choose 4 with faculty advisor approval

## Table of Contents

### Major: Educational Leadership Concentration: Advanced Teaching & Learning Degree: Master of Education

#### Core Requirements (6 credits)

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SELECT 1 FROM THE FOLLOWING:

- EDF 6607 Education in America
- EDF 6687 Multi & Urban Foundation in Education

SELECT\_1 FROM THE FOLLOWING:

- EDF 6480 Foundations in Education Research
- EDG 6911 Action Research in Education

#### Major Requirements (21 credits)

---

EDS6050 Instructional Leadership (3 Credits)  
EDA6945 Practicum in Educatl Leadrshp (1-9 Credits)  
EDA6191 Team Leadership (3 Credits)  
EDA6196 Leadership/Learning Organizat (3 Credits)  
EDA6302 Lifelong Learning/Prof Develop (3 Credits)  
EDG6285 Fundamentals of Program Eval (3 Credits)  
EDG6626 Curr/Instr for Adult Learning (3 Credits)

#### Major Electives (12 credits)

---

SELECT 12 HOURS

FROM THE FOLLOWING LIST:

- EDA 6271 Ed Management System
- EDA 6330 Admin Management Student Services
- EDF 6211 Advanced Educational Psychology
- EDF 6442 Assessment in the Curriculum
- EDG 6287 Princ School Accountability & Assessment
- EDG 6625 Curriculum Leadership in School
- EDG 6336 Improvement of Instruction
- EME 6405 Educational Web Design
- EME 6409 Interactive Distance Education
- EME 6418 Educational Multimedia
- EME 6441 Technology for Special Populations
- EME 6601 Instructional Design & Application
- TSL 6142 ESOL Curriculum Development
- TSL 6345 Methods Teaching ESOL
- EEX 5053 Foundations in Special Education
- EEX 6283 Social, Personal, Career Exceptional Child
- OR a pre-approved elective

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## Table of Contents

### Major: Educational Leadership Concentration: Educational Tech Leadership Degree: Master of Education

#### Core Requirements (6 credits)

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SELECT ONE FROM THE FOLLOWING:

- EDF 6607 Education in America OR
- EDF 6687 Multicultural & Urban Foundations in Education

SELECT\_ ONE FROM THE FOLLOWING:

- EDF 6480 Foundations in Education Research OR
- EDG 6911 Action Research in Education

#### Major Requirements (18 credits)

---

EDA6061 Introduction to Ed Leadership (3 Credits)  
EDA6191 Team Leadership (3 Credits)  
EDA6196 Leadership/Learning Organizat (3 Credits)  
EDA6302 Lifelong Learning/Prof Develop (3 Credits)  
EDG6285 Fundamentals of Program Eval (3 Credits)  
SELECT 1 FROM THE FOLLOWING:

- EDA 6271 Technology for Educational Leaders
- EME 5403 Technology in Education

#### Major Electives (15 credits)

---

EME6061 Ed Tech Portfolio (0 Credits)  
SELECT\_ 5 FROM THE FOLLOWING LIST:

- EME 6050 Enhance Instructional Technology
- EME 6405 Educational Web Design
- EME 6409 Interactive Distance Education
- EME 6418 Educational Multimedia
- EME 6441 Technology for Special Populations
- EME 6601 Instructional Design & Application
- EME 6628 Education Technology Systems
- EME 7415 Education Design Multimedia
- EME 6046 Technology and Literacy
- Or AN ELECTIVE selected in consultation with an Educational Technology faculty advisor.

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## Table of Contents

**Major: Educational Leadership**  
**Concentration: Athletic Administration**  
**Degree: Master of Education**

### Prerequisites (3 credits)

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SPM6008 Foundations of Sport Mgt (3 Credits)

### Core Requirements (6 credits)

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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)

## Table of Contents

**Major: Counselor Education**  
**Concentration: School Counseling**  
**Degree: Master of Education**

### Prerequisites

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STUDENTS WHO HAVE NOT FULFILLED THE FL DOE ENDORSEMENTS FOR ESOL AND READING MUST TAKE THESE COURSES: TSL 6700 ISSUES IN ESOL FOR SCHOOL COUNSELORS AND RED 3333 CONTENT AREA READING.

### Core Requirements (6 credits)

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EDF6495 Rsrch and Assess in Sch Cnsl (3 Credits)  
EDF6607 Education in America (3 Credits)

### Major Requirements (42 credits)

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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 Career/Lifestyle Development (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 Mngmt of Resources (3 Credits)  
SDS6832 Internship: Career Advising (3 Credits)  
SDS6940 Practicum in School Counseling (3 Credits)

# Undergraduate Courses

## Clinical and Applied Movement Sciences

### Course Descriptions:

#### **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.(A laboratory fee of \$12.00 will be assessed.)

#### **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

#### **ATR3104C: Orthopedic Taping and Bracing** **3**

*Prerequisite:* Declared major in Athletic Training

*Co-requisite:* PET 3603C, PET 3620

*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:* HSC 2400, PET 3603C, PET 3620, 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, PET 3603C and PET 3620

*Co-requisite:* PET 3671

*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:* PET 3603C, PET 3620 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:* PET 3603C, PET 3620, and PET 3621C

*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:* PET 3670

*Co-requisite:* PET 4632C, PET 4633C, and PET 3321

*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:* PET 3603C, PET 3620, 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:* PET 4633C

*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:* PET 3603C, PET 3620, 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:* PET 3351C and PET 4632C.

*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:* PET 4630C

*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:* ATR 4832

*Co-requisite:* ATR 4213C, ATR 4314, PET 4604, PET 4933, and PEP 4135.

*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.**

*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.

**1-  
3**

### **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.

### **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**

**3**

*Prerequisite or Corerequisite:* 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. (A laboratory fee of \$25.00 will be assessed.)

### **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.)

**PET3321: Gross Anatomy for Athletic Trainers****3**

Prerequisites: Declared major in Athletic Training, PET 3603C and PET 3620. Corequisite: PET 3671. 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. (A laboratory fee of \$75 will be 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.

**PET3603C: Introduction to Sports Medicine****3**

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. (A laboratory fee of \$15 assessed.)

**PET3620: 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.)

**PET3621C: Orthopedic Taping and Bracing****3**

*Prerequisite:* Declared major in Athletic Training. Corequisites: PET 3603C, PET 3620. 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. (A laboratory fee of \$30 will be assessed.)



**PET3624C: Emergency Management of Athletic Trauma** **3**

Prerequisites: HSC 2400, PET 3603C, PET 3620, and a declared major in Athletic Training. Advanced study and application of emergency management techniques in dealing with trauma resulting from injuries and illnesses suffered by an athletic population. (A laboratory fee of \$15 assessed.)

**PET3660: Athletic Training Administration** **3**

Prerequisites: PET 3603C, PET 3620 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.

**PET3670: Athletic Training Clinical Instruction I** **3**

*Prerequisite:* Declared major in Athletic Training.

*Co-requisite:* PET 3603C, PET 3620, and PET 3621C.

*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

**PET3671: Athletic Training Clinical Instruction II** **3**

Prerequisites: PET 3670 Co-requisites: PET 4632C and PET 4633C and PET 3321 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. (A material fee of \$15 assessed.)

**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 3**

*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. (A material fee of \$30 will be assessed)

**PET4623: Rehabilitation of Athletic Injuries 3**

*Prerequisite:* PET 4630C. 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. (A material fee of \$11.50 will be assessed.)

**PET4625: Research in Sports Medicine 3**

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.

**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.

**PET4630C: Therapeutic Exercise 3**

*Prerequisites:* PET 3351C, and PET 4632C. 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. (A laboratory fee of \$15 assessed.)

**PET4632C: Therapeutic Modalities 3**

*Prerequisites:* PET 3603C, PET 3620, and declared major in Athletic Training. 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. (A laboratory fee of \$15 assessed.)

**PET4633C: Orthopedic and Injury Assessment I 3**

*Prerequisites:* PET 3603C, PET 3620, and declared major in Athletic Training. The study and practice of techniques used when assessing athletic injuries to the upper extremity, head and spine. (A laboratory fee of \$15 assessed.)

**PET4676C: Athletic Training Clinical Experience** **3**

*Prerequisite:* Permission of Athletic Training Program Director 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. This course may be repeated up to 6 credits.

**PET4905: Independent Study in Exercise Science** **v.**

*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.

**1-3**

**PET4933: Seminar in Athletic Training** **3**

*Prerequisite:* PET 3660. The advanced study and discussion of specialized topics and contemporary issues related to the field of athletic training. Emphasis will be placed on professional development and employment preparation. (A material fee of \$11.50 will be assessed.)

**PET4940: Clinical Practice in Athletic Training I** **3**

*Prerequisite:* PET 3671. Corequisites: PET 4633C, PET 3660, and PET 4630C. 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. (A material fee of \$15 assessed.)

**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

**PET4947C: Clinical Practice in Athletic Training II** **3**

*Prerequisite:* PET 4940. Corequisites: PET 4634C, PET 4623, PET 4604, PET 4933, PEP 4135. 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.

(A laboratory fee of \$15 assessed.)

# Undergraduate Courses

## Nutrition and Dietetics

### Course Descriptions:

#### **DIE3213: Nutrition Therapy I** **3**

*Prerequisite:* HUN 3230, HUN 3231, HUN 2201 (grade of B or higher), BCH 3023C, BSC 2085C (grade of B or higher) & BSC 2086C (grade of B or higher), CHM 2045C, FSS 1202, FSS 1202L, HUN 3403.

*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** **3**

*Prerequisite:* DIE 3213. 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 (grade of B or higher)

*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 (grade of B or higher), 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** **3**

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.

**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** **1**

*Prerequisite:* FSS 1202, FSS 1202L, CHM 2045C  
*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:* \$30

**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** **1**

*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:* \$30

### **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.

### **FSS4230L: Field Experience in Quantity Food Preparation**

**1**

*Prerequisites:* FSS 1202, FSS 1202L, MCB 2010C, CHM 2045C; Co or prerequisite: FSS 4230. Practical application of quantity food preparation principles in the commercial, institutional, and community setting. Students must meet the health requirements of the participating facility. May be repeated for 3 credits. (A laboratory fee of \$15 assessed.)

### **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.

### **HUN1003C: Weight Management through Nutrition and Fitness**

**2**

Students will describe the nutrition and fitness principles of weight management and identify obstacles of, and set personal goals for, weight management. The students will describe and evaluate the major types of weight management techniques, products, and programs available in the U.S. market. Students will develop recipes and prepare dishes that are based on their personal weight management plan.

### **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.

### **HUN3230: Advanced Nutrition Science I**

**3**

*Prerequisites:* HUN 2201 (grade of B or higher), CHM 2045, CHM 2045L, BSC2085C (grade of B or higher), BSC2086C (grade of B or higher) *Co-requisites:* FSS 1202, FSS 1202L, BSH 3023C (all may be taken earlier)

*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:* FSS 1202, FSS 1202L, HUN 2201 (grade of B or higher), CHM 2045C, BSC 2085C (grade of B or higher), BSC 2086C (grade of B or higher)

*Description:* Students will assess nutrient needs of individuals at different stages of the life cycle and plan menus that meet their nutritional needs.

*Course Fees:* \$125.46

### **HUN3800: Nutrition Science Research and Ethics**

**3**

*Prerequisites:* STA 2014, HUN 2201 (grade of B or higher)

*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.

### **HUN4016C: Nutrition Counseling and Communication**

**3**

*Prerequisites:* HUN 2201 (grade of B or higher), HUN 3230, HUN 3231 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 (grade of B or higher), 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.

*Course Fees:* \$16.83

# Undergraduate Courses

## Nursing

### Course Descriptions:

#### **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.

#### **NSP3785: RN Refresher**

**3**

Prerequisites: Current licensure as a Registered Nurse; permission from the Nurses Manager of the Department of Nursing Education at Baptist Medical Center. This course provides a review of the body systems using the nursing process. Nurses will apply concepts in clinical practice. The course will provide clinical experience with assessment skills, data collection, nursing care plan and intervention and patient outcomes. Nurses will be expected to demonstrate entry level RN competency in the clinical setting.

#### **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.

#### **NUR3026L: Nursing Therapeutics I**

**1**

*Prerequisite:* Admission to the Nursing Program Corequisites: NUR 3065L, NUR 3119, NUR 3619, NUR 3166, NUR 3118L This course includes information required for basic

therapeutic nursing interventions. The focus of this course is on the development of psychomotor skills required to provide direct or indirect nursing care for individuals across the lifespan.

### **NUR3027L: Nursing Therapeutics II**

**1**

*Prerequisite:* NUR 3026L. *Corequisites:* NUR 3535C This course includes information required for advanced therapeutic nursing interventions. The focus of this course is on the development of psychomotor skills required to provide direct or indirect nursing care for individuals across the lifespan.

### **NUR3028L: Nursing Competencies**

**2**

*Prerequisite:* Admissions to the Accelerated Option in the Prelicensure Nursing Track  
*Corequisites:* NUR 3065L, NUR 3066L, NUR 3128, NUR 3619 This course includes information required for therapeutic nursing interventions. The focus of this course is on the development of psychomotor skills required to provide direct or indirect nursing care for individuals across the lifespan.

### **NUR3065L: Health Assessment of Individuals Across the Lifespan**

**3**

Prelicensure Students:*Prerequisites:* Admissions to the nursing program Prelicensure  
*Co-requisites:* NUR 3026L or NUR3028L, NUR 3118L or NUR 3066L, NUR 3619 RN-BSN

*Co-requisite:* NUR 3166 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 nursing process is introduced and the development of nursing diagnoses based on assessment findings is presented. The emphasis is on knowledge and skills required to critically evaluate health assessment data. (A laboratory fee of \$15 will be assessed.)

### **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.

### **NUR3118L: Clinical Nursing Practice**

**2**

*Prerequisite:* Admission to the Nursing Program

*Co-requisite:* NUR 3065L, NUR 3619, NUR 3166, NUR 3026L, NUR 3119

*Description:* This course provides the opportunity to use knowledge and skills in nursing care in a variety of environments of care. The focus is on the use of the nursing process in collaborative partnerships with individuals, families, and communities. The

learner will participate in clinical activities as a provider of culturally sensitive, evidence-based nursing care.

Course Fees: \$120.13

### **NUR3128: Pathophysiology and Pharmacology**

**4**

*Prerequisite:* Admission to the Nursing Program or permission of the instructor This course includes information about the pathophysiology, etiology and pharmacotherapeutic management of disease processes across the lifespan. The focus is on alterations in physiologic function as manifestations of disease with attention to differences in children, adults and older adults. Emphasis is placed on relating signs, symptoms and laboratory findings of common alterations and understanding the appropriate pharmacologic management.

### **NUR3166: Nursing Science I**

**1**

*Prerequisite:* Admission to the Nursing Program. *Corequisite:* NUR 3065L The course introduces the UNF School of Nursing Philosophy and Conceptual Framework, standardized nursing languages, taxonomies and classification systems. The focus is on nursing research evidence for practice and the review of scientific literature. Emphasis is on the use of a variety of technologic aids, such as bibliographic databases and web-based resources available to nurse scientists.

### **NUR3167: Nursing Science II**

**2**

*Prerequisites:* NUR 3166 or NUR 3816 This course includes information related to research and evidence-based practice processes. The focus is on assessment of the elements of research reports for quality. Emphasis is on skill development in rapid critical appraisal toward integrating research evidence into best practices.

### **NUR3219C: Adult Health I Rehabilitation and Chronic Care Nursing Concepts and Practice**

**4**

*Prerequisite:* NUR 3028L AND NUR 3065L AND NUR 3118L AND NUR 3619 AND NUR 3825

*Co-requisite:* NUR 3531C and NUR 3166 and NUR 3128

*Description:* The course centers on rehabilitation and the nursing care of persons with chronic conditions or disabilities. 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 care for adults 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. This course, along with NUR 3531C Psychiatric and Mental Health Nursing Concepts and Practice, replaces NUR 3535C Psychiatric and Rehabilitative Nursing Concepts and Practice.

### **NUR3225: Adult Health II Medical Surgical Nursing Concepts**

**4**

*Prerequisite:* NUR 3128

*Co-requisite:* NUR 3536 and NUR 3235L

*Description:* This course includes information required for the care of adults with acute diseases and conditions. The focus is on the use of the nursing process in collaborative partnership with adults with physical illness or disease. Emphasis is on professional nursing roles and responsibilities in designing, managing, and evaluating care for adults 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.

## **NUR3229: Adult Health I Concepts of Rehabilitation and Chronic Care Nursing** **2**

*Prerequisite:* NUR 3028L and NUR 3065L and NUR 3128 and NUR 3619 and NUR 3619L

*Co-requisite:* NUR 3225 and NUR 3235L and NUR 3816 and NUR 3532

*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 care for adults 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.

## **NUR3235L: Clinical Practicum II** **6**

*Prerequisites:* NUR 3066L, NUR 3128 *Corequisites:* NUR 3255, NUR 3536 This course provides the opportunity to use knowledge and skills in nursing care in a variety of environments of care. The focus is on the use of the nursing process in collaborative partnerships with individuals, families, and communities. The learner will participate in clinical activities as a provider of culturally sensitive, evidence-based nursing care to individuals and families with psychiatric, rehabilitation, and medical-surgical nursing needs. (A laboratory fee of \$15 will be assessed.)

## **NUR3255C: Adult Health II Medical-Surgical Nursing Concepts and Practice** **9**

*Prerequisite:* NUR 3166 and NUR 3128 and NUR 3531C and NUR 3219C

*Co-requisite:* NUR 3167 and NUR 4826

*Description:* This course, NUR 3255C Adult Health II Medical Surgical Nursing Concepts and Practice, includes information required for the care of adults with acute diseases and conditions. The focus is on the use of the nursing process in collaborative partnership with adults with physical illness or disease. Emphasis is on professional nursing roles and responsibilities in designing, managing, and evaluating care for adults 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.

## **NUR3257: Critical Care Nursing** **3**

*Prerequisite:* RN or instructor's permission. This course provides a sound theoretical foundation for the delivery of professional nursing care to critically ill adults. The pathophysiology as well as the clinical management of clients will be emphasized.

## **NUR3531C: Psychiatric and Mental Health Nursing Concepts and Practice** **4**

*Prerequisite:* NUR 3028L and NUR 3065L and NUR 3118L and NUR 3619 and NUR 3825

*Co-requisite:* NUR 3166 and NUR 3128 and NUR 3219C

*Description:* This is the second clinical course for pre-licensure baccalaureate nursing students. This course includes information required for assessment and care that supports the adaptation of individuals with mental illness. The focus is on factors that affect the optimal health and well being of vulnerable individuals, families, and communities. Emphasis is on professional nursing roles and responsibilities in designing and managing care for individuals with psychiatric conditions in a variety of

community and inpatient settings. The learner will participate in clinical activities as a provider of direct and indirect care. This course, along with NUR 3219C Adult Health I Rehabilitation and Chronic Care Nursing Concepts and Practice, replaces NUR 3535C Psychiatric and Rehabilitative Nursing Concepts and Practice.

## **NUR3532: Concepts of Psychiatric and Mental Health Nursing** **2**

*Prerequisite:* NUR 3028L and NUR 3065L and NUR 3128 and NUR 3619 and NUR 3619L

*Co-requisite:* NUR 3225 and NUR 3235L and NUR 3816 and NUR 3229

*Description:* This course includes information required for assessment and care that supports the adaptation of individuals with mental illness. The focus is on factors that affect the optimal health and well being of vulnerable individuals, families, and communities. Emphasis is on professional nursing roles and responsibilities in designing and managing care for individuals with psychiatric conditions in a variety of community and inpatient settings. The learner will participate in clinical activities as a provider of direct and indirect care.

## **NUR3535C: Psychiatric and Rehabilitative Nursing Concepts and Practice** **8**

**PREREQUISITES:** NUR 3118L, NUR 3026L, NUR 3065L; **COREQUISITES:** NUR 3027L, NUR 3128 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 for individuals with psychiatric and chronic conditions in a variety of environments of care. The learner will participate in clinical activities as a provider of direct and indirect culturally sensitive, evidence-based nursing care.

## **NUR3536: Psychiatric and Rehabilitative Nursing** **4**

*Prerequisite:* NUR 3065L, NUR 3128 *Corequisites:* NUR 3235L, NUR 3225 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 for individuals with psychiatric and chronic conditions in a variety of environments of care.

## **NUR3619: Family/Community Assessment** **v. 3- 4**

*Prerequisite:* Admission to the Nursing Program

*Co-requisite:* NUR 3028L and NUR 3065L and NUR 3128 and NUR 3619L

*Description:* his course includes information required for family and community health assessment and nursing practice. Community health nursing is conceptualized within an ecological model that recognizes the influence of personal, social and environmental determinants of health on everyday life. The focus is on working in partnership with families and communities to identify strengths and challenges for health promotion, risk reduction and illness prevention. Particular attention is given to cultural sensitivity and health literacy in community nursing practice.

## **NUR3619L: Clinical Practicum I** **2**

*Prerequisite:* Admission into the Accelerated Option of the Prelicensure Nursing Track. *Corequisites:* NUR 3065L, NUR 3619, NUR 3028L, NUR 3128 This course provides the



opportunity to use knowledge and skills in nursing care in a variety of environments of care. The focus is on the use of the nursing process in collaborative partnerships with individuals, families, and/or communities. The learner will participate in clinical activities as a provider of culturally sensitive, evidence-based nursing care.

### **NUR3816: Professional Nursing Concepts**

**4**

*Prerequisites:* NUR 3065L, NUR 3619, NUR 3619L, NUR 3066L, NUR 3028L

*Corequisites:* NUR 3225, NUR 3235L, NUR 3536 This course includes information on the profession of nursing and introduces the student to the heritage of nursing. The focus is on philosophical, theoretical, and ethical bases of professional nursing practice. Principles of leadership and management are explored. The emphasis is on multi-faceted dimensions of nursing as a vital component of health care.

### **NUR3825: Socialization to Professional Nursing**

**2**

*Prerequisite:* Admission to the nursing program.

*Co-requisite:* NUR 3065L, NUR 3619, NUR 3166, NUR 3026L, and NUR 3118L

*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.

*Course Fees:* \$120.13

### **NUR3949: Experiential Studies in Nursing**

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*Prerequisite:* Acceptance in cooperative education program. Students will participate in supervised work experiences related to their areas of interest. Students may repeat this course for credit, up to a total of six (6) semester hours.

### **NUR4168: Nursing Science III**

**1**

*Prerequisite:* NUR 3167 This course includes information required to begin to bridge the research-practice gap. The focus is on the use of systematic reviews and guidelines for evidence-based practice. Emphasis is on the role of the nurse in creating environments that support evidence-based nursing practice. This is a Pass-Fail course.

### **NUR4351C: Pediatric Nursing Concepts and Practice**

**3**

*Prerequisite:* NUR 3167 and NUR 3255C and NUR 4826

*Co-requisite:* NUR 4827 and NUR 4168 and NUR 4491C

*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.

### **NUR4352: Concepts of Pediatric Nursing**

**1**

*Prerequisite:* NUR 3225 and NUR 3235L and NUR 3816 and NUR 3532 and NUR 3229

*Co-requisite:* NUR 3167 and NUR 4636 and NUR 4466L and NUR 4828 and NUR 4492

*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.

## **NUR4465: Women's Health and Pediatric Nursing**

**2**

*Prerequisite:* NUR 3255. *Corequisite:*NUR 4465 L This course includes information on factors that affect the optimal health and well being of women and children. The focus is on the use of the nursing process in collaborative partnership with women across the lifespan and with children. Emphasis is on professional nursing roles and responsibilities in designing and managing culturally sensitive care for women and children in order to maintain, restore, and optimize their level of functioning.

## **NUR4465C: Women's Health and Pediatric Nursing Concepts/Practice**

**7**

*Prerequisite:* NUR3167, NUR 3255C This course includes information on factors that affect the optimal health and well being of women and children. The focus of this course is the use of the nursing process in collaborative partnership with women across the lifespan and with children. Emphasis is on professional nursing roles and responsibilities in designing and managing culturally sensitive care for women and 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.

## **NUR4466L: Clinical Practicum III**

**4**

*Prerequisites:* NUR 3235 L. *Corequisites:* NUR 4465, NUR 4636, NUR 4828. This course provides the opportunity to use knowledge and skills in nursing care in a variety of environments of care. The focus is on the use of the nursing process in collaborative partnerships with individuals, families, and communities. The learner will participate in clinical activities as a provider of culturally sensitive, evidence-based care to women and children with nursing needs. The learner will also participate in clinical activities as a provider, designer and manager of care with communities and populations. (A laboratory fee of \$15 will be assessed.)

## **NUR4491C: Maternity and Women's Health Nursing Concepts and Practice**

**3**

*Prerequisite:* NUR 3167 and NUR 4826 and NUR 3255C

*Co-requisite:* NUR 4827 and NUR 4168 and NUR 4351C

*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.

## **NUR4492: Concepts of Maternity and Women's Health Nursing**

**1**

*Prerequisite:* NUR 3225 and NUR 3235L and NUR 3816 and NUR 3532 and NUR 3229

*Co-requisite:* NUR 3167 and NUR 4636 and NUR 4466L and NUR 4828 and NUR 4352

*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.

### **NUR4636: Community Partnerships**

**3**

*Prerequisites:* NUR 3225, NUR 3536, NUR 3235L *Co-requisites:* NUR 3167, NUR 4465, NUR 4466L, NUR 4828 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.

### **NUR4636C: Community Partnerships and Nursing Practice**

**5**

*Prerequisite:* NUR 4465C or NUR 3082C; NUR 4827 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. The learner will participate in clinical activities as a provider, designer and manager of care with communities and populations.

### **NUR4636L: Community Nursing Practice**

**2**

*Prerequisite:* NUR 3167, NUR 4826, NUR 4827, NUR 3082, and NUR 3082L  
*Co-requisite:* NUR 4168, NUR 4636, NUR 4945L, and NUR 4945  
*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.

### **NUR4826: Applied Nursing Ethics**

**2**

*Prerequisite/Corequisite:* NUR 3167. RNs:None. This course includes information required for examination of professional values and ethical decision-making in clinical practice. The focus is on values clarification, ethical theory, ethical decision-making models, and professional ethical standards. Emphasis is on ethical obligations of professional nurses in their roles as citizens, members of a profession, providers of care, and designers and managers of care.

### **NUR4827: Leadership and Management in Nursing**

**3**

*Prelicensure Prerequisite:* Prerequisite: NUR 3167. *Pre/Corequisite:* NUR 4826. RNs:None. This course includes information required to understand leadership and management as integral components of the role of the professional nurse in the health care setting. The focus is on leadership and management concepts useful to the individual through the organizational level. Emphasis is on developing collaborative and interpersonal skills essential in the design, delegation, and management of care.

### **NUR4828: Role Transition**

**3**

*Prerequisite:* NUR 3225 and NUR 3235L and NUR 3816 and NUR 3532 and NUR 3229  
*Co-requisite:* NUR 3167 and NUR 4636 and NUR 4466L and NUR 4492 and NUR 4352  
*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. The pre-requisites are: NUR 3225 Adult Health Nursing, NUR 3235L Clinical Practicum II, NUR 3816 Professional Nursing Concepts and NUR 3532 Concepts of Psychiatric and Mental Health Nursing. The co-requisites are: NUR 3167 Nursing Science II, NUR 4636 Community Partnerships, Clinical Practicum III, and NUR 4492 Concepts of Maternity and Women's Health Nursing.

### **NUR4905: Senior Problems**

*Prerequisite:* Senior standing and permission of instructor. Independent study on selected clinical problems. May be repeated for 9 credits.

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### **NUR4917: Honors Research**

Prerequisites: NUR 4165 and admission to the Honors Program in the College of Health. This course provides a vehicle for upper division nursing students to work closely with a faculty member on a research utilization or faculty research project. Students must enroll for 3 hours TOTAL credit over one or more semesters. May be repeated for a total of 9 credits.

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### **NUR4935: Special Topics in Nursing**

Nursing electives on varying topics. May be repeated for a total of 15 credits with a change of course content.

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### **NUR4945: Professional Integration**

*Prerequisite:* NUR 3167, NUR 4826, NUR 4827, NUR 3082, and NUR 3082L

*Co-requisite:* NUR 4168, NUR 4636, NUR 4945L, and NUR 4636L

*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.

**2**

### **NUR4945C: Professional Nursing Integration**

*Prerequisite:* NUR 4827 and NUR 4168 and NUR 4351C and NUR 4491C

*Co-requisite:* NUR 4636C

*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.

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### **NUR4945L: Directed Clinical Study**

*Prerequisite:* Must be taken in the semester in which the student intends to graduate.

During this course the student demonstrates achievement of program objectives while working in partnership with individuals, families, communities and other health care

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professionals. Students use evidence and theories from a variety of disciplines in the provision of culturally sensitive care and the improvement of nursing practice. (A laboratory fee of \$15 will be assessed.)

# Undergraduate Courses

## Public Health

### Course Descriptions:

#### **DIE4940: Nutrition and Diet Field Experience**

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.

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#### **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:* The course will provide a basic introduction to medical terminology and the many terms and acronyms common in usage related to clinical, administrative and regulatory activity within the healthcare field.

**HSA3109: Foundations of Managed Care** **3**

An examination of managed care as it applies to health and hospital services. Basic managed health care concepts will be emphasized.

**HSA3111: Introduction to Health Administration** **3**

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.

**HSA3113: Consumer Issues in Healthcare** **3**

*Description:* This course examines healthcare consumerism and resulting consumer-focused initiatives. Topics covered include online health care resources, the role of special interest groups, consumer advocacy and other related issues.

**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.

**HSA3210: 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.

### **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**

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 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.

### **HSA4941: Long-Term Care Administration Internship**

**9**

*Prerequisite:* HSA 4939, HSC 4563, HSA 3154, GEY 3004, and GEY 3503

*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

### **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.

### **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 Community 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.

### **HSC2400: First Aid and Emergency Care**

**2**

Examination of the emergency care of sports injuries, the recognition of injury mechanisms and the means of injury prevention. Also focuses on emergency first aid in addition to preventive and therapeutic taping.

### **HSC2930: Special Topics**

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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.

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### **HSC3032: Foundations of Community Health**

**3**

*Prerequisite:* PSY 2012 and MAC 1105 and STA 2014 or STA 2023 and CHM 2045 and CHM 2045L and MCB 2010C and BSC 2085C and BSC 2086C

*Co-requisite:* HSC 2100

*Description:* The purpose of this course is to introduce students to the community health profession and to provide a foundation for subsequent major courses. Students will become familiar with the responsibilities and competencies of health educators including: assessing, planning, implementing and evaluating health programs; communicating and advocating for health and health education; and serving as a resource person in health education. Students will also learn to access and critically evaluate health related information, and explore health education ethics, philosophies, and theoretical foundations. Student development and professionalism is emphasized.

### **HSC3304: Instructional Methods in Health Education**

**3**

Prerequisites: HSC 3032, HSC 3713 This course focuses on educating individuals about healthful behaviors and motivating the adoption of a healthy lifestyle in school, community, worksite and other relevant agencies. Methods, techniques and resources used to implement health education programs will be included. The format of this course is an instruction laboratory allowing students to develop, implement and evaluate a variety of methods for delivering health related information to diverse populations.

**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.

**HSC3990: Exp: Health Sciences****v.  
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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: Fitness for Health****3**

*Description:* This course will present concepts and testing skills of physical fitness and health that can be applied in multiple settings. An overview of working with special populations in a fitness setting will be addressed along with general health principles that can be applied to one's client and/or personal health. Differences between physical activity, exercise, and physical fitness will be explored as well as the impact on morbidity and mortality.

**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.

**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.

**HSC4579: Women's Health Issues** **3**

This course will direct students in exploring health concerns specific to women in the context of women's role in society. The course focuses on major threats to women's health, for example, heart disease, osteoporosis, and breast cancer. Students will explore recent research related to these diseases or conditions which impact women's health and identify how they may play a more proactive role in determining their own health.

**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** **3**

## Resources

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.

### HSC4730: Research in Community Health

3

*Prerequisites:* STA 2014 or STA 2023 This course presents basic research skills in community health. Students will interpret and evaluate contemporary health related research reports, peer reviewed professional articles and other relevant research materials. A major component of this course will be the development of a literature review for an approved health topic.

### HSC4800: Community Health Pre-Internship

3

*Prerequisite:* Completion of all program prerequisites PSY 2012, MAC 1105, STA 2014 OR STA 2023, CHEM 2045C, MCB 2010C, BSC 2085C, BSC 2086C

*Description:* This course prepares students for the health education/health promotion profession by preparing them for Certified Health Education Specialist (CHES) certification. Students will revise/create a resume, prepare a professional portfolio, practice interviewing techniques, explore various professional paths and review professional ethics and etiquette. Students will secure internship placement from approved prospective sites and create a detailed work plan. This course must be completed the semester immediately prior to HSC 4814.

*Course Fees:* \$125.46

### HSC4814: Community Health Internship

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9

*Prerequisite:* Completion of all required program courses The community health internship is the final culminating course providing field experience which allows students to apply the knowledge, skills and abilities acquired during their program coursework. This graded practical experience requires students maintain a workload reflective of a professional in a community health setting. This significant learning opportunity for students is also meant to be a time of service and innovation to the supervising agencies. 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.

### HSC4912: Projects

v.  
1-  
3

Development and implementation or participation in conducting a designated project related to health science. Students will work with a faculty person to determine topic

and project.

### **HSC4931: Special Topics**

**3**

A detailed study or 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.

### **HUN2000: Contemporary Nutrition Issues**

**3**

Student will identify basic concepts in nutrition, be introduced to eating patterns in the United States, and discuss the relationship of contemporary food and nutrition to current health issues.

### **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.



# Undergraduate Courses

## Accounting and Finance

### Course Descriptions:

#### **ACG2021: Principles of Financial Accounting** **3**

*Prerequisite:* Sophomore standing 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 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](http://www.unf.edu/coggin) for detailed internship guidelines.

### **ACG4956: Study Abroad in Accounting**

**v.  
1-**

*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

9

### **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, and RMI 4135

*Co-requisite:* RMI 3011 and 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.

### **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.

### **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**

*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

*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

*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.**

*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.

**1-  
3**



# Undergraduate Courses

## Management

### Course Descriptions:

#### **BUL3130: The Legal Environment of Business** **3**

*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.

### **GEB3132: Family Business Management**

**3**

*Prerequisite:* MAN 3025

*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 businesses 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**

*Prerequisite:* MAN 3025 and MAR 3023

*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**

*Prerequisite:* MAN 3025 and MAR 3023 and FIN 3403

*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 and MAR 3023 and FIN 3403

*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.

### **GEB4910: G(W) Honors Research in Business Administration**

**v.  
1-  
3**

*Prerequisite:* Acceptance to the Honors in the Major track in business administration.

*Description:* This course allows students to perform research in an area of interest.

*Availability:* This course is repeatable up to 6 hours.

### **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.

### **MAN2652: Introduction to Global Business**

**3**

*Description:* This course provides an overview of the environment under which global business operates. Emphasis is placed on developing an understanding of the key issues involving: the key environmental factors impacting global business management and operations.

### **MAN3025: Administrative Management**

**3**

*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.

### **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.

### **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.

**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.

**MAN4401: Labor Relations** **3**

*Prerequisite:* MAN 3025

*Description:* This course provides an overview of union-management relations. The topics include: labor history, labor law, union organizing, collective bargaining, impasse procedures, discipline, grievance procedures, fractional bargaining, grievance arbitration, and labor-management cooperation programs. Both line managers and HR specialists need to grasp these subjects, so they can more effectively handle conflicts and foster greater cooperation with regard to handling wages, hours and working conditions.

**MAN4441: Negotiations** **3**

*Prerequisite:* MAN 3025

*Description:* This course is a broad based examination of negotiation and 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 expected.

**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.

**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.

### **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-**

*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

### Course Descriptions:

#### **ECO2000: Economics for Teachers**

**3**

Designed for social studies teachers and teachers of grade K-12. Analysis of the operation of our modern economy, emphasizing the competencies and skill required for teacher certification in Florida and to meet the Sunshine State Standards. The objective of the course is to provide you with a basic understanding of how our economy functions. When you complete the course you will be able to integrate economics into all areas of social studies as well as any other disciplines you may be teaching. We will also look at alternatives to the market as well as the fundamentals of consumer economics. This course cannot be taken by any College of Business Administration majors or by Economics majors in Arts and Sciences.

#### **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.

### **ECO3622: American Economic History**

**3**

Survey of American economic growth and development since 1607. Emphasis on institutional evolution, growth trends, and the determinants of change. Normally offered each spring term.

### **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.

### **ECO4303: History of Economic Thought**

**3**

*Prerequisites:* ECO 2013, ECO 2023 or permission of instructor. Analysis of the origins and development of economic thought, including a study of major economists, the school with which they have been linked, and the social background that influenced economic ideas. Normally offered fall term in even-numbered years.

**ECO4401: Mathematical Economics** **3**

Prerequisites: ECO 2013, ECO 2023, ECO 3411 and one semester of college level calculus The course provides the basic mathematical tools needed to understand the behavior of economic agents and to solve economic problems. The course emphasizes critical thinking and problem solving. The major topics we will cover in this class include one-variable and multivariate calculus, comparative static analysis, constrained and unconstrained optimization, integration, uncertainty, and matrix algebra. The course is delivered mainly through class lectures, problem solving and in-class discussions.

**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.**

*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.

**1-3**

**ECO4933: Special Topics in Economics** **v.**

*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.

**1-3**

**ECO4956: Study Abroad in Economics** **v.**

*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.

**1-9**

**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.

### **ECP1002: Survey in Economic Issues**

**3**

This course provides a general framework for understanding economic behavior. Students will apply basic economic concepts to the analysis of current social and economic issues. Students will develop an economic intuition and understanding of issues such as healthcare, crime, pollution and professional sports.

### **ECP2140: CD - Race and Gender in the American Economy**

**3**

This course examines race and gender issues from an economic perspective. It examines the source of economic inequality from the perspective of three schools of thought -- conservative, liberal and radical. The implications of racial and gender inequality in the areas of education, employment, household production, health care and the decline of America's cities will be discussed. The course is designated a Cultural Diversity course. Normally offered each spring term.

### **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.

### **ECP3403: Economics of Industrial Organizations**

**3**

*Prerequisite:* ECO 2013, ECO 2023. Analysis of the structure, conduct, and performance of business firms. Emphasis on the role of market concentration and entry barriers on pricing and production strategies. Normally offered spring term of odd-numbered years.

### **ECP3451: Law, Economics, and Public Policy**

**3**

This interdisciplinary course deals with the interaction among the areas of law, economics, and public policy. It focuses on the economic effects and content of legal rules and should be of interest to students in business, economics, political science, and international studies.

### **ECP3530: Health Economics and Policy**

**3**

*Prerequisite:* ECO 2023. This course examines issues related to health and the health care sector from an economic perspective. Utilizing microeconomic methods, we study topics such as: demand for health care, behaviors of health care providers (including physicians and hospitals), the pharmaceutical industry, uncertainty and demand for health insurance, managed care, social insurance (including Medicare and Medicaid), and government intervention in the medical care sector.

### **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.

**ECP3703: Managerial Economics 3**

*Prerequisite:* ECO 2023. *Corequisite:* ECO 3411 or MAN 4550 This course analyzes business decision making from an economic perspective. It is normally offered intermittently.

**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.

**ECS3303: Current Issues in the Economics of the European Union 3**

*Prerequisite:* ECO 2013 or ECO 2023 or consent of the instructor. Analysis of the development of the European Union (EU) from its post-WWII inception to the present. The evolution of EU economic, political, and social institutions will be described and analyzed, as will the most pressing current issues confronting the EU.

**ECS3403: Current Issues in the Economy of Latin America 3**

*Prerequisite:* ECO 2013 or ECO 2023 or consent of the instructor. Examination of the current status of the major Latin American economies, including Argentina, Brazil, Chile, and Mexico. The course covers economic development, exchange rates, foreign debt, the status of the region's various trade agreements, and the integration of these economies into the world trading system.

**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.

**GEO2000: Geography for Teachers 3**

This course has been designed specifically for social studies teachers and teachers of grades K-12. It has used the 1997 Florida Department of Education - Changes to Academic Standards for Public Schools - as a guide for the development of materials emphasizing the competencies and skills required for teacher certification in the state. The objectives of this course are to provide the teacher with an understanding of the relationships that have developed between humans and the earth. This course cannot be taken by any Coggin College of Business majors or by Economics Majors in Arts and Sciences.

**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 Individual 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.

**GIS4048: Intermediate Geographic Information Systems** **3**

*Prerequisite:* GIS 3043. 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.

# Undergraduate Courses

## Marketing and Logistics

### Course Descriptions:

#### **MAR2905: Special Topics in Marketing**

*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.

**v.**

**1-**

**3**

#### **MAR3023: Principles of Marketing**

*Prerequisite:* ECO 2013 and ECO 2023; recommended prerequisite: SOP 3004

*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.

**3**

#### **MAR4104: Social and Ethical Issues in Marketing**

*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.

**3**

#### **MAR4156: International Marketing**

*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.

**3**

#### **MAR4206: Marketing Channels: Strategy, Structure, and Management**

*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.

**3**

**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.

**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.

**MAR4461: Purchasing Management** **3**

*Prerequisite:* MAR 3023

*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.

**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 and ECO 3411

*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.

**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: E-Marketing**

**3**

*Prerequisite:* MAR 3023

*Description:* This course encompasses a study of marketing strategies and practices in the cyberspace including an examination of alternative business models, e-marketing, customer characteristics, required marketing knowledge, and enabling technologies. The focus of this course is on the Internet as a medium for communication and a marketing channel. Students will be required to develop an e-marketing strategy and plan for an e-company and a company web site.

### **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.

### **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.**

*Prerequisite:* Permission of the instructor

**1-**

*Description:* This course is a study of special topics not offered in other courses in the department.

**3**

*Repeatability:* This course may be repeated with change of content up to a maximum of 9 credits.

### **MAR4913: Directed Individual Study**

**v.**

*Prerequisite:* Permission of the instructor

**1-**

*Description:* This course is a study of special topics in marketing, particularly topics of local or regional interest under faculty guidance.

**3**

*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.

## **MAR4943: International Marketing Internship**

**v.  
1-  
3**

*Prerequisite:* MAR 4156 and prior approval of an advisor and internship coordinator

*Description:* This course provides significant international business work experience with a cooperating business organization, government, or multinational enterprise. Credit depends on topics and length of internship. Grading is on a pass/fail basis.

## **TRA3035: Foundations of Transportation**

**3**

*Prerequisite:* ECO 2023, ACG 2071, and MAN 3025

*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.

## **TRA4139: Seminar in Purchasing and Materials Management**

**3**

*Prerequisite:* MAR 4461

*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.

## **TRA4155: Supply Chain Management**

**3**

*Prerequisite:* TRA 4202 or TRA 4210

*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.

## **TRA4202: Logistics Systems Management**

**3**

*Prerequisite:* MAR 3023, MAN 3504, and TRA 3035

*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**

*Prerequisite:* MAN 3504 and TRA 3035

*Description:* This course focuses on the components, functions and analysis of the logistics subsystem.

### **TRA4234: Warehouse Management**

**3**

*Prerequisite:* MAR 3023 and MAN 3504 and TRA 3035

*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**

*Prerequisite:* MAN 3025, MAR 3023

*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:* MAR 3023, TRA 3222, and either TRA 4202 or TRA 3035, 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.

### **TRA4956: Study Abroad in Transportation and Logistics**

**v.  
1-  
9**

*Prerequisite:* Permission of the instructor

*Description:* This course allows students to study a country's business practices, with a particular emphasis on transportation and logistics. 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.

# Undergraduate Courses

## Art and Design

### Course Descriptions:

#### **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: The Art and Archeology of Ancient Greece**

**3**

This course considers the art, architecture and archeology of ancient Greece in the context of its culture, history, religion and geography 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.

#### **ARH3211: Early Medieval Art and Architecture**

**3**

This course surveys the art and architecture of late antique and early medieval Europe from Constantine the Great to the year 1000, covering the late Roman, early Byzantine, Merovingian, Hiberno-Saxon, Carolingian, Ottonian, and early Islamic periods. We will devote special emphasis to key historical, cultural, and religious influences on medieval art, including the rise of Christianity and of Islam, the court of Charlemagne, monasticism, and the millennial terrors of the year 1000. We will also consider interpretive questions relating to art and ritual, the survival of pagan imagery, and aniconism in medieval art.

#### **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.

### **ARH3253: Gothic Art and Architecture**

**3**

This course surveys the development of art in Western Europe during the later Middle Ages, from the late 12th through the 15th century. We will consider manuscript illumination, stained glass, sculpture, and the rise and evolution of the Gothic cathedral, with special focus on themes of the droll and the grotesque and on the roles of art in late medieval piety, politics, and everyday life.

### **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.

**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**

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.

**v.  
1-  
3**

### **ARH4710: History of Photography**

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.

**3**

### **ARH4724: Graphic Design History**

This class explores the evolution of graphic design from past to present. Slide lectures present an overview with emphasis on important periods. It examines the relationship between design and the historical influence on contemporary design. Related topics include typography, photography, illustration and technological impact.

**3**

### **ARH4800: Aesthetics of Art**

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.

**3**

### **ARH4801: Art Criticism**

Prerequisites: ARH 2050, ARH 2051, One ARH 3000 or 4000 level. An investigation of selected philosophies of art criticism in the 20th Century. Students will apply methods of analysis and interpretation to the critique of art. Individual ideas will be expressed through writing assignments, group critiques, guest lectures, and visits to art exhibitions. Emphasis will include contemporary art issues.

**3**

### **ARH4905: Directed Individual Study**

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.

**v.  
1-  
6**

### **ARH4910: Senior Research Seminar**

*Prerequisite:* ARH 2050, ARH 2051, ARH 3811, and at least two 3000-4000 level ARH

**3**

courses.

*Description:* As a capstone course, this course is designed to guide students through the original research process resulting in a senior thesis that reflects the maturity of the student's knowledge of Art History and mastery of a specialized topic in the field.

### **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.)

### **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

### **ART2501C: 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.

### **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 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.

### **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.

### **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

### **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.)

### **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.**

May be repeated for a total of 24 credits under different topics. (A material fee of \$35 will be assessed.)

**1-3**

**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**

*Prerequisites:* ART 3504C and ART 3332C. 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. (A material fee of \$25 will be assessed.)

**ART4905: Directed Individual Studies** **v.**

A maximum of 15 credits may be accumulated in directed individual studies. (A material fee of \$15 will be assessed.)

**1-3**

**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.**

A maximum of 15 credits may be accumulated in seminars. (A material fee of \$15 will be assessed.)

**1-3**



### **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

### **GRA2190C: Introduction to Graphic Design**

**3**

*Prerequisites:* ART 1201C, ART 2203C, ART 1300C, ART 2301C, and ART 2605C. The course explores the fundamentals of Graphic Design. Students will develop an understanding of the design principles through class projects. The process of design will be stressed, including research, sketches and computer generated compositions. Students will develop an understanding of the industry and will be exposed to contemporary designers. The course will include various methods of investigation to developing an appreciation of visual communication. (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.)

### **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.)

### **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.)

### **GRA3512C: Corporate Identity**

**3**

*Prerequisites:* GRA 3183C, GRA 2203C This course explores the application of visual identity systems for large and small companies. Comprehensive research on color symbolism, graphic forms, typography and design is examined. The research will be applied to designing identity systems while stressing creative solutions and originality. (A material fee of \$15 will be assessed.)

### **GRA3523C: Introduction to Web Design**

**3**

*Prerequisites:* PGY 1800C, GRA 3880C This studio course focuses on the creative and technical skills necessary for Web design. Students explore techniques used in building graphics for the Web, along with the fundamentals of Web design and HTML. An emphasis is placed on the differences between print and Web design. Interface design, user experience, site management and browser compatibility issues are discussed. Through the use of in-class lectures, demonstrations, and critiques students develop a Web design vocabulary. (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 Planning, Site 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: Senior Status, GRA 4186C Senior Design Studio This course focuses on the development and execution of a graphic design and digital media portfolio. Emphasis will be placed on printed and digital portfolios, including an online format. Topics include creation of personal business packet and self promotional pieces. Interview and job search skills will be discussed and developed. Individual assignments will be given to strengthen and round out each portfolio. (A material fee of \$15 will be assessed.)

### **GRA4423: Business of Graphic Design**

**3**

Prerequisites: Senior Status, GRA 3512C Corporate Identity Through lectures, discussions, and various assignments, students will be exposed to the legal and business issues affecting graphic designers today. Design topics such as freelancing, starting a design firm, pricing, estimating, invoicing and copyright will be examined. Case-studies and role-playing will be used to strengthen professional conduct and introduce best practices. An emphasis will be placed on the designer-client relationship. (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.)

**GRA4586C: Interactive Studio****3**

Prerequisites: GRA 3523C Introduction to Web Design, GRA 3833C Motion Graphics Using industry standard tools, students develop a body of work with an emphasis on interactive animated Web sites and applications. Students are encouraged to explore interactivity through the eyes of the producer as well as the viewer and create a positive user experience. During this course, students will discuss and evaluate design examples to further develop critical thinking skills. Technical considerations such as scripting, online distribution, dynamic content and the integration of sound and video are examined. (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.)

**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: Black and White Photography****3**

Laboratory procedures, methods and materials in the use of the camera; technical darkroom and creative applications for individual expression and commercial potential in photography. A 35mm or 120 roll-type camera is required. (A material fee of \$75 will be assessed.)

**PGY3153C: Color Photography****3**

Prerequisites:PGY 2401C, PGY 3410C, PGY 3801C This course will investigate color photography as a means of expression and form of visual communication. Students will learn the principles of color theory and color management while they refine their digital darkroom skills. Adobe Photoshop will be utilized to achieve the desired technical and aesthetic results. (A material fee of \$75 will be assessed.)

**PGY3276C: Professional Practices****3**

*Prerequisite:* PGY 3410C and PGY 3820C

*Description:* An introduction to practical and professional strategies related to art and business including: documenting, editing, and archiving work; developing a professional website; searching for exhibitions, grants, and other opportunities for photographers; preparing resumes and artist statements; starting a business; and applying to graduate school.

### **PGY3410C: Intermediate Photography**

**3**

*Prerequisites:* PGY 2401C. Advanced techniques in black and white and in color. Assignments in photo illustration and the use of photography as a subjective means of expression and communication; its application as an art form and use in cultural documentation. (A material fee of \$75 will be assessed.)

### **PGY3820C: Digital Imaging Photo Majors**

**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.)

### **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.)

### **PGY4205C: Advanced Lighting Principles**

**3**

*Prerequisites:* PGY 2401C, PGY 3410C, PGY 2110C This course introduces the student to artificial sources of light. These sources are studied and analyzed to enable the student to discern and employ light effectively and creatively through the use of studio lighting and non-studio flash photography. (A material fee of \$75 will be assessed.)

### **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**

*Prerequisites:* PGY 2401C, PGY 3410C, PGY 3801C, 3 credit hours. This course will explore alternative ways of imaging with photographic materials. Emphasis will be on historical and contemporary techniques, as well as on the hand-altered photograph and its potential for artistic expression. (A material fee of \$75 will be assessed.)

### **PGY4476C: Photography Portfolio**

**3**

*Prerequisite:* Senior Status photography students only.

*Description:* Students will produce a cohesive exit portfolio in tangible and web-published form; written thesis; oral presentation to faculty; and collaborate to produce a group exhibition at a local gallery. Critiques and reviews will occur periodically with course instructor and all faculty. Final review of student's work will occur with entire faculty.

*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.

# Undergraduate Courses

## Languages, Literatures, and Cultures

### Course Descriptions:

#### **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.

*Course Fees:* \$10

#### **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.

*Course Fees:* \$10

#### **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.

*Course Fees:* \$10

#### **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.

*Course Fees:* \$10

#### **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.

### **CHT3500: 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.

### **FIL4933: Topics in Foreign Language Cinema**

**3**

*Description:* This course focuses on national cinemas from specific linguistic and geographical regions of the world, for example, North and West Africa, Latin America and Asia. The films will be viewed with English subtitles and the language of instruction in the course is English. The films chosen for the course will reflect cultural, social and historic concerns of the designated region as expressed through cinematic art. The focus of the course may be chronological or thematic.

*Repeatability:* This course may be repeated for up to 6 credits with different topics.

### **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.

Course fees: \$10

**FOL1101: Beginning Foreign Language II** **4**

*Prerequisite:* FOL 1100

*Description:* As the second half of the Beginning Foreign Language sequence, this course continues to prepare 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.

*Course Fees:* \$10

**FOL1950: Beginning Foreign Language Study Abroad** **v.**

*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.

**3-6**

**FOL2952: Intermediate Foreign Language Study Abroad** **v.**

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.

**3-12**

**FOL3930: Special Topics in Foreign Languages** **v.**

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.

**2-4**

**FOL3953: Advanced Foreign Language Study Abroad** **v.**

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.

**3-12**

**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.



Course Fees: \$10

### **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.

Course Fees: \$10

### **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.

Course Fees: \$10

### **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.

Course Fees: \$10

### **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.

**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.

*Course Fees:* \$10

**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.

*Course Fees:* \$10

**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.

*Course Fees:* \$10

**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.

*Course Fees:* \$10

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**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.

**LAS3280: Issues in Modern Brazilian Culture** **3**

*Description:* This course examines issues in modern Brazilian culture, such as incarceration, land reform, violence and race. The focus of this course lies on how Brazilians themselves have attempted to approach these issues through different cultural representations. Texts for the course come from different media, such as literature, film, music and photography. The language of instruction is English.

**LAS3310: Peoples and Cultures of Mexico** **3**

*Description:* This course examines the history, peoples and cultures of Mexico. The language of instruction is English.

**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.

Course Fees: \$10

### **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.

Course Fees: \$10

### **SPN1134: Accelerated Beginning Spanish**

**6**

*Prerequisite:* Two years of high school Spanish, or one year of college Spanish, or as determined by placement test results.

*Description:* This course provides an accelerated introduction to Spanish for those who have had some Spanish but who are not ready for study at the Intermediate level. The course emphasizes practical listening, speaking, reading and writing skills. The material covered is equivalent to the content of SPN 1120-1121. Native and heritage speakers of Spanish may take this course only with the permission of the chair of Languages, Literatures and Cultures.

Course Fees: \$10

### **SPN2030: Medical Spanish**

**3**

*Description:* This course focuses on the development of vocabulary and conversational skills related to health care delivery.

### **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.

Course Fees: \$10

### **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.

Course Fees: \$10

### **SPN3013: Spanish For Business**

**3**

*Prerequisite:* SPN 3300 and SPN 3242 or permission of instructor. This course provides students with the language skills and cultural awareness required to conduct business in Spanish-speaking countries.

### **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: Composition in Spanish**

**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 Speakers of Spanish**

**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 of Spanish**

**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.

### **SPN3500: (FC) Peoples and Cultures of Spain**

**3**

This course examines the history, people and cultures of the different regions of Spain. The language of instruction is English.

### **SPN3501: Hispanic Culture**

**3**

*Prerequisite:* SPN 3242 and SPN 3300, or SPN 3350, or permission of the instructor or the department chair.

*Description:* This course examines topics and issues pertaining to Spain, Latin America, and/or U.S. Latinos. The course will be taught entirely in Spanish so that students develop a better understanding of the intrinsic relationship between language

and culture.

*Repeatability:* This course may be repeated once for credit with a change in subject matter.

### **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.

### **SPN4410: Advanced Spanish Conversation** **3**

*Prerequisite:* SPN 3242 and SPN 3300 or permission of the instructor or the department chair.

*Description:* This course promotes the development of advanced skills in conversation and comprehension with emphasis on normative aspects of spoken Spanish, and will include conversation on directed topics. Native and heritage speakers of Spanish may take this course only with the permission of the chair of Languages, Literatures and Cultures.

### **SPN4541: Advanced Studies in Hispanic Culture** **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: Interpreting Hispanic Literature** **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.

### **SPW3100: Spanish Literature from the Middle Ages to the 18th Century** **3**

*Prerequisite:* SPW 3030

*Description:* This course examines the development of Spanish literature from Middle Ages to the eighteenth century through a variety of readings and written and oral activities. Topics to be considered will include, but are not limited to, multiculturalism in Medieval Spain, the age of territorial expansion, the Church in early Spain, the Counter Reformation, the Baroque period, the development of Spanish theater and the Spanish Enlightenment.

### **SPW3101: Spanish Literature from the 19th to the 21st Century** **3**

*Prerequisite:* SPW 3030

*Description:* This course examines the development of Spanish literature from the nineteenth to the twenty-first century through a variety of readings and written and oral activities. Topics to be considered will include, but are not limited to, Romanticism and the advent of liberalism, realism and the modern novel, the 1898 debacle and Spanish consciousness, the Spanish Civil War, post-Franco Spain, multiculturalism in contemporary Spain and the role of women in modern Spanish society.

### **SPW3130: Spanish American Literature to Modernismo** **3**

*Prerequisite:* SPW 3030

*Description:* This course examines the development of Spanish American literature from the fifteenth century to the late nineteenth century through a variety of readings and written and oral activities. The course also encompasses brief consideration of indigenous pre-Colombian literature translated into Spanish. Topics to be considered will include, but are not limited to, indigenous civilizations, the conquest, mestizaje, slavery, independence, nation-building and the evolution of Spanish American aesthetics.

### **SPW3131: Spanish American Literature from Modernismo to the Present** **3**

*Prerequisite:* SPW 3030

*Description:* This course examines the development of Spanish American literature from the late nineteenth century to the present through a variety of readings and written and oral activities. Topics to be considered will include, but are not limited to, indigenous and Afro-Caribbean cultures, globalization, borderlands, ideology and revolution, Spanish American poetics, the literature of the so-called "Boom" and the evolution of Spanish American theater.

### **SPW4394: Ibero-American Film** **3**

*Prerequisite:* SPW 3030

*Description:* This course examines the development of cinema in Latin American and/or Spain. The geographic focus will depend on the instructor's area of specialization. Films will be studied in relation to the sociopolitical context, and emphasis will be placed on close analysis as well as contextual understanding of the material.

*Repeatability:* This course may be repeated once for a total of 6 credits with a change



in subject matter.

### **SPW4930: Advanced Studies in Hispanic Literature**

**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.

# Undergraduate Courses

## Arts and Sciences

### Course Descriptions:

**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: Experiential Studies in Liberal Arts** **v.  
0-  
3**

*Prerequisite:* Acceptance in cooperative education program. Students will participate in supervised work experiences related to their areas of interest. Students may repeat this course for credit, up to a total of six (6) semester hours.

**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.

# Undergraduate Courses

## Mathematics and Statistics

### Course Descriptions:

#### **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).

#### **MAC1105: (GM) College Algebra**

**3**

*Prerequisite:* Intermediate Algebra. Topics will include linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms. Students may not receive credit for this course and MAC 1101 (Intensive College Algebra) or MAC 1147 (Precalculus).

#### **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.

**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.

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**MAD4203: Combinatorics** **3**

Prerequisites: MAD 3107, MHF 3202, 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, MHF 3202, 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.

**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.

**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.

### **MAS4932: Capstone Experience in Mathematics**

**3**

*Prerequisite:* Senior standing and permission of the Department

*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.**

*Prerequisite:* Permission of the department.

**1-**

*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.

**3**

### **MAT4906: Directed Individual Studies**

**v.**

*Description:* This course may be repeated for a total of 12 credits with permission of the department.

**1-**

**3**

### **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.

### **MAT4937: Seminars**

**v.**

*Prerequisite:* Permission of the department. **1-3**  
*Description:* This course may be repeated for a total of 12 credits with permission of the department. **3**

**MGF1106: (GM) Finite Mathematics **3****

*Prerequisite:* Intermediate Algebra. Topics will be selected from: linear equations and inequalities; linear programming, matrices and systems of linear equations; combinatorics and elementary probability; game theory with applications; logic; mathematics of finance.

**MGF1107: (GM) Explorations in Mathematics **3****

*Prerequisite:* Intermediate Algebra. This course is an introduction to important and interesting ideas in mathematics. These ideas are designed to promote an appreciation of the subject. Topics may include Number 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 **3****

*Prerequisite:* MAC 2312. 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 4321 or STA 2014. 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**

*Prerequisite:* Variable.

*Description:* This course may be repeated for a total of 12 credits with permission of the department.

**v.**  
**1-**  
**3**

**STA4930: Special Topics in Statistics**

*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.

**v.**  
**1-**  
**3**

**STA4935: Seminar in Statistics**

*Prerequisite:* Permission of the department.

*Description:* This course may be repeated for a total of 12 credits with permission of the department.

**v.**  
**1-**  
**3**

**STA4945: Capstone Experience in Statistics**

*Prerequisite:* Senior standing and permission of the Department

*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.

**3**

# Undergraduate Courses

## Biology

### Course Descriptions:

#### **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

*Co-requisite:* BCH 4024

*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.)

**BSC1005C: Principles in Biology****4**

This course is designed to introduce students to the science life. This survey will cover topics ranging 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, provide an opportunity for students to work in the laboratory, as well as introduce the majors areas of study within the discipline.(A laboratory fee of \$51.93 will be assessed.)

**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.

**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:* Students must receive a "B" grade or higher in BSC 1010C (General Biology I) for all majors except Biology and Physical Education. 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 laboratory fee of \$51.93 will be assessed.)

**BSC2086C: Human Anatomy and Physiology II****4**

*Prerequisite:* BSC 2085C. Students must receive a "B" grade or higher in BSC 2085C (Human Anatomy & Physiology I) for all majors except Biology and Physical Education.

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 laboratory fee of \$51.93 will be assessed.)

### **BSC2930: Selected Topics - Biology**

*Prerequisite:* Permission of instructor. Variable topics in biology appropriate for students in their freshman or sophomore years.

**v.  
2-  
4**

### **BSC3052: Conservation Biology**

*Prerequisite:* BSC 1010C, BSC 1011C, BSC 2012C. This course will investigate the major causes responsible for declining global biodiversity and its implications.

**3**

### **BSC3053: Health Effects of Environmental Pollutants**

*Prerequisites:* BSC 1010C, BSC 1011C, BSC 2012C. This course is about the environment, specifically about the substances called pollutants and how they affect the living organisms on this planet. This course will examine the major groups of pollutants in terms of their sources, levels in the environment and their actual effect on living systems. Three hours lecture.

**3**

### **BSC3057: Introduction to Environmental Studies**

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.)

**3**

### **BSC3263: Marine Biology**

*Prerequisites:* BSC 1010C, BSC 1011C, BSC 2020C. 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.

**3**

### **BSC3943: Internship in Applied Biology**

*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.

**v.  
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### **BSC4022: Biology of Aging**

*Prerequisite:* PCB 4713C

*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

**3**

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.

### **BSC4842: Senior Seminar Preparation**

**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.

### **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.  
1-  
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.

### **BSC4947: Senior Seminar Practicum**

**1**

Prerequisites: BSC 4842 and permission of instructor Senior Seminar Practicum is the successional course to Senior Seminar Preparation. In this course students will present

their topics of independent research (field, laboratory or library based) in a written and 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.

**IHS3203: Management and Leadership in Health Care Organizations** **2**

*Description:* This course will focus on the interdisciplinary analysis of leadership and management concepts, managerial skills and techniques, fiscal responsibility, human resource development, outcomes assessment, building strategic alliances in changing environments, and organizational ethics.

**IHS4938: Senior Seminar for Medical Lab Sciences** **1**

*Description:* This course will synthesize career and life experiences across disciplines, via exploration of interdisciplinary issues and civic projects.

**MCB2010C: Microbiology** **4**

*Prerequisites:* BSC 1010C and CHM 2045C. Students must receive a "B" grade or higher in BSC 1010C (General Biology I) for all majors except Biology. The spectrum of the microbial world with emphasis on cell structure, reproduction, and physiology. Three hours lecture, four hours laboratory. (A laboratory of \$51.93 will be assessed.)

**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.

**MCB4603C: Microbial Ecology** **4**

Prerequisites: BSC 1011C, PCB 3063C This course will explore the ecological and evolutionary roles of microbes in a variety of ecosystems. We will discuss the diversity of microbes in natural settings and how different evolutionary lineages have adapted to their specialized roles. To that end, we will discuss microbial colonization, recruitment, succession and senescence, and how different communities and guilds respond to changes in their environment. (A laboratory fee of \$51.93 will be assessed.)

**MLS3038: Essentials of Medical Laboratory Science** **1**

*Description:* This course will introduce students to the principles and practices of Medical Laboratory Science. Topics will include safety, phlebotomy, automation, laboratory mathematics, laboratory information systems, quality assurance, management, education, ethics, professional roles, accreditation, and regulation.

**MLS3220: Biological Fluid Analysis** **2**

*Description:* This course introduces students to the theory and practices underlying the laboratory analysis of various biological fluids. Students study microscopic and physiochemical testing and correlate laboratory and clinical data to health and disease.

**MLS4191: Molecular Diagnostics** **2**

*Description:* This course will provide an overview of nucleic acid structure, gene expression, and genetic disease. Proper collection and processing of blood, bone marrow, and body fluids for molecular testing will be covered. Fundamentals of DNA and RNA isolation, amplification, hybridization, and analysis will also be discussed.

**MLS4308C: Hematology and Hemostasis** **4**

*Description:* This course will focus on the study of human blood ontogeny, kinetics, and pathophysiology. Theory and application of analytical techniques used to diagnose and monitor hematological disease and disorders of hemostasis will be emphasized.

**MLS4460C: Diagnostic Bacteriology** **4**

*Description:* This course will provide an advanced comprehensive study of bacteria that influence human health and disease. The identification, diagnosis, microbial attributes, mechanisms that facilitate infectious disease, and treatment will be emphasized.



**MLS4462: Diagnostic Virology, Mycology and Parasitology** **3**

*Description:* This course will focus on the study of viruses, fungi, and parasites that influence human health and disease. The identification, diagnosis, microbial attributes, mechanisms that facilitate infectious disease, and treatment will be emphasized.

**MLS4505: Clinical Immunology** **3**

*Description:* This course integrates basic and clinical immunology featuring clinical presentation, immunopathological features, diagnosis, and treatment of immunologically related diseases. In addition, diagnostic techniques and procedures utilized in a clinical immunology laboratory will be covered.

**MLS4550C: Immunoematology and Transfusion** **4**

*Description:* This course integrates theoretical concepts and applications related to blood donation process, transfusion therapy, and blood group system biochemistry, genetics, and serology.

**MLS4627: Clinical Biochemistry** **3**

*Description:* This course will focus on the relationship and application of biochemistry to the diagnosis, prognosis, and treatment of human disease. The theoretical principles and study of techniques for proteins, enzymes, carbohydrates, lipids, electrolytes, nitrogen metabolites, inborn errors of metabolism, and toxicology will be emphasized.

**MLS4820: Clinical Biochemistry Practicum** **5**

*Description:* The focus of this course will be on the advanced practical experience in a clinical chemistry laboratory. The emphasis will be on chemistry instrumentation, immunochemical analysis, electrophoresis, blood gases, and toxicology.

**MLS4821: Clinical Microbiology Practicum** **5**

*Description:* This course will focus on the advanced practical experience in a clinical microbiology laboratory utilizing diagnostic techniques in the identification of pathogenic bacteria, viruses, parasites, and fungi.

**MLS4822: Clinical Hematology Practicum** **5**

*Description:* This course will provide an advanced practical experience in a clinical hematology/ hemostasis laboratory including performance of diagnostic procedures and application of knowledge with emphasis on clinical correlation.

**MLS4823: Clinical Immunoematology Practicum** **4**

*Description:* This course will provide an advanced practical experience in a clinical immunoematology laboratory with perfusion service including compatibility testing, blood transfusion procedures, and antibody detection and identification.

**MLS4826: Clinical Immunology Practicum** **2**

*Description:* This course will focus on the advanced practical experience in a clinical immunology laboratory including diagnostic serological techniques with emphasis on clinical correlation of infectious diseases.

**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.

**OCE4930: Special Topics in Marine Science** **v.**

Topics will vary from time to time but may include estuarine biology, marine chemistry and mariculture.

**2-4**

**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.)

**PCB3063C: Genetics** **4**

*Prerequisites:* BSC 1010C, BSC 1011C, BSC 2012C, CHM 2210 Principles of classical and molecular genetics revealed by studies on nuclear and extranuclear inheritance. Three hours lecture, four hours laboratory. (A laboratory fee of \$51.93 will be assessed.)

**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, PCB 3063C. 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.)

**PCB4674: Evolution** **3**

*PREREQS:* PCB 3043C, PCB 3063C or permission of the instructor. 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: Physiology** **4**

*Prerequisites:* PCB 3023C, PHY 2054, and PHY 2054L This course focuses on the functional activities and interactions of cells, tissues and organs, with emphasis on respiration, excitation, transport phenomena, and control mechanisms. 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. (A laboratory fee of \$51.93 will be assessed.)

**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.)

## **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.

### **ZOO4485L: Biology of Marine Mammals Laboratory**

**1**

Prerequisites: BSC 2012C and PCB 3043C

*Co-requisite:* ZOO 4485 This course is designed to provide students with hands on experience in techniques used to study marine mammal biology. Selected topics will include taxonomy, anatomy, physiology, behavior, ecology, conservation and management of marine mammals. (A laboratory fee of \$51.93 will be assessed.)

### **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.

### **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.)

### **ZOO4753C: Histology**

**4**

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C This course focuses on the structure and function of cells, tissues and organs. Students will learn to identify all major cell types and their functions in the human body. Lecture material will be integrated in the lab through histological diagnostics at the light microscope and preparation of microscope slides. The laboratory involves experimentation with living animals and/or dissection of preserved animals. The course includes three hours of lecture and four hours of laboratory. (A laboratory fee of \$51.93 will be assessed.)

### **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.)



# Undergraduate Courses

## Military Science

### Course Descriptions:

#### **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.**

*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.

**1-3**

### **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

## Chemistry

### Course Descriptions:

#### **BCH3023C: Bioorganic Chemistry**

**4**

*Prerequisite:* CHM 1025C. The carbon chemistry of biological substances, the structure and function of biological molecules and elementary metabolism. (Cannot be used by natural science majors to satisfy degree requirements). Three hours lecture, three hours laboratory. (A laboratory fee of \$59 will be assessed.)

#### **BCH4033: Biochemistry**

**3**

*Prerequisite:* CHM 3120C, CHM 2211, CHM 2211L. This course introduces students to catabolic, anabolic and energetic processes in living systems. Emphasis is on the relationships between the molecular structure and the interactions of biological molecules. Three hours lecture.

#### **BCH4033L: Biochemistry Lab**

**1**

*Corequisite:* BCH 4033. This laboratory course is an introduction to biochemical properties of biological systems, basic biochemistry/molecular biology procedures. Four hours laboratory. (A laboratory fee of \$59 will be assessed.)

#### **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.

#### **CHM1020: Chemistry for Liberal Studies**

**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.

**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, CHM 1025L or high school chemistry with a B or better, MAC 1105

*Co-requisite:* CHM 2045L The course covers stoichiometry, atomic structure, chemical bonding, acids and bases, solutions and their properties, and descriptive chemistry of selected elements.

**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 covers the chemistry of gases, liquid, solids, thermodynamics, electrochemistry, aqueous equilibria, and reaction rates.

**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.)

### **CHM2930: Selected Topics in Chemistry**

**v.  
2-  
4**

*Prerequisite:* Permission of instructor. Variable topics in chemistry appropriate for students in their freshman or sophomore years.

### **CHM3120C: Quantitative Analytical Chemistry**

**4**

*Note:* Students are required to bring a combination lock to class on the first day of lab. *Prerequisite:* s are required to bring a combination lock to class on the first day of lab. *Prerequisite:* CHM 2046C or equivalent. Principles and practice of quantitative analysis with emphasis on gravimetric and titrimetric methods. Three hours lecture, three hours laboratory. (A laboratory fee of \$59 will be assessed.)

### **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 3120C The Inorganic Chemistry 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.)

**CHM4130C: Modern Analytical Chemistry** **4**

Prerequisites: CHM 4411C. This course emphasizes instrumental methods of analytical investigation including atomic absorption spectroscopy, potentiometry, electrogravimetry, nuclear magnetic resonance spectroscopy, gas chromatography/mass spectrometry and high performance liquid chromatography. Three hours lecture, three hours of scheduled laboratory, additional unscheduled laboratory work required. (A laboratory fee of \$59 will be assessed.)

**CHM4410C: Physical Chemistry I** **4**

Prerequisites: CHM 2046C or equivalent, PHY 2054/PHY 2054L or PHY 2049/PHY 2049L (calculus-based physics required for chemistry majors), MAC 2312. Energetics and chemical affinity; states of matter and changes of state; solutions. Three hours lecture, three hours laboratory. (A laboratory fee of \$59 will be assessed.)

**CHM4411C: Physical Chemistry II** **4**

*Prerequisite:* CHM 4410C. Reaction rates; interfaces; the chemical bond; photochemistry. Three hours lecture, three hours laboratory. (A laboratory fee of \$59 will be assessed.)

**CHM4473: Introduction to Quantum Chemistry** **3**

*Prerequisite:* CHM 4411C. The application of Schrodinger's equation to the problems of atomic structure and chemical bonding. Three hours lecture.

**CHM4612: Advanced Inorganic Chemistry** **3**

Prerequisites: CHM 3610, CHM 4410C 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 4410C 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.**

*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.)

**2-4**

**CHM4930: Selected Topics in Chemistry** **v.**

*Prerequisite:* Permission of instructor. Variable topics as related to recent advances in chemistry. May be repeated for a total of 12 credits.

1-  
4

### **CHM4931: Senior Seminar in Chemistry**

1

*Prerequisite:* CHM 4410C 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.

### **CHM4970: G(W) Honors Research**

v.  
1-  
6

*Prerequisites:* Admission to the Honors in the Major track in chemistry and CHM 4910. The course provides a vehicle for students to work closely with a sponsoring faculty member on an individually supervised research project. The student will prepare an Honors thesis, which will be presented at a departmental seminar. Students must enroll for six hours total, which will usually be spread over two 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

## Music

### Course Descriptions:

#### **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.

**MUE2440: String Techniques** 1

String Techniques is designed to prepare instrumental music majors to teach string instruments in secondary schools. The course will cover all aspects of string instruction and performance including analysis and diagnosis of performance problems, fingering systems, method books and instructional aids and materials.

**MUE2450: Woodwind Techniques** 1

Woodwind techniques 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, flute, saxophone, oboe and bassoon. All aspects of woodwind instruction will be covered, including method book selection, teaching techniques, instruction aids and materials.

**MUE2460: Brasswind Techniques** 1

Brasswind techniques is designed to prepare instrumental music majors to teach brass instruments in secondary schools. The course will cover all aspects of brass instruction and performance including analysis and diagnosis of performance problems, fingering systems, method books and instructional aids and materials. Students will be expected to demonstrate basic performance proficiency on trumpet, horn, trombone, and tuba.

**MUE2470: Percussion Techniques** 1

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.

**MUE3332: Instrumental Materials Practicum** 2

*Prerequisite:* MUG 3104. This is a comprehensive course that emphasizes effective score reading and rehearsal techniques of instrumental ensembles.

**MUE3480: Marching Band Techniques** 1

*Prerequisite:* Junior standing. 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. It is required of all music education majors.

**MUE3491: Choral Materials Practicum** **2**

*Prerequisite:* MUG 3104. This course centers on secondary school choral programs. All forms of choral music will be examined and conducted. Varied literature for high school choirs will be studied and discussed.

**MUE3944: Music Education Field Laboratory** **2**

Continuation of supervised, structured field experiences (5 hours per week for ten consecutive weeks) in selected schools designed to assist in the acquisition of generic teaching competencies required by Florida State Board of Education Rules. Weekly seminars (1 1/2 hours for 16 weeks) for music education majors only.

**MUE4311: Music Education in Elementary Schools: The Organization and Teaching of General Music** **3**

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-6. This course is offered in the spring term in even numbered years.

**MUE4330: Music Education in Secondary Schools: The Organization and Teaching of General, Choral, and Instrumental Music** **3**

*Prerequisites:* MUE 4311, MUG 3104. The role of music in junior and senior high school adolescents education; techniques for planning, teaching, and evaluating instruction; study of music appropriate to musical organizations; and general music instruction. Offered fall term in odd numbered years.

**MUE4940: Internship in Music Education** **12**

*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.

**MUG3302: Advanced Instrumental Conducting** **v.**

*Prerequisites:* Successful completion of Theory II (MUT 1112) and Basic Conducting (MUG 3101). This course will engage in an intensive study of the art of conducting, score preparation/analysis, and rehearsal techniques. Maybe repeated for up to 4 credit hours.

**1-2**

**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.

**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.

**MUH4371: (GW)Topics in 20th Century Music History** **3**

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. Gordon Rule additional writing credit.

**MUH4633: (GW)Topics in American Music** **3**

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. Gordon Rule additional writing credit.

**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.

### **MUL4451C: Wind and Percussion Literature** 3

This course will examine and evaluate as much of the solo wind and percussion literature as possible, including music from all available styles and periods. Emphasis will be on the student's major instrument. A natural by product of this study will include knowledge of those reference books, which evaluate or list solos by difficulty level, texts, and information sources. The course activities are intended to cause the students to be more knowledgeable of the wind and percussion literature, and to increase the ability to discriminate between compositions of value and those of marginal quality.

### **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.

### **MUL4602: Vocal Literature** 2

The course will examine the standard vocal repertory from early Italian songs through contemporary vocal compositions. Also included will be study of French song literature,

German lieder and operatic repertory.

**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.

**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.

**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 1620 and MUM 2677

*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.

**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.

### **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.

### **MUM4613: Music Studio Recording Techniques**

**3**

This is an elective course open to all majors which provides an overview of the recording studio workspace and techniques. Topics discussed include basic studio electronics and acoustic principles, microphone design and placement techniques, and studio set up and signal flow. Other topics include recording console theory, signal processing concepts, tape machine principles and operation, and an overview of sound mixing and editing. This course will utilize industry standard digital audio software and workstations. (A material fee of \$35 will be assessed.)

### **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.

### **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.

### **MUN2012: Instrumental Ensemble**

**1**

*Prerequisite:* Consent of instructor. The class will study and perform compositions for various instrumental combinations.(A material fee of \$35 will be assessed.)

### **MUN2120: Concert Band (Lower)**

**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**

**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.)

### **MUN2310: UNF Chorale (Lower)**

**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**

**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** 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.)

**MUN3123: Concert Band (Upper)** 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** 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** 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)** 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: UNF Women's Chorale** 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** 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** 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** 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 repertory. 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** 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 repertory 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** 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 repertory. 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** 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** 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.)

**MUN3422: Clarinet Trio Ensemble** 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**

**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**

**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**

**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**

**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**

**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** 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** 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** 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** 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** 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** 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

Prerequisiste: 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**

**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**

**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)**

**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.)

### **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 Workshop**

**1**

*Prerequisite:* Consent of instructor. Rehearsal and production of scenes and complete operatic works. Three hours per week. May be repeated for credit up to 4 times. (A material fee of \$35 will be assessed.)

### **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.

**MUS2930: Special Topics** v.

1-

*Description:* Upon registering for this course, the student must be enrolled in an Applied Music course and a large ensemble.

3

*Repeatability:* This course may be repeated for up to 8 credit hours.

**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.)

**MUS3630C: The Electronic Music Studio** 1

*Prerequisite:* Successful completion of MVK 2122. This course will present topics related to music composition with a computer. Emphasis will be placed on the completion of original music works that employ various methods of sound synthesis, drum programming, usage of loops and samples, and MIDI. Students will use software production tools for the completion of these works.(A material fee of \$35 will be assessed.)

**MUS3930: Special Topics in Music** v.

May be repeated up to 30 credits.

1-

3

**MUS3931: Eminent Scholars Seminar** v.

May be repeated up to 10 credits.

1-

3

**MUS4905: Directed Individual Studies** v.

A maximum of 15 credits may be accumulated in directed individual studies.

1-

3

**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 IIIm7-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:* Two years of college theory. Analysis of musical forms in western music.

**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.

**MUT4311: Orchestration** **3**

*Prerequisite:* Two years of college music theory. 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:* Two years of college music theory. 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:* Two years of college music theory. 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, tritone 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.

### **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.

**MVK1622: Piano Pedagogy II** **2**

*Prerequisite:* MVK 1621

*Description:* This course is a continuation of the study of concepts necessary for successful private teaching at the elementary level, which includes an examination of current method books with music theory, technique, recital repertoire, and supplemental material appropriate for various age levels of mid to late beginning piano students. Instruction includes: (1) strategies for prevention of common problems associated with students in the first two years of study; (2) directives for the development of musicality through creative activities and musicianship classes; (3) the use of digital pianos and technological advances for teaching piano; and (4) a continuation of class presentations and projects on topics presented in the text.

**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.

**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.

**MVK3604: Pedagogy of Group Piano II** **2**

*Prerequisite:* MVK 1621, MVK 1622, MVK 3603, MVK 2624, MVK 2626

*Description:* This course is a continuation of Pedagogy of Group Piano I and is designed to prepare future piano teachers in the area of group teaching. Pedagogy students will focus on the pre-college student, adult study, and college courses. The survey continues of methods and materials, including ensemble music which is appropriate for group piano teaching. An emphasis will be placed on technical instruction and creative activities in the group teaching environment. Observations of UNF Class Piano will lead to practice teaching of lessons.

**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.

### **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**

**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.

**MVK4803: Group Piano for Non-Majors** **1**

*Description:* This course is designed for students with two years or less of piano playing experience. Topics of study will include the fundamentals of reading music, playing by ear, using chord charts, and improving finger flexibility. Instruction for this course will take place in a state-of-the-art digital piano lab.

*Course Fees:* \$35

**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.

**MVO4640: Wind and Percussion Pedagogy** **3**

*Description:* This course will provide students with pedagogical knowledge of private wind and percussion instrument teaching including student motivation, tone production, technique, articulations, transpositions, and a survey of literature. Observations of lessons are included.

**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** **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.

**MVP3331: Applied Percussion** **2**

*Prerequisite:* Consent of instructor. Individual instruction in applied percussion. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

**MVP4341: Applied Percussion** **2**

*Prerequisite:* Consent of instructor. Individual instruction in percussion. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8

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.

**MVS1315: Applied Harp I** **2**

Individual applied instruction in harp performance. 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.

**MVS2325: Applied Harp II** **2**

*Prerequisite:* MVS 1315 or permission of instructor. Individual applied instruction in harp performance. 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.

**MVS3335: Applied Harp III** **2**

*Prerequisite:* MVS 2325 or permission of the instructor. Individual applied instruction in harp performance. 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.

**MVS4345: Applied Harp IV** **2**

*Prerequisite:* MVS 3335 or permission of the instructor. Individual applied instruction in harp performance. Private lesson and performance laboratory weekly. May be repeated for a total of 4 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.

### **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.

*Course Fees:* \$350

### **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.

*Course Fees:* \$350

**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.

*Course Fees:* \$350

**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.

*Course Fees:* \$350

**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.

*Course Fees:* \$430

**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

## Childhood Education, Literacy and TESOL

### Course Descriptions:

#### **EDG3324: Methods of Conceptual Teaching**

**3**

This course is designed to familiarize students with key aspects of conceptual teaching and learning. Concepts from several areas of the elementary curriculum will be used as the contextual backdrop. Other courses in the Elementary Education Program will build on the methodology advocated in this course.

#### **EDG4373: Visual Art and Music Methods for Elementary Teachers**

**3**

*Prerequisite:* EDF 4444 This integrated-arts course for preservice elementary teachers examines roles of the arts, as well as techniques of visual art and music. Students develop and reflect on their arts skills as well as prepare for instruction in arts with children, through planning for and development of arts curriculum. Students also learn functions of art criticism and arts-based research.

#### **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 for Infants and Toddlers**

**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**

**2**

*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: 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.

**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 Early Literacy Development** **3**

*Prerequisite:* LAE 3210 and EEC 4213. Students will learn formal and informal strategies related to planning literacy instruction. Students select and implement tools and procedures, interpret and apply findings.

**EEC4210: Teaching Math and Science in Early Childhood Settings** **6**

*Prerequisite:* EEC 4260

*Description:* This course focuses on the acquisition of knowledge and skills to design and implement appropriate curriculum and instruction for young children learning mathematics and science. Candidates explore concepts, create learning experiences, and work with children from diverse backgrounds.

**EEC4213: Teaching Beginning Reading and Writing** **6**

*Prerequisite:* LAE 3210. An integrated methods course for Language Arts, Reading and Literature for students in the Pre-K/Primary program. Includes strategies for designing integrated environments, and the relationships of language, literature and reading.

**EEC4244: Integrating Social Studies, Art, and Music Across the Curriculum** **6**

*Prerequisite:* EEC 4260

*Description:* This course provides an overview of principles of teaching social studies, art, and music and ways to integrate them into and across the curriculum. Candidates enrolled in this course will explore methods for assessing content in a manner that builds students' awareness of self, others, and the world in order to encourage critical and creative thinking, effective citizenship, and civic engagement.

**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.

**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**

This is the first of three literacy courses in the Elementary Education Program. It forms the basis for understanding language development, theories of language, and the issues and experience important to the development of literacy. This course must be taken prior to the second literacy course.

**LAE3211: Methods and Resources for Literacy Development** **6**

*Prerequisite:* Foundations of Literacy LAE 3210. This is the second of three literacy courses in the Elementary Education program. It expands upon the concepts learned in Foundations of Literacy and applies them for teaching applications.

**LAE4312: Measurement, Evaluation & Planning for Literacy Development** **3**

*Prerequisite:* LAE 3211. This is the third literacy course in the elementary program. It follows courses in the foundations of literacy development and methods and resources 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 implementation of an appropriate instructional program based on such an evaluation.

**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.

**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.

**SCE3310: Science Methods for Elementary Teachers** **3**

*Prerequisite:* MAE 3312. Methods and resources for teaching science in the elementary school.

**SSE3313: Social Studies Methods for Elementary Teachers** **4**

This course examines standards, issues, and methods related to the teaching of social studies in the elementary school. It includes and emphasis on culture and the arts as ways of knowing and learning about social studies.

**TSL3080: Principles and Issues in TESOL** **3**

*Prerequisite:* As prescribed by program of study. This course covers issues basic to understanding legal and social imperatives in teaching English language learners in K-

12 settings as well as theories and principles of second language acquisition.

**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 20-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.

*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.

# Undergraduate Courses

## Philosophy and Religious Studies

### Course Descriptions:

#### **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.

#### **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: 19th Century Philosophy**

**3**

*Prerequisite:* One course in philosophy other than a foreign culture. 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.

#### **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.

### **PHH3860: (FC) Japanese Philosophy through Culture**

**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**

*Prerequisite:* One course in Philosophy other than Foreign Culture. 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**

*Prerequisite:* PHH 3400, PHH 3500, or one course in philosophy other than foreign culture.

*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**

*Prerequisite:* One course in philosophy other than foreign culture. 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.

**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) Reasoning and Critical Thinking** **3**

Principles of sound reasoning, language analysis and definition, the logic of classes and propositions and discussions of philosophical issues. Gordon Rule Additional Writing credit.

**PHI2630: (GW) Contemporary Ethical Issues** **3**

An attempt to provide the student with a theoretical framework to approach the great moral issues of our time. Gordon Rule Additional Writing credit.

**PHI2930: Selected Topics: Philosophical Inquiry** **v.**

Selected topics in philosophy.

**1-4**

**PHI3130: (GM) Symbolic Logic** **3**

Truth table and natural deduction approaches to modern logic. Propositional calculus, predicate calculus, logic of relations, identity and definite descriptions.

**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?

**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.

### **PHI3641: Business Ethics**

**3**

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.

### **PHI3643: Ethics and Literature**

**3**

This course explores the ways in which ethical theory and literature inform one another. We will consider how ethical perspectives are illustrated in works of fiction, and whether fiction itself can be a form of moral philosophy. Students should gain an understanding of several moral theories, develop an appreciation of the importance of fictional narrative to ethical life and theory, and of the potential value of moral philosophy to literary criticism. We will examine both texts in philosophical ethics, by such figures as Sartre, Derrida, and Martha A. Nussbaum, and works of fiction, by such authors as Jane Austen, Virginia Woolf, and Philip K. Dick.

### **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: Moral Conflict**

**3**

This course will examine both the philosophical and practical issues raised by the (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). Questions 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?

### **PHI3684: The Art of Living**

**3**

This course will explore different conceptions of the good life and some of the ways that philosophers have proposed one can achieve it (or practice it). We will examine the following questions: What habits or skills does one need to live well and how, if at all, can one go about acquiring them? Is living well primarily a matter of feeling good about one's life or does it involve other more 'objective' components? Should we think of the art of living as identical with morality or should we think of the art of living as something broader and more all-encompassing than morality? The course readings will range from the ancient world up to contemporary society.

### **PHI3700: Philosophy of Religion**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. 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.

**PHI3881: Philosophy of Music** **3**

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.

**PHI3930: Selected Topics** **v.**

May be repeated for a total of 12 credits under different topics.

**1-4**

**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.

**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.

**PHI4220: Philosophy of Language** **3**

*Prerequisite:* One course in philosophy other than foreign culture. 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.

### **PHI4320: Philosophy of Mind**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. 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.

### **PHI4400: The Philosophy of Science**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. 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.

### **PHI4420: Philosophy of the Social Sciences**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. 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 given to the relationship of the social sciences to the humanities and the natural sciences.

### **PHI4453: Philosophy of Psychiatry**

**3**

Pre-req: One course in Philosophy other than Foreign Culture. This course examines the philosophical and ethical issues raised by the theory and practice of psychiatry. 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 psychiatric care embody different underlying philosophical assumptions? What different philosophical reasons are there for thinking that psychiatric treatment should be aimed at the mind, the brain, behavior, the self, the soul, or the whole person? What are the philosophical and ethical assumptions behind psychoanalysis? Is psychoanalysis a science, and does it matter if it is not? What philosophical and ethical questions are raised by the use of medication in psychiatric practice?

### **PHI4674: Lies and Self Deception**

**3**

Prerequisites: At least one of the following (with a B or better grade): PHH 3100, PHH 3400, PHI 3130, PHI 3691 Self-deception is a common phenomenon. In fact, nearly everyone seems 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 for (or against) a particular religion or political party, and so forth. 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.

**PHI4905: Directed Individual Study**

May be repeated for 12 credits under different topics.

**v.  
1-  
3****PHI4930: Special Topics in Philosophy**

*Prerequisite:* One course in philosophy other than foreign culture. Topics of importance in philosophy. May be repeated up to 9 credits under different topics. For example: Special Topics: Philosophy of Self.

**3****PHI4935: Philosophy Seminar**

*Prerequisite:* One course in philosophy other than foreign culture. An investigation of specific philosophical problems or issues. Topics vary. May be repeated for 12 credits with consent of instructor.

**v.  
3-  
4****PHI4970: Senior Honors Thesis**

Research and honors thesis writing under the supervision of a departmental committee. May be repeated for a maximum of 6 credits.

**v.  
3-  
6****PHM2030: Ecological Philosophy**

In this course, we examine the conceptual foundations of the way we relate to our environment, alternative ecological frameworks, and the mutual influence of philosophical theory and ecological practice. This course will have five parts: metaphysics, values, approaches to environmentalism, environmental practice in general and environmental practice in Jacksonville and at UNF. The goal of this course is to familiarize the student with the variety of value approaches one can take toward the natural environment.

**3****PHM3020: Philosophy of Love and Sex**

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.

**3****PHM3050: Ethical Issues in Death and Dying**

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.

**3****PHM3100: Social Philosophy**

An analysis and evaluation of different accounts of society, social order, and human sociation. Readings from classical social philosophers and contemporary social theorists.

**3**

### **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**

*Prerequisite:* One course in philosophy other than foreign culture. Introduction to philosophical issues in legal theory. 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.

### **PHM3500: Philosophy of History**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. An examination of major theories of historical development and explanation. Emphasis placed on the relation of history to nature, human nature, freedom, determinism, progress, regression, cyclicity, eschatology, science, morality and religion. Attention also given to different accounts of historical understanding, historical objectivity, historical causation and the subject matter of history.

### **PHM4340: Contemporary Political Philosophy**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. 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: Pragmatism**

**3**

Pragmatism is perhaps the most enduring and respected of the distinctly American philosophies. Controversial since its beginnings in the latter half of the 19th century, many contemporary philosophers still embrace it today, in spite of its many persistent critics. In this course, we will examine the writings of major pragmatists, both historical and contemporary. Among the philosophers whose views we will examine are James, Peirce, and Dewey. For each philosopher, our task will be to understand both what the philosopher's views are and how those views relate to the views of other pragmatists. The goal is to arrive at a broad understanding of just what it means to be a pragmatist. In addition, we will critically evaluate each individual's views, and the views of pragmatists more generally.

### **PHP4410: Kant**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. This course explores the thought of Immanuel Kant (1724-1804), focusing on the totality of his "critical" philosophy as expressed in his writings on epistemology, science, metaphysics, ethics, morality, religion, and aesthetics. Attention is also given to Kant's "popular" writings on history, politics and culture.

### **PHP4782: Phenomenology**

**3**

*Prerequisite:* One course in philosophy other than foreign culture. This course deals with the central questions and methods of contemporary phenomenology, with emphasis on the primacy of experience, the structures of perception and the construction of the world, with readings in Husserl, Heidegger, Sartre, Merleau-Ponty and others.

### **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.**

Variable topics in religion.

**1-**

**4**

### **REL3040: Introduction to the Study of Religion**

**3**

*Prerequisite:* REL 3102 and REL 2300

*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 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 remything 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.

### **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.

### **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.

### **REL3310: Asian Religions**

**3**

This course examines the historical and theological developments within the (1) Islamic, (2) Hindu, (3) Buddhist, (4) Taoist, and (5) Shinto religious traditions. Lectures focus on cultural, philosophical and historical issues relevant to the religion studies. Emphasis is placed upon reading primary source material.

### **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.

### **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.

**REL3421: Studies in Contemporary Religious Thought 3**

This course presents three major movements in recent Christian religious thought: process theology, deriving from A.N. Whitehead and C. Hartshorne; existentialist theology, deriving from R. Bultmann and J. MacQuarrie; and transcendental Thomism, using the work of K. Rahner and B. Lonergan. Developments in the "God is dead" movement will also be considered.

**REL3443: Liberation Theologies 3**

This course will identify and explore the religious foundations of the Black Awareness, Third World, and Women's Liberation movements. A process of lecture, discussion, scheduled readings, research and student papers will further a theological appraisal of the political, social, moral and religious issues generative of these movements.

**REL3505: History of Christian Thought 3**

This course surveys the historical phenomenon of Christianity. It traces its growth and influence and gives attention to key figures active in the process, from primitive Christianity, the medieval period and the Reformation, to modern times. It seeks not so much to discern the unfolding of a grand design as to see people dealing with the immediate realities of life, thereby finding or creating meaning in the engagement.

**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.

### **REL4900: Directed Independent Study Religious Studies**

**v.**

*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.

**1-3**

### **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.

# Undergraduate Courses

## Communication

### Course Descriptions:

#### **ADV3008: Principles of Advertising**

**3**

*Prerequisite:* MMC 1004, MMC 3105, and MAR 3023

*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 and MMC 3105

*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

### **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.

### **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.

### **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.

### **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.

### **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.

### **COM4905: Independent Study in Communication Studies**

**v.  
1-  
3**

*Prerequisite:* Consent of Instructor and Department Chair Course subjects in communication studies will vary with each offering. This course may be repeated once for a maximum of six credits.

### **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.

### **JOU3101: Advanced Reporting**

**3**

*Prerequisite:* JOU 3204 and MMC 3105

*Description:* Reporting techniques, interviewing and the basic process of print news production are covered. In addition, the course introduces students to various reporting coverage specialties, including courts, business, government, science and law enforcement. Students will be involved in completing both in-class and out-of-class assignments.

*Course Fees:* \$10

### **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

### **JOU3204: Principles of Journalism**

**3**

This course offers a historical investigation of American journalism. The course examines American journalistic development and history as a product of the social, cultural, historical, and political environment.

### **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:* MMC 4500 and JOU 3109 and 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 (Print)**

**3**

*Prerequisite:* JOU 3204 and MMC 3105 and JOU 3101

*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.

### **JOU4202: Advanced Newspaper Editing**

**3**

*Prerequisite:* JOU 3204 and MMC 3105 and JOU 3101

*Description:* This course emphasizes news selection and judgment, creativity in editing and presentation, and design for the World Wide Web. Students will complete print and online publications using student reporting assignments.

*Course Fees:* \$10

### **JOU4223: News Editing and Design**

**3**

*Prerequisite:* MMC 3105 and JOU 3109 and MMC 1004

*Description:* This course emphasizes news selection, copy editing, and design for print- and web-based news publications. Students will be involved in completing both in-class and out-of-class assignments.

*Course Fees:* \$10

### **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

### **JOU4412: Advanced Newspaper Design** **3**

*Prerequisites:* MMC 3614, MMC 3105, JOU 3204, JOU 3101 and JOU 4202. Advanced Newspaper Design is a continuation of Advanced Newspaper Editing (JOU 4201). This course emphasizes news selection and judgment, creativity in editing and presentation, and design for the World Wide Web. Students will complete print and online publications using student reporting assignments. (A material fee of \$10 will be assessed.)

### **JOU4930: Special Topics in Journalism** **3**

*Prerequisites:* MMC 3105, JOU 3204 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. 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.

### **MMC3105: Advanced Writing for the Media** **3**

*Prerequisite:* MMC 1004

*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 and MMC 3105

*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. (A material fee of \$10 will be assessed.)



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**MMC3614: Media Theories and Effects****3**

*Prerequisite:* MMC 1004 and MMC 3105 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.

**MMC3942: Pre Internship in Communication****1**

*Prerequisite:* MMC 1004 and MMC 3105 and ADV 3008 or PUR 3000 or MMC 4500 Instructor permission is required for enrollment in this course. In addition, the student must have junior or senior standing in the department and a major GPA of 2.0 or higher.

*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.

**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

**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.

*Course Fees:* \$10

**MMC4905: Independent Study****v.  
1-**

*Prerequisite:* Consent of instructor or department chairperson. May be repeated for a

maximum of 12 credits under different topics.

3

### **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 1004 and MMC 3105 and MMC 3200 and MMC 3614 and MMC 3942 This course is the capstone for the Communication Major. An internship (or senior project) 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. In rare and unique cases, a faculty-supervised research paper will be approved in lieu of internship.

### **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

*Prerequisites:* PUR 3000 and MMC 3105. 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. (A material fee of \$10 will be assessed.)

### **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 relations' 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 3105, PUR 3000, PUR 3100, PUR 4801 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.

### **PUR4930: Special Topics in Public Relations**

**3**

*Prerequisites:* MMC 3105, PUR 3000 This course will explore important issues pertaining to the theory, research, and practice of public relations in a seminar format. Issues will vary from semester to semester. The course may be repeated up to a total of 6 credits.

### **RTV3000: Principles of Broadcasting**

**3**

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.

### **RTV3101: Advanced Broadcast Writing**

**3**

*Prerequisites:* MMC 3105, MMC 3614, RTV 3000 and RTV 3220C. This course is designed to provide a thorough understanding of the principles and practice of broadcast writing. Students will learn through practical exercises in various broadcast writing formats. The emphasis is to help the student develop critical skills in evaluating their own work and the work of their peers and to learn how to work as a team to create a script. (A material fee of \$10 will be assessed.)

### **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. (A material fee of \$30 will be assessed.)

### **RTV3228: Multi Camera Video Production**

**3**

*Prerequisite:* MMC 4500 and RTV 3260 and MMC 1004 and MMC 3105

*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

### **RTV3234: Multimedia Announcing and Performance**

**3**

*Prerequisite:* MMC 1004 and MMC 3105 and MMC 4500 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

### **RTV3260: Single Camera Video Production** **3**

*Prerequisite:* MMC 4500 and MMC 1004 and MMC 3105

*Description:* This course addresses direction and production of single-camera video projects including producing, camera, audio, lighting, and non-linear editing.

*Course Fees:* \$30

### **RTV3301: Producing TV News** **3**

*Prerequisite:* RTV 3000, RTV 3101 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. (A material fee of \$30 will be assessed.)

### **RTV3324: Public Affairs Television** **3**

*Prerequisites:* MMC 1004 and MMC 3105 and MMC 4500 This course will use a performance instruction technique that will enable students to produce a regular public affairs television program. The program will be aired on commercial television. Students may repeat the course once. (A material fee of \$30 will be assessed.)

### **RTV3800: Media Management** **3**

*Prerequisite:* MMC 1004 and MMC 3105 and MMC 4500

*Description:* Students will learn the economic activities and management techniques of various aspects of the broadcast industry by studying business structures and practices of radio and television operations in different markets.

*Course Fees:* \$30

### **RTV4221: Advanced Television Production** **3**

*Prerequisite:* MMC 4500 and RTV 3260 and RTV 3228 and MMC 1004 and MMC 3105

*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.

*Course Fees:* \$30

### **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.

### **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.

### **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

### Course Descriptions:

#### **AST2002: Basic 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: Basic Astronomy Laboratory**

**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: 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: Earth Science Lab**

**1**

*Co-requisite:* ESC 2000

*Description:* This course is the laboratory course to accompany the Earth Science ESC 2000 lecture course. Topics to be investigated are the scientific method, rocks and minerals, the history of Earth, plate tectonics, earthquakes, mapping, oceanography, atmospheric physics and properties of the Solar System.

*Availability:* This course is normally available Summer, Fall and Spring terms.

*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: Introduction to Physics**

**2**

*Description:* 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. Some of the history of physics will be included in addition to brief biographies of a select group of leading classical physicists. An exposure to the philosophy of science and the scientific method forms an essential component of this course. The course is intended for students who have had no previous physics course, including high school physics. This course cannot be used by natural sciences majors to satisfy degree requirements.

*Availability:* This course is normally available Fall and Spring terms only.

## **PHY1020L: Introduction to Physics Lab**

**1**

*Co-requisite:* PHY 1020

*Description:* This course is the laboratory that explores the topics covered in the PHY 1020 Introduction to Physics lecture course. The experiments will involve laboratory exercises dealing with kinematics of free fall and projectile motion, forces and motion, laws of conservation of energy and momentum, optical laws of reflection and refraction, the behavior of lenses, basic electric circuits, electromagnetic forces, standing waves, and heat phenomena.

*Availability:* This course is normally available Fall and Spring terms only.

*Course Fees:* \$25

## **PHY1024: Introduction to Physics for New Physics Majors**

**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.

### **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.

### **PHY2048: Calculus-based Physics I**

**4**

*Prerequisite:* MAC 2311; high school physics with a minimum grade of "B" or PHY 1020

*Co-requisite:* MAC 2312

*Description:* This course is an introduction to the fundamental laws and theories of physics with an emphasis on mechanics, heat and wave motion. This course will be four hours of lecture.

*Availability:* This course is normally offered Fall and Spring terms only.

### **PHY2048L: Calculus-based Physics I Lab**

**1**

*Co-requisite:* PHY 2048

*Description:* This is the laboratory course that accompanies the PHY 2048 course. This course will be three hours of laboratory.

*Availability:* This course is normally offered Fall and Spring terms only.

*Course Fees:* \$25

### **PHY2049: Calculus-based Physics II**

**4**

*Prerequisite:* PHY 2048 and MAC 2312

*Description:* This course is a continuation of PHY 2048 with emphasis on electricity, magnetism and light. This course will be four 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

*Description:* This course is the laboratory course that accompanies PHY 2049. 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; high school physics with a minimum grade of "B" or PHY 1020



*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.**

*Prerequisite:* Permission of the instructor

*Description:* This course contains variable topics in physics that are appropriate for students in their freshman or sophomore years.

**1-**

**4**

**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. This course will be four hours of laboratory.

*Availability:* This course is normally offered Fall term only.

*Course Fees:* \$25

**PHY3220: Classical Mechanics** 4

*Prerequisite:* PHY 2049 and MAC 2312

*Co-requisite:* MAP 2302

*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.

**PHY3320: Electricity and Magnetism** 4

*Prerequisite:* PHY 2049 and MAC 2313

*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.

**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

**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

**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.

**PHY4604: Quantum Mechanics** 4

*Prerequisite:* PHY 3101, MAC 2313, and MAP 2302

*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.

**PHY4802L: Advanced Physics Laboratory** 2

*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 six hours of laboratory.

*Availability:* This course is normally available Spring term only.

*Course Fees:* \$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.  
1-  
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**

*Prerequisite:* Junior or senior standing and consent of instructor; 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 Spring term only.

### **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-**

*Prerequisite:* Permission of the instructor and PHY 4900 **12**  
*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.

**PHZ3113: Mathematical Physics** **3**

*Prerequisite:* PHY 2049 and MAC 2313  
*Co-requisite:* 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, boundary-value problems, and numerical methods. This course will be three hours of lecture.  
*Availability:* This course is normally offered Fall term only.

**PHZ3404: 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.

**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 and PHY 4604  
*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.

**PSC4905: Directed Independent Study** **v.**

*Prerequisite:* Permission of the instructor **2-**  
*Description:* This course involves variable topics as related to recent advances in physics. **4**  
*Repeatability:* This course may be repeated up to 12 credits with different topics.

# Undergraduate Courses

## Criminal Justice

### Course Descriptions:

#### **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.

#### **CCJ3930: Criminal Justice Junior Seminar**

**3**

*Prerequisite:* CCJ 2002. This seminar is intended to introduce new majors to the discipline, to the program at UNF, to various careers in the field, and to knowledge sets designed to enhance performance both in the classroom and in professional life. This course should be taken as early in the student's career as possible.

#### **CCJ3932: ST: Criminal Justice**

**v.**

This course involves analysis of variable topics in criminal justice. May be repeated for a total of 12 credits under different topics.

**1-**

**4**

**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.**

*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.

**1-4**

**CCJ4909: Criminal Justice Honors Research** v.  
1-6  
Prerequisites: Admission to the College of Arts and Sciences Honors Program, CCJ 3014, and SYA 3300. This course provides a vehicle for students admitted to the Criminal Justice Honors program to work closely with a sponsoring faculty member on an individually supervised research project. Students must enroll for six hours total, which will be usually spread over two semesters. Repeat up to six credits.

**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.

**CJE4144: Security and Society** **3**

The origins and modern meanings of security are explored, especially as they interrelate with law enforcement and public safety, and the importance of security to the public as a whole is studied. The means of implementation in both public and private sectors are examined.

**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.

**CJE4211: Hate Crimes** **3**

This course presents an analysis of the origin and persistence of domestic hate crimes, and the criminal justice response to such crimes. The course will provide an overview of the organization and criminal activities of hate groups in the United States, and the historical roots of hate culture.

**CJE4270: Child Abuse** **3**

This course explores physical, emotional and verbal child abuse and neglect. Students will analyze the criminal dynamics, historical perspectives; effects and consequences; treatment responses for victims and perpetrators; and issues related to race, sex and class in child abuse and neglect.

**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

## Political Science and Public Administration

### Course Descriptions:

#### **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 Sub-Saharan 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.

#### **CPO3351: (FC) Politics and Society in Brazil** **3**

This course will examine the political systems and traditions of Brazil, including government institutions, the federal system and state politics, political parties, social movements and elections. Contemporary political issues of special salience to Brazilians will also be analyzed, including poverty and development, human rights, the environment, as well as Brazil's role in international politics.

#### **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: Third World Politics**

**3**

*Prerequisite:* CPO 2002 or consent of instructor. The subject of this course is political development in selected third world nations (including China), emphasizing the economic, social, and psychological conditions underlying political change.

### **CPO4930: Topics in Comparative Politics**

**v.**

*Prerequisite:* CPO 2002 or consent of instructor. The content of this course covers various specialized studies in the realm of comparative politics. May be repeated up to a total of 9 credits.

**1-**

**4**

### **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.

**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.

**INR3248: (FC)U.S. Caribbean/Central America Relations** **3**

This course dissects the key issues in the relationship between the United States and the countries of the Caribbean Basin, including Central America, the island nations of the Caribbean, Mexico, Venezuela and Colombia. Issues such as immigration, security, political and economic development, and the 'War on Drugs,' are viewed from North American and Caribbean Basin/Central American perspectives.

**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.

**INR3950: 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.

**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.

### **INR4905: Directed Independent Study**

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.

**v.  
1-  
4**

### **INR4930: Capstone Seminar: International Studies**

*Prerequisite:* Senior Standing; satisfactory completion of 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 3713. Through lecture and the discussion of core readings and individual research projects this course will examine contemporary international issues such as globalization, terrorism, the impact of environmental degradation, access to health care, food distribution and, the development of civil societies.

**3**

### **PAD4003: Public Administration**

*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.

**3**

### **PAD4027: Issues in Public Management**

*Prerequisite:* POS 2041 or consent of instructor. Current developments and considerations in development of effective and responsible management of public agencies. Examination of decision making models and ethical, political, financial, personnel and policy questions as they affect managers and administrators in public sector organizations.

**3**

### **PAD4144: Nonprofit Management**

*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.

**3**

### **POS2041: Introduction to American Government**

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.

**3**

### **POS3114: Issues in State and Local Government**

Analysis of the structure, functions and processes of subnational governments in

**3**

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.

### **POS3235: Government and Mass Media** **3**

This course examines the mass media as a political actor. It explores the political roles and functions of the mass media; examines relations between government and the mass media; and assesses the relationships between media and political systems in different nations.

### **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: Soul of the Court** **3**

This course is designed to introduce the student to the varying judicial philosophies currently in conflict in contemporary American society, with an emphasis on the battle for control of the philosophical composition of the current United States Supreme Court. A major portion of the course will detail the nomination and confirmation battle over Robert Bork to the Supreme Court. The course will then update the continuing saga of the political process at work in attempting to shape the future of the Supreme Court. The course will then delve into the battle over the confirmation of Clarence Thomas to the Supreme Court. The resulting philosophical struggles within the Court will be detailed as those struggles determine the current direction of the Court with respect to

contemporary legal issues.

### **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.

### **POS3676: Great American Trials**

**3**

This course provides the student with a historical review of some of the most significant and celebrated cases in American legal history and profiles famous civil litigants and criminal defendants. Trials have served as the ultimate means to resolve major disputes within our society since the earliest days of our country's history. Some of the major events in our nation's development have been centered on major civil litigation, and the controversies generated by crimes of significance; the "trials of the century" featured in this course.

### **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.

**POS4167: Urban Policy and Planning** **3**

General analyses of principles and issues of administering city governments. Problems of local governmental managing, budgeting, planning and delivering urban services will be emphasized. Primary focus is the U.S., with reference to selected foreign countries.

**POS4173: Southern Politics** **3**

Political processes and problems characteristic of the southern States of the USA.

**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.

### **POS4930: Senior Seminar in Political Science**

**3**

*Prerequisite:* POS 3733 and POS 3734

*Description:* In this course students will study and analyze in depth important contemporary issues in political science. The specific emphasis of the seminar may vary from semester to semester. But knowledge acquired in previous courses in politics, international relations, comparative politics, public policy and public administration will be drawn upon in order to enhance and deepen the student's appreciation of the theories, methods and applications of Political Science in today's world.

### **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.  
3-  
4**

*Prerequisite:* Consent of instructor. This course provides a supervised internship or research field experience within the discipline of political science.

### **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.

### **POT3075: American Politics and Popular Culture**

**3**

This course systematically and critically explores how, and to what effect, American popular culture shapes our mediated political reality. It focuses on specific artifacts of popular culture: the commercial feature film, television, and popular literature.

**POT3515: Good and Evil: Political Perspectives** **3**

This course will examine extreme political action, behaviors, and policy effects which are labeled as "evil" or "good." Students will examine what these terms mean in political contexts, how these terms are applied, and what activates individuals, movements, and governments to engage in such behaviors. Examples such as terrorism, the Holocaust, institutionalized social and political inequalities, as well as positive programs to eradicate disease and hunger, or international intervention on behalf of human rights will be used as case studies to explore these concepts.

**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.

**PUP3053: Political Economy** **3**

*Prerequisite:* CPO 2002. Politics and economics are inextricably linked in most American public policy decisions. This course will examine how the economy affects political decisions, as well as how political choices affect the American economy. The course addresses the development of political economy as a discipline in addition to contemporary domestic policy issues.

**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.

**PUP4506: Evolution, Society and Politics** **3**

Prerequisites: POS 2041, or consent of instructor. "Biopolitics" explores the relationship of humankind's evolutionary origins to present social and political behavior, particularly the emergence of state power and institutions. The course surveys key questions, issues, and controversies encountered in "biological" explanations of political phenomena. Additionally, the course examines some contemporary policy issues associated with developments in biotechnology.

## **PUP4612: Politics of Social Programs**

**3**

Examines the political response to maldistribution of wealth and income with special emphasis on analysis of public policy alternatives for achieving social welfare.

# Undergraduate Courses

## English

### Course Descriptions:

#### **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.

**AML4225: Studies in 19th Century American Literature** **3**

*Prerequisite:* At least one literature course at the 3000 level or permission of instructor. Readings in 19th century American literary texts. Focus will differ with each offering. See department office for reading list.

**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 Non-Fiction** **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.

### **CRW3211: (GW) Creative Non-Fiction 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.

### **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.

### **CRW4424: Playwrights' Project**

**3**

*Prerequisite:* CRW 2400

*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 10-minute 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 12 credits.

### **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.

### **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.

### **ENC1101: (GW) Introduction to Rhetoric and Writing**

**3**

This course is an introduction to writing at the college level. Gordon Rule English credit.

### **ENC1102: (GW) The Informed Writer**

**3**

*Prerequisite:* ENC 1101. In this course students write various kinds of expository prose, including some informed by research. Gordon Rule English credit.

### **ENC1130: Special Topics in Writing**

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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) Introduction to Rhetoric and Narrative**

**3**

*Description:* This course introduces students to basic rhetorical features of a range of texts in different genres, with a focus on the elements of narrative. Students will learn how to read critically in preparation for writing critically on the course texts. 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.

### **ENC2442: (GW) Writing Topics: Humanities**

**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 humanities. This course will also require students to focus on the writing conventions and expectations in the humanities, 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 humanities and related disciplines. 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.

**ENC2462: (GW) Writing Topics: Education****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 education. This course will also require students to focus on the writing conventions and expectations in education, 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 education 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.

**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.

**ENC3930: Special Topics in Composition** **3**

*Prerequisite:* Junior standing or permission of instructor. Topics of importance in theory and/or practice in composition.

**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.

**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.

**ENG3930: Special Topics in Literary and Cultural Theory** **3**

*Prerequisite:* Junior standing or permission of instructor. Topics in criticism and interpretation of literature. May be repeated for a total of 12 credits under different topics.

**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.

**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.

**ENL3203: Old English** **3**

This course introduces students to Old English, the ancient ancestor of Modern English with a focus on reading knowledge through grammar study, translation, and pronunciation and on the history, culture, and literature of Anglo-Saxon England.

**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.

**ENL3501: Periods of Early British Literature** **3**

*Prerequisite:* One course in literature.

*Description:* This course consists of readings in British literature from its beginnings to 1800, with particular attention to two or more distinct periods. This course will examine the kinds of aesthetic, linguistic, and cultural changes by which periods are constructed, and how useful are they to an understanding of literature.

**ENL3503: Periods of Later British Literature** **3**

*Prerequisite:* One course in literature.

*Description:* This course consists of readings in British literature from approximately 1800 to the present, with particular attention to two or more distinct periods. This course will examine the kinds of aesthetic, linguistic, and cultural changes by which periods are constructed, and how useful are they to an understanding of literature.

**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.

**FIL3300: Documentary Studies** **3**

Documentary Studies introduces students to documentary research, techniques, generic features, styles, aesthetic dimensions, and ethical issues.

**FIL3826: American Film Survey** **3**

*Description:* This course will survey American Film from Thomas Edison to the New Hollywood of the 1970s and beyond. Attention will be paid to genre and historical context.

**FIL3828: International Film Survey** **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.

**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.

**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.

**FIL4306: Advanced Documentary Studies** **3**

*Prerequisite:* FIL 3300

*Description:* This course focuses on documentary film or documentary production through style, movement, region, topic, and/or theme. Documentary of various media may be studied or practiced.

**FIL4363: 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.

**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.

**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:* This analysis course focuses on the cross-cultural encounter common to cinema in its content, production, distribution, and exhibition. Cross-cultural encounters created by tourism, immigration, romance, and others will be explored in the interpretation of film.

**FIL4882: (CD) Cinema and Culture** **3**

This course examines films as cultural texts. Topics may include: representations of gender and sexuality, race and ethnicity, ideology, cross-cultural exchange, and globalization. This course is open to students, in any discipline, who are interested in understanding the influence of the historical and cultural context on film.

**FIL4900: Directed Independent Study in Film** **v.**

This course provides students with the opportunity to undertake an advanced, independent study of film. Course content will vary by instructor.

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**FIL4931: Advanced Topics in Film** **3**

Prerequisites: FIL 2000, LIT 3213 This course covers advanced topics, themes, or movements in Film. It may cover themes, such as crime in mass media; or survey a specific period, such as American film of the 1970's in cultural context; or focus on a specific genre, such as kitchen sink realism in British film; or trace cinematic movements, such as avant-garde film. By way of specific focus, Advanced Topics in Film contributes to students' broad understanding of film while also increasing their ability to study a topic in depth. Every offering will use film as its primary medium of study to refine students' viewing skills and to advance analytical skills.

**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.

### **LIN3010: Principles of Linguistics**

**3**

Overview of the modern linguist's approach to language. Analysis of phonological, morphological and syntactic systems. Brief survey of psycholinguistics, historical linguistics, sociolinguistics, language acquisition and semantics.

### **LIN3930: Special Topics in Linguistics**

**3**

*Prerequisite:* LIN 3010 or equivalent. Topics of importance in the study of language. May be repeated for up to 12 credits under different topics.

### **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.

### **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.

### **LIT2930: Special Topics in Literature**

**3**

Variable topics in literature. May be repeated up to 6 credits with different topics.

### **LIT3193: (FC) Literature of the East**

**3**

*Description:* Interpretive study of drama and fiction of India, China and Japan, focusing on Oriental mythic, social and intellectual backgrounds. Includes such writers as Sudraka, Kalidasa, Tagore, Mae Tun, Lusin, Ibuse and others.

### **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: Adolescent Literature** **3**

*Description:* This course examines literature for adolescents from social, psychological, educational, and other points of view.

**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.**

*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.

**1-3**

**LIT4930: Special Topics in Literature** **v.**

*Prerequisite:* Junior standing or permission of instructor. Topics of importance in literature. Course may be repeated up to 12 credits under different topics.

**1-3**

**LIT4934: Seminar in Literature** **3**

Prerequisites: 4 upper-division English courses or permission of instructor. 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.

**SLS1990: First Year Seminar** **v.**

This course is designed to assist students with their general transition from high school to college. It will provide students with the knowledge, skills and values for a successful academic career. Students will be introduced to academic expectations, the culture of the university, effective study skills and habits, healthy and safe lifestyle choices, campus opportunities, information technology, academic resources, and career planning. The course will encourage active student involvement in the learning process.

**0-1**

**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.

**THE3110: History of Drama and Theater I** **3**

*Description:* In this survey of Western drama, students will read and analyze selected tragedies and comedies from the Greek, Medieval, Early Modern, and Restoration periods. Students will reflect on: the religious, social, commercial, and political function of the theater and of drama throughout these periods; the movement toward a more secularized theater; the developments in the architecture of theaters and their implications for acting and audience expectations; the process of institutionalizing the theater with the construction of purpose-built theaters and the formation of acting companies made up of professional actors.

**THE3111: History of Drama and Theater II** **3**

*Description:* In this survey of "modern drama," the drama that was written and performed in Europe and the United States from the late-nineteenth century to the mid-20th century, students will read and discuss realistic and naturalistic works of Ibsen, Chekhov, and Strindberg. Students will consider how American playwrights like O'Neil, Miller, Williams, and Hansberry embraced and transformed realist tenets to represent a culturally and racially diverse American landscape. Students will also read and discuss the mid-20th century wave of anti-realistic movements and avant-garde experiments that include Brecht's epic theater, Pirandello's meta-theater, and Beckett's absurdist theater. The course will focus on how modern drama transformed the conventions of 19th century popular drama and the implications for acting and audience expectation.

**THE3170: Contemporary Drama and Theater** **3**

*Description:* This course surveys representative national or global dramatic works from the second half of the twentieth century to the present. Selected works may be organized according to common themes or topics: for example, the search for cultural identity, violence/war, peace, race, or family. This course will provide instruction in methods for analyzing dramatic literature and staging practices.

**THE4524: Studies in Drama and Theater** **3**

*Description:* This course focuses on an historical or artistic problem or a period, style, or playwright covering selected topics of current interest in drama or theater. It may be lecture, discussion, or studio format (reading and acting of scenes).

*Repeatability:* The course may be repeated up to 6 credits with different topics.

**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.

**THE4923: Theater Production: Behind-the-Scenes** **v.  
1-  
4**

*Description:* This course offers practical experience in the design and/or execution of department productions. Students will be involved in the practical exigencies of translating a script into a theatrical event. Students will engage in various aspects of theater production, including research, publicity and promotion, and/or set construction,

lighting, sound, and costuming. This course is offered for variable credit and may be repeated for up twelve (12) credits. Department permission is required prior to registration.

### **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.

### **TPP4155: Theater Production: Performance**

**v.  
1-  
3**

*Description:* This course is for students interested in acting in a major department of English production. The course focuses on preparing students for a role on stage. It includes script analysis, character development, and vocal and movement techniques associated with the acting method and style appropriate to the play being produced. Students will practice living in the moment as part of an ensemble and will be expected to demonstrate professionalism and teamwork. A commitment to substantial rehearsal time is required.

*Repeatability:* This course is offered for variable credit and may be repeated for up twelve (12) credits. Department permission is required prior to registration.

### **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.

# Undergraduate Courses

## Psychology

### Course Descriptions:

#### **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.

#### **CLP2001: Personal Growth**

**3**

*Description:* This course is an introduction to the concepts and techniques of psychology relevant to adaptive personal growth and development. Emphasis will be placed on interpersonal aspects of effective human behavior.

#### **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.

#### **CLP4183: 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.

#### **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:* 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**

*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**

*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:* 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:* 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**

*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: Psychobiology** **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.

### **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.

### **PSY3911: Supervised Research**

*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.

**v.  
1-  
3**

### **PSY4302C: Psychological Testing**

*Prerequisite:* STA 2014, PSY 3213 and PSY 3213L

*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

**4**

### **PSY4604: History of Psychology**

*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.

**3**

### **PSY4904: (GW) Honors Research**

*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.

**v.  
1-  
6**

### **PSY4906: Directed Individual Study**

*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.

**v.  
1-  
3**

### **PSY4931: Seminar**

*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.

**v.  
1-  
3**

## **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:* 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 cultural 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. The course will follow different didactic methods, e.g. lectures, group work, movies, presentations, discussions, activities, field trips, and assignments.

### **SOP3742: (CD) Psychology of Women**

**3**

*Description:* This course involves an investigation of major personality theories and clinical practices as they relate to female psychology. Findings from the field of psychology regarding differences between males and females 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

### Course Descriptions:

#### **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.

#### **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.

### **AMH3530: (CD) The Peopling of America**

**3**

The personal and collective experiences of immigrants who arrived in the U.S. during the 19th and 20th centuries, focusing on Irish, Jewish, Swedish, Norwegian, Japanese, Chinese, other Asian Americans, Mexican, and Puerto Rican immigrants.



**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.

**AMH3590: American Biography** **3**

American history through the life and times of notable, and not so notable, men and women, examining how they affected their world as well as how their world affected them.

**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.

**AMH4906: Directed Individual Study** **v.**

*Prerequisite:* Written consent of the instructor. May be repeated for 6 credits with consent of chairperson.

**1-3**

**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

**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) Japanese Women**

**3**

This course examines the place of women in Japanese society, history, literature, religion, and art. It also assesses women's contributions to, and their status and roles in, those aspects of Japanese culture.

### **EUH1000: (GW) Freshman Core I**

**3**

First part of a two-term interdisciplinary survey course that combines Western civilization lectures with discussions of major works of Western culture. Students are encouraged to take both EUH 1000 and EUH 1001 but only one of the two courses is required of all freshmen. Gordon Rule Additional Writing credit.

### **EUH1001: (GW) Freshman Core II**

**3**

Second part of a two-term interdisciplinary survey course that combines Western Civilization lectures with discussions of major works of Western culture. Students are encouraged to take both EUH 1000 and EUH 1001 but only one of the two courses is required of all freshmen. Gordon Rule Additional Writing credit.

### **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 Mycenaean 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.

**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.

**EUH3502: Modern Britain** **3**

Examines the political, economic and social transformations of the United Kingdom from 1714 to present.

**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.

**EUH3533: The Making of Modern Ireland** **3**

This course is a broad survey of Irish history from St. Patrick (c. 400 AD) to the present troubles. The course employs primary sources, literature, and historical monographs as well as music and film.

**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.

**HIS3065: Public History** **3**

This is an introductory class to the field of public history. Public History is the application of the information, expertise and practices of traditional academic history to non-academic venues. Particular emphasis is placed on the "nuts and bolts" of historic preservation. Students will learn about various aspects of public history from field trips to such institutions as history museums, special collections departments of libraries, art museums, and park service locations. In addition to relevant readings, students will be given assignments to help acquire practical experience in the field. For example, students will be required to complete a local historic landmark application.

**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.

**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.**

*Prerequisite:* Written consent of the instructor. May be repeated for a total of 6 credits under different topics.

**1-4**

**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.

**LAH3735: Colonial Latin American History Through Film****3**

This course is designed to introduce students to major thematic issues in colonial Latin American history and their cultural representation through film. The course is designed chronologically, and serves to extend the students' grasp of factual material as well as to highlight key historical issues.

**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.

**LAH3955: Latin America Abroad****3**

This course offers students the opportunity to study and to visit some of Latin America's most fascinating pre-Columbian and colonial sites. Trips are scheduled for early May and the destinations alternate yearly between Mexico/Central America and the Andes.

**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.

**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

## Sociology, Anthropology, and Social Work

### Course Descriptions:

#### **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.

#### **ANT2100: Introduction to Archaeology** **3**

The basic theoretical and methodological principles of American archeology. The course covers the methods and tools used by archaeologists, the framework of inquiry and methods of recovery, analysis, interpretation and explanation.

#### **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.

**ANT3320: Native Peoples and Cultures of the Southwest****3**

This course provides an overview of the pre-Columbian indigenous cultures of the North American desert west. It begins with an examination of the pre-Hispanic societies of the region. Lectures and readings will focus upon the appearance, evolution, and history of these traditions up through contact with Europeans. Students will then be exposed to the cultures currently existing within northern Mexico and the southwestern U.S. including; the Apache, Opata, Raramuri, Dine, Paiute and Ute, Yaqui, Huichol, Tohono O'odham, Hopi, Zuni, and eastern Puebloans. The course will also explore how contact with Europeans led to changes in these societies and how current political boundaries falsely divide the cultures of the region. Specific attention throughout the course will be placed upon a nuanced understanding of these unique cultures that is non-essentializing and non-imperialist and which does not mythologize the pre-Columbian "other".

**ANT3340: Anthropology of the West Indies****3**

This course examines the people and cultures of the West Indies from an anthropological perspective. We include the Hispanic, Francophone, and Anglophone islands of the Caribbean, as well as adjacent regions of Central and South America.

**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.

### **ANT3443: The City and Health**

**3**

The majority of the world's inhabitants will live in an urban environment at the end of this decade. The urban environment contrasts sharply with environments that characterized human evolutionary history. This course considers the consequences of urbanization to human health and quality of life. Using popular and scholarly literature, other media, and guest lectures, students will survey the history of health and disease in relation to place. An emphasis will be placed on the role of the social environment in the production of disease and ask: How do human biology, evolution, history, and culture intersect with the social and physical environments to produce ill health? What characteristics of urbanization and urbanicity impact well-being? How can the social sciences help us explain disease patterns and promote health in an increasingly urban world? Instructional methods include didactic lectures, on-line assignments, reflection papers, and special projects.

### **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.

### **ANT3740: Introduction to Forensic Sciences**

**3**

This course is designed to introduce students to those scientific principles, techniques, methods, and technology that are regularly used for human identification. It will cover the latest in scientific data collection and analysis, including DNA fingerprinting, traditional fingerprinting, serology, toxicology, effects of ballistics on bodies, trace evidence, and forensic anthropology. The course will also explore methods of scientific data collection and handling, autopsies and cause-of-death determination, and processes of corpse decomposition. Throughout the course, students will engage in a

variety of hands-on projects in which they will apply the scientific techniques and methods that they learn to collect and interpret data. Students will also engage in discourse that will explore how these scientific methodologies articulate with modern American social and cultural ideals, values, and norms. (A material fee of \$7.20 will be assessed.)

### **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 cover 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.

**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.

**ANT4274: Political Anthropology** **3**

An anthropological examination of politics, including a cross-cultural comparison of political structures, leadership, factions, the politics of ethnicity and political change.

**ANT4331: (FC) People of the Andes** **3**

The geography, history, culture and current status of South American Andean peoples.

**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.

**ANT4362: (FC) Peoples and Cultures of Southeast Asia** **3**

This course acquaints the student with some of the peoples and cultures of Southeast Asia including foragers, farmers and urban populations. It examines prehistory of the region, the development of complex state societies, and the impact of world religions (Buddhism, Hinduism, and Islam) as well as European colonialism. It examines a number of key contemporary social and economic issues in the region, including deforestation, agrarian transformation, religious revitalization, and the changing status of women.

**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.

**ANT4451: Anthropology of Race** **3**

This course will introduce students to the uses and misuses of the concept of "race" from an anthropological perspective. Within the broad four-field approach of contemporary anthropology, "race" is recognized as a social construction with no biological validity. In this course, students will explore the concept as a social mechanism created during the eighteenth century and utilized to rationalize colonialism, resulting in enduring social hierarchies of inequality based on phenotypic differences.

**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.

**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.

**IDS3213: Introduction to the Metropolis** **3**

This course will introduce students to the field of urban and metropolitan studies from an interdisciplinary perspective. Students will become familiar with the distinct patterns, processes, and institutions of urban and metropolitan areas as understood by scholars in social sciences, humanities, engineering, education, and health. In addition, by reading central works in the field and interacting with scholars and practitioners working in urban environments, students will examine theoretical and methodological approaches to the metropolis as an object of study and as a site for applied work.

**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.

### **SOW4510: Practicum Seminar**

**1**

*Prerequisites:* SOW 3203, SOW 4302, SOW 4322

*Co-requisite:* SOW 4511 The Practicum Seminar is a co-requisite of the Community Agency Practicum. The purpose of the seminar is to provide students with a structured environment in which to engage in self-assessment regarding their ability to apply knowledge and skills acquired in the classroom to practice with clients. Students will also examine personal values and biases as they impact interactions with clients and co-workers and apply critical thinking and problem-solving skills to experiences and ethical dilemmas encountered in the practice setting. Tools for networking, navigating a bureaucratic environment, continuing one's professional education, and addressing burnout and compassion fatigue will be examined.

### **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.

**SOW4654: Social Work with Children and Adolescents** **3**

*Description:* The purpose of this course is to provide students with a foundation of generalist knowledge and skills for social work practice with children, adolescents, and their families in a variety of practice settings, including educational, medical, child welfare, juvenile justice, and mental health services. Prevention, intervention, and advocacy strategies will be critically examined from the strengths perspective, emphasizing research-informed practice and social work values.

**SOW4905: Directed Independent Study - Social Work** **v.**

**3-**

*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.

**6**

*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.

**SYA3300: Logic of Inquiry** **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.

**SYA3930: Junior Seminar** **3**

*Prerequisite:* SYG 2000 or equivalent. This course provides students majoring in

sociology an opportunity to systematically explore the discipline.

### **SYA3931: Special Topics in Sociology**

This course will cover variable topics in sociology. The course may be repeated for a total of 15 credits under different topics.

**v.  
2-  
5**

### **SYA4010: Sociological Theory**

*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.

**3**

### **SYA4654: Evaluation Research/Program Analysis**

*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.

**3**

### **SYA4900: Honors Project in Sociology**

*Prerequisite:* Admission into Honors in the Major in Sociology and permission of the instructor This course is for students who are enrolled in Honors in the Major in Sociology and wish to conduct an independent project in sociology with a faculty mentor. In consultation with their faculty mentor, students will select the content of the project which may take a variety of forms, such as an empirical research project or a community-based project. This course leads to completing an Honors Project and fulfills part of the requirement for graduating with the designation of Honors in Sociology. Course can be repeated once up to a maximum of 6 credit hours.

**v.  
3-  
6**

### **SYA4905: Directed Individual Study**

*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.

**v.  
2-  
6**

### **SYA4914: Sociological Research Experience**

*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.

**v.  
2-  
6**

### **SYA4930: Special Topics in Sociology**

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

**v.  
2-  
5**

members or by students, in consultation with department chairperson. May be repeated a total of 15 credits under different topics.

### **SYA4935: Senior Seminar**

**3**

The substantive focus of this seminar is chosen by the instructor, and allows students to collaborate on a specific research project. The course will combine readings and lectures on the chosen topic with an application of relevant sociological theories and methods to produce an original piece of sociological research.

### **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 Cultural Minorities**

**3**

An examination of selected racial, ethnic and religious subcultures with respect to past and present patterns of participation, minority-majority relations, maintenance patterns and consequences of prejudice and discrimination for American social life.

### **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.

**SYD4601: Community Organization, Change and Development** **3**

*Prerequisite:* SYG 2000 or equivalent. This course critically examines contemporary communities and neighborhoods in urban societies. The course examines community organizations, community power and leadership and alternative approaches designed to create community change and development.

**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.

**SYG2010: Social Problems** **3**

A study of social conditions and situations judged to be undesirable or intolerable by the members of society and to require group action toward constructive form.

**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.

**SYP4411: Sociology of War and Peace** **3**

This course will examine war, violence, and peace from sociological and cross-cultural perspective. The course will cover the core perspectives, ideas and analytical studies explaining the nature and causes of conflict and possibilities for its resolution. This course should provide students with a set of tools for analysis of contemporary civil and international conflict. Additionally, students will learn how to use evidence and theory effectively in explanation and argument about these conflicts.

**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

### Course Descriptions:

#### **CEG3011C: Geotechnical Engineering**

**4**

*Prerequisites:* CES 3104C, CWR 3201. 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. (A laboratory fee of \$35 will be assessed.)

#### **CEG3111: Foundation Engineering**

**3**

*Prerequisites:* CEG 3011C. This course is an introduction to geotechnical foundation engineering. The course emphasizes geotechnical conditions and their effect on the behavior, proportioning, and choice of foundation systems. Topics include site investigation techniques, factors of safety, and geotechnical design and analysis of shallow and deep foundations, rigid and flexible retaining structures, and braced excavations. (A material fee of \$30 will be assessed.)

#### **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. 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.

#### **CES3104C: Mechanics of Materials**

**3**

*Prerequisite:* C or better in EGN 3311 (Statics) or equivalent. 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. Hands-on Laboratory exercises are also included to investigate stress and strain. (A laboratory fee of \$30 will be assessed.)

### **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. 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. (A laboratory fee of \$30 will be assessed.)

### **CES4711: Prestressed Concrete**

**3**

*Prerequisite:* CES 4702C

*Co-requisite:* CES 4702C 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:* MAC2312

*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**

**3**

*Prerequisite:* CHM 2045C. This course offers knowledge, skills and national certification opportunities in the testing of traditional civil engineering materials. Students will learn to conduct standard laboratory tests, analyze the results, and properly report the data as required for civil engineering design and quality assurance/quality control purposes. (A laboratory fee of \$30 will be assessed.)

### **CGN3930: Special Topics in Civil Engineering**

**v.  
1-  
3**

*Prerequisites:* Junior 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.

### **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:* TTE 4004, CEG 3011C, and CES 4702C

*Co-requisite:* CWR 4202C

*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.)

**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. 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**

*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 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:* PHY 2048, PHY 2049, and MAC 2312

*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.

### **CWR4010: Field Methods**

**3**

*Prerequisite:* CGN 4931

*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.

### **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

vitaly 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.

**EGN3202: Computer Aided Engineering** **3**

This course covers the application of computer aided drafting (CAD) software, drafting format, and drafting techniques focused on Civil Engineering applications.

**EGN3311: Statics** **3**

Prerequisites: PHY 2048, PHY 2048L and MAC 2312. 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.

**EGN3613: Economics for Engineers** **2**

The course provides an introduction to the basic tools necessary for business decision-making and project evaluation. The course covers the determination of prices and costs, the time value of money, cash flow and present worth analysis, rates of return, the effects of inflation, depreciation and tax effects, breakeven and benefit-cost analysis.

**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**

Prerequisites: CHM2045C, PHY2049, PHY2049L. 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; STA 3032; EGN 3613. 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. 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.



# Undergraduate Courses

## Electrical Engineering

### Course Descriptions:

#### **EEE3308: Electronic Circuits I**

**3**

*Prerequisite:* EEL 3111. This course covers basic electronic design techniques. Topics include operational amplifiers, diodes and transistors characteristics and applications, and analysis and design of amplifiers. Computer-aided tools in the design and analysis of electronic circuits are used.

#### **EEE4309C: Electronic Circuits II**

**4**

*Prerequisite:* EEL 3303L, EEL 3304, 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. A laboratory is included.

*Course Fees:* \$75

#### **EEE4314L: Advanced Electronics**

**2**

*Prerequisite:* EEE 4309C

*Description:* This is a lab-oriented course that covers the applications of electronic devices and linear-digital integrated circuits in the design and verification of electronic instrumentation, systems and design projects. An advanced electronic design project is required.

*Course Fees:* \$75

#### **EEE4396: Solid State Electronic Devices**

**3**

*Prerequisite:* EEL 3304. Introduction to the principles of semiconductor electron device operation.

#### **EEL3111: Circuit Analysis I**

**3**

*Prerequisites:* PHY 2049, MAC 2313

*Co-requisite:* MAP 2302 This course covers basic analysis of direct current and alternating current electrical circuits. Topics include impedance, admittance, power, energy, network laws theorems, transient analysis, and steady-state analysis using phasors. The use of simulation to analyze electrical circuits is introduced.

#### **EEL3112: Circuit Analysis II**

**3**

*Prerequisites:* EEL3111 This course provides further AC and DC circuit analysis methods. Topics include power analysis, frequency response, and two-port networks. Fourier analysis, laplace transform, and their applications to circuit analysis are covered and a computer-aided tool is used.

**EEL3117L: Electrical Circuits Laboratory** **1**

*Co-requisite:* EEL 3112, EEL 3304.

*Description:* Laboratory experiments emphasizing electrical instrumentation, circuit-theory verification plus network analysis and design.

*Course Fees:* \$75

**EEL3135: Signals and Systems** **3**

*Prerequisites:* EEL 3112 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.

**EEL3211: Introduction to Electric Machines** **3**

*Prerequisites:* EEL 3111 This course reviews AC power and introduces the analysis of three-phase systems and the use of phasor analysis and per-unit analysis as it applies to the study of transformers and AC machines. The analysis, design, and construction of static devices such as simple magnetic circuits and power transformers are covered. The concepts governing rotating machines, such as DC brushless machines, AC induction machines, synchronous machines, and other specialized electric machines will also be covered.

**EEL3216: Introduction to Power Systems** **3**

*Prerequisite:* EEL 3111 This course includes the study of phasors, three-phase transmission systems, power transformers, transmission lines, power flows, and symmetrical and asymmetrical faults.

**EEL3472: Electromagnetic Fields and Applications** **3**

*Prerequisite:* EEL 3112, MAP 2302 or permission of the instructor. 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.

**EEL3701C: Introduction to Digital Systems** **4**

*Prerequisite:* A programming language.

*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. Laboratory is included.

*Course Fees:* \$75

**EEL4440: Optical Fiber Communications** **3**

*Prerequisites:* EEL 3472 Electromagnetic fields and applications or 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 This course introduces the theories of analog and digital communication systems. Topic includes modulation and demodulation, multiplexing,

spread spectrum, CDMA, communication link and wireless channels analysis. (A material fee of \$60 will be assessed.)

### **EEL4514L: Analog and Digital Communications Laboratory** **1**

*Prerequisite:* EEL 3135

*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

### **EEL4610: State-Space Control Systems** **3**

*Prerequisites:* EEL 4657C. 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 equations.

### **EEL4657C: Linear Control Systems** **4**

*Prerequisite:* EEL 3135 and EEL 4744C

*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-added analysis and design. Laboratory experiments include position and speed controls using proportional, PI, PD, and PID controllers.

*Course Fees:* \$75

### **EEL4712C: Digital Design** **4**

*Prerequisite:* EEL3701C and EEL3304

*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. Laboratory is included.

*Course Fees:* \$75

### **EEL4713: Digital Computer Architecture** **3**

*Prerequisite:* EEL 3701C. *Corequisite:* EEL 4713L. Modern computers are becoming highly integrated complex devices. To understand their complex architecture it is not possible to separate the hardware and the software. So much of the computer hardware design depends on what type of applications the use intends to run and especially the operating system. This senior level electrical engineering class is about computer architecture. To provide a focus to the course and some hands-on, in-depth practical experience, we will work closely with the Motorola MC68908GP32 Microcontroller and the MicroC/OS-II real-time kernel.

### **EEL4713L: Digital Computer Architecture Lab** **1**

*Prerequisite:* EEL 3701C

*Co-requisite:* EEL 4713

*Description:* This lab is to be taken with EEL 4713. We will systematically working with a professional grade C compiler to generate code for the HC08 microprocessor. We will also develop simple device drivers for our peripheral components. In the lab, each

student will construct a modern power supply and build a MicroOsprey08 computer using surface mount components. The MicroOsprey08 takes a daughter board and each student will design his or her own daughter board for interface for their class project. The class project will be a working computer with both hardware and software built by the student.

*Course Fees:* \$75

### **EEL4744C: Microcontroller Applications** **4**

*Prerequisite:* EEL 3701C

*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 Electronic Imaging** **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: Individual Study** **v.**

*Prerequisite:* Approval of supervising professor and chair. May be repeated up to 12 credits.

**1-3**

### **EEL4914: Senior Capstone Design I** **1**

*Prerequisite:* EGN 2009C, EEL 4744C, and EEE 4309C

*Description:* This course provides an introduction and study of the engineering design process in industry. Each student will select a design topic and prepare a project proposal including preliminary requirements and design approach. Additional activities include the preparation of a resume and a written assignment on ethics in the job environment. Intellectual property such as copyrights, trademarks, and patents is covered. A faculty advisor for Senior Design II must also be selected by the end of the semester.

*Course Fees:* \$75

**EEL4915: Senior Capstone Design II****3**

*Prerequisite:* EEL 4914.

*Description:* Students are responsible for completion of their engineering project that was initiated in the Design 1 course. Students are responsible for testing relative to original specifications, oral presentation of the project, and project documentation in the form of a project report.

*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.**

*Prerequisite:* Permission from instructor or department. Special courses covering selected topics in electrical engineering.

**1-  
4****EEL4949: Co-op Work Experience****v.**

*Prerequisite:* Six hours of Electrical Engineering course work. Acceptance in cooperative education program. Students will participate in practical co-op engineering work under approved supervision. Students may repeat this course for credit, up to a total of three semester hours.

**0-  
1****EGN3358: Applied Thermal Sciences****3**

*Prerequisite:* EGN 3311. This course is intended to introduce the student to the fundamental concepts of Thermal Sciences. The basic concepts of Thermodynamic, Fluid Mechanics, and Heat Transfer are explored drawing extensively from real-world examples. This course is not available for credit by Civil or Mechanical Engineering students.

# Undergraduate Courses

## Computing

### Course Descriptions:

#### **CAP4630: Introduction to Artificial Intelligence** **3**

*Prerequisite:* COP 3530 or COP 3538

*Description:* 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 included.

#### **CAP4770: Data Mining** **3**

*Prerequisites:* COP 4720 or COP 4710. 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:* COP 4720 Database Systems, CIS 4327 Info System Senior Project I  
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.

#### **CAP4831: Discrete Systems Modeling and Simulation** **3**

*Prerequisite:* COP 3530 or COP 3538 and STA 4321 or STA 2013

*Description:* Course topics include model building; queuing models; design of experiments; simulation techniques; utilization of probability density functions; pseudo-random number generation; simulation tools such as GPSS, SIMSCRIPT, and SLAM; interpretation of results; simulation animation; and continuous simulation.

#### **CDA3101: Introduction to Computer Hardware Organization** **4**

*Prerequisite:* COP 2551, COP2010 or COP 2220 , COT3100

*Description:* Course topics include Boolean algebra, switching theory, combinational and sequential circuits, design and minimization techniques, integrated circuits, SSI, MSI, LSI, arithmetic and logic chips, CPU organization, memory organization, and, microprocessors and logic design.

*Course Fees:* \$30

## **CDA4010: Human Factors and Collaborative Computing** **3**

*Prerequisite:* COP 3538 or COP 3855

*Description:* Human factors in computing deals with the effective interaction of people with computers, including the software and physical elements. Collaborative computing covers the client/server aspects of computer mediated communication.

## **CDA4102: Introduction to Computer Architecture** **3**

*Prerequisite:* CDA 3101

*Co-requisite:* CDA 4102L

*Description:* Course topics include computer taxonomy, description languages, conventional computer architecture, microprogramming, instruction sets, I/O techniques, memory, and survey of non-conventional architecture, as well as software interface.

## **CDA4102L: Introduction to Computer Architecture Laboratory** **1**

*Prerequisite:* CDA 3101

*Co-requisite:* CDA 4102

*Description:* This course contains the laboratory exercises to accompany CDA 4102 emphasizing computer architecture, microprocessing, instruction sets, I/O techniques, and memory using software interfaces. 3 hours of laboratory.

*Course Fees:* \$30

## **CEN4010: Software Engineering** **3**

*Prerequisite:* COP 4710 This course introduces students to fundamental Software Engineering concepts and current practices by covering software development activities associated with the entire software development lifecycle, including ethical and legal issues. Concepts and practices are applied through the collaborative, incremental, and iterative development of a comprehensive software system for a variety of hardware platforms and software clients, and with the support of professional integrated development environments, version control, and project tracking tools. Topics covered include, but are not limited to: software process models; domain modeling; model-driven development; elicitation and documentation of requirements; software architectures; design paradigms and patterns; project management, tracking, and release planning; collaborative development; testing, deployment, and maintenance; ethical and legal issues in Software Engineering.

## **CEN4535C: Development of Gaming and Mobile Applications** **4**

*Prerequisite:* CGS 4307 and COP 3538

*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.

**CEN4801: Systems Integration** **3**

Prerequisite: COP 4710 (or) CIS 4327 (or) CGS 4308 This course studies the process of integrating different systems and software applications by examining current and emerging trends, strategies, and techniques for developing systems integration solutions effectively. Example topics covered include, but are not limited to: systems interoperability issues and challenges, documenting integration requirements using business process models, designing integration solutions reusing patterns, and implementing integration solutions using advanced integration technologies. Students will extend course topics via programming assignments and other assigned activities.

**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.

**CGS1570: Microcomputer Application Software** **3**

*Description:* This course is an introduction to the fundamentals of personal computing and commonly used software applications for a PC. The course includes practical exercises using popular application software packages. Students may not receive credit for CGS1100 and also for CGS1570.

**CGS4307: Information Processing: An Organizational Perspective** **3**

Prerequisites: CGS 1100 or CGS 1570 or equivalent Students in this course will examine the organizational requirements of information processing in support of administrative decision processes. This involves the examination and use of information processing models in business to transform organizational memory into appropriate designs. Projects involving the use of information models applied to various application domains are required including the design of relational data models and their implementation using a relational database management system.

**CGS4308: Information Processing: Requirements Identification & Specification** **3**

*Prerequisite:* CGS 4307  
*Description:* Students in this course examine fundamentals for the development of information processing systems. Topics include requirements gathering, feasibility studies, software lifecycle overview, tools and equipment used by designers, and factors associated with successful systems.

**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.

### **CIS3255: Foundations of Leadership in Technology** **1**

Students examine through a series of seminars what makes an effective technical leader and how this might differ from other leadership styles. Students participate in activities to determine their current leadership style and how to develop desired leadership qualities, such as speaking and listening responsibly, creating visions, building community, generating support from others to make change, and strategies for promoting diversity.

### **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 3538

*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.

### **CIS4253: Legal and Ethical Issues in Computing** **3**

*Prerequisite:* COP 3530 or COP 3538

*Description:* This course provides a discussion of legal and ethical issues faced by computing professionals. These issues will be framed in terms of what it means to be a computing professional with topics such as responsibilities, ongoing professional development, and social involvement. The course will use the students' prior experiences in software development as a framework by demonstrating lecture concepts through coding examples and technical situations. State and national laws pertaining to computing will be presented. Students will be required to give and justify opinions about given computing situations. Students will also present an opinion to the class about one specific software development issue.

### **CIS4327: Information Systems Senior Project I** **3**

Prerequisites: COP 3855, and Prerequisite or Corequisite: COP 4720. First of a two course senior project on systems development with a significant laboratory component. Students will design a prototype information system in the context of the project team environment employing methodologies of a model software system life cycle including specification, analysis, and design.

### **CIS4328: Information Systems Senior Project II** **3**

*Prerequisite:* CIS 4327. The second in a two course senior project with a lecture and significant laboratory components. Students implement a prototype information system in the context of the project team environment employing the methodologies of a model software system life cycle. Capstone course for the Information Systems major.

### **CIS4360: General Computer Security Administration** **3**

*Prerequisite:* COP 3530 or COP 3538

*Description:* This course provides an introduction and overview of security issues for organizational and institutional computing. Physical software and computing system security will be discussed. Students will be required to perform introductory security analysis, write code to automate some security preparedness tasks, and set up a protection scheme for a simple PC computer.

### **CIS4362: Computer Cryptography**

**3**

*Prerequisite:* (COP 3530 or COP 3538) and COT 3100

*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: Information Systems Intrusion Detection**

**3**

*Prerequisites:* CIS 4360, COP 4640 This course covers internal and external computer security breaches, how to avoid them, and what actions to take if they are discovered. Students will use and develop software to detect intrusions and protect the computer systems from intrusions.

### **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, COP 4640 Topics in this course will include computer system data recovery with a particular emphasis on computer evidence handling and computer crime detection. Students will be required to recover data from computers that may have been involved in computer crimes. 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.

### **CIS4593: Gaming and Mobile Apps Capstone I**

**3**

*Prerequisites:* CEN 4535C and CNT 4514C This is the first of a sequence of two courses where students will have the opportunity to analyze, implement, and deploy complex software systems as enterprise mobile applications, as computer games, and as an appropriate combination of both.

### **CIS4594: Gaming and Mobile Apps Capstone II**

**3**

*Prerequisites:* CIS 4593 This is the second of a sequence of two courses where students will have the opportunity to analyze, implement, and deploy complex software systems as enterprise mobile applications, as computer games, and as an appropriate combination of both.

### **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 3538

*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.

### **CIS4850C: Introduction to Spatial Information Systems** 4

*Prerequisite:* COP 3538

*Description:* This course is an introduction to Spatial Information Systems (SIS): the technology of acquiring, managing, analyzing, and displaying information in a spatial context. The course focuses on the unique technical and institutional issues associated with designing and implementing a spatially-enabled Information Technology infrastructure in a public or private enterprise. The participants will get hands-on experience with industry-standard technology including: Geographic Information System (GIS) software, and Global Positioning System (GPS) hardware and software. A series of structured practical exercises provide a pathway to understanding how fundamental spatial theory and principles become relevant in the context of developing practical applications using these technologies.

### **CIS4851C: Advanced Spatial Information Systems** 4

*Prerequisite:* CIS 4850C Introduction to Spatial Information Systems This course will provide participants with advanced knowledge of spatial principles and professional practices related to enterprise-scale Spatial Information Systems (SIS) and specialized applications that utilize SIS technology. The course will explore how SIS technology can be integrated with other technologies to create new business process models. The laboratory component will provide participants with the advanced technical skills needed to be able to design and implement Spatial Information Systems (SIS) and develop applications that utilize SIS technology. The course will give participants a "hands on" opportunity to explore how SIS technology can be integrated other technologies such as mobile computing, the web, and wireless communications.

### **CIS4861: Spatial Information Systems Administration** 3

*Prerequisite:* CIS 4851C Advanced Spatial Information Systems,

*Co-requisite:* CIS 4893 Spatial Information Systems Capstone Project I This course will provide the participants with the advanced knowledge of the professional practices needed to be able to administer enterprise-scale Spatial Information Systems (SIS) and to manage the development and implementation of specialized applications that utilize SIS technology as a component. The course will utilize guest lectures by SIS professionals to present case studies of professional practices. Participants will work in groups to execute a series of peer-reviewed assignments in which each group develops the requirements for development of a SIS application, a competitive professional proposal, and a SIS business plan.

### **CIS4893: Spatial Information Systems Capstone Project I** 1

*Prerequisite:* CIS 4851C Advanced Spatial Information Systems,

*Co-requisite:* CIS 4861 Spatial Information Systems Administration This is the first capstone course for the Spatial Information Systems Concentration in the Information Technology program. The course is intended to provide the participants with a structured learning environment for each student (or approved group of students) to develop a senior capstone project proposal. Each student (or group) will make a draft and a final proposal presentation to the class, and submit a final written proposal for approval by the instructor. A senior capstone project proposal must be approved by the instructor prior to enrollment in the Spatial Information Systems Capstone II course.

### **CIS4894: Spatial Information Systems Capstone Project II** **3**

*Prerequisite:* CIS 4893 Spatial Information Systems Capstone I or permission of instructor This is the second capstone course for the Spatial Information Systems (SIS) Concentration in the Information Technology program. The course is intended to provide the participants with a structured learning environment for each student (or approved group of students) to complete a senior capstone project, which will be based on the final written proposal approved previously by the instructor in the SIS Capstone I course. A senior capstone project proposal must be approved by the instructor prior to enrollment in the Spatial Information Systems Capstone II course. The student (group) will submit a written final report and present an oral presentation on the project.

### **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) Honors Research in Computer and Information Sciences** **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:* This course is reserved for senior level students. 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.

### **CNT4406: Network Security and Management** **3**

*Prerequisites:* CNT 4504 Computer Networks and Distributed Processing In this course, students will examine network security and issues related to managing a secure system. They will explain the use of cryptographic algorithms in such systems. Students will discuss the various forms of attacks, determine ways to detect these attacks, and develop defenses against such attacks.

### **CNT4504: Computer Networks and Distributed Processing** **3**

*Prerequisite:* COP 3530 or COP 3538

*Description:* In this course, students will study architectures, protocols, and layers in

distributed communication networks, and develop client-server applications. Topics include the OSI and TCP/IP models, transmission fundamentals, flow and error control, switching and routing, local and wide-area networks, wireless networks, and client-server models. Students will extend course topics via programming assignments, library assignments, and other requirements.

### **CNT4514C: Wireless Networks and Mobile Computing** **4**

*Prerequisite:* CGS 4307 and COP 3538

*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.

### **COP2010: Introduction to Visual and Procedural Programming** **3**

*Prerequisite or*

*Co-requisite:* CGS 1570 This course provides an introduction to the fundamentals of visual programming as well as procedural language structure and capabilities. Students learn about visual programming development, including problem definition, problem solving and algorithms, procedures, controls, arrays, structures, coding, visual interface design, testing, and debugging.

### **COP2220: Computer Science I** **3**

This course provides an introduction to the programming process. Topics in the course include types, operations, expressions, control flow, I/O, functions, program structure, software design techniques, and problem solving. Course concepts are reinforced with many programming projects throughout the term in the C programming language.

### **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** **4**

*Prerequisite:* COP 3503

*Description:* Course topics include computer structure, machine language, instruction execution, addressing techniques, system and utility programs, and programming techniques, as well as assemblers and macroprocessors.

### **COP3503: Computer Science II** **3**

*Prerequisite:* COP 2220, MAC 2311, and (COT 3100 or EEL 3701C)

*Co-requisite:* COT 3100 or EEL 3701C

*Description:* This course serves as a continuation to Computer Science I. 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 dequeues. 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** **4**

*Prerequisites:* COP3503. 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 programming projects using both procedural and object-oriented languages.

### **COP3538: Data Structures Using OOP** **4**

*Prerequisite:* COP 2551. *Prerequisite or Corequisite:* COT 3100. As a continuation of OO programming, this course addresses linear and non-linear data structures and techniques. Topics include stacks, queues, trees, indexing techniques, multikey structures, recursion, sorting and searching, hashing, and hash overflow techniques.

### **COP3543: Enterprise Computing** **4**

*Prerequisite:* COP 3538

*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.

### **COP3855: Web Access and System Design** **4**

*Prerequisite:* COP 2010. *Prerequisite or co-requisite:* COT 3100 Students learn about the influence of E-Business, local and global transaction processing, Internet, web design and development, and Electronic Data Interchange on information systems.

After an introduction to the basic concepts of relational database systems, students will practice connectivity to a database to retrieve information. The course includes a design and implementation project involving a database in the Web environment.

### **COP4610: Operating Systems** **3**

*Prerequisite:* STA 4321, 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** **4**

*Prerequisite:* COT 3210, COP 3404, and COP 3530

*Description:* 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.

### **COP4640: Operating Systems Environments and Administration** **3**

*Prerequisite:* COP 3538

*Description:* This course is an introduction to operating systems from an applied point of view. Topics include operating systems configuration, characteristics, and evaluations. Laboratory exercises require students to develop and maintain a multiuser operating system, develop custom system utilities, and evaluate different operating systems configurations.

### **COP4710: Data Modeling** **3**

*Prerequisite:* COT 3210 and COP 3530

*Description:* This course studies dynamic storage management, compression, data abstraction, data models (hierarchical, network, relational), query languages, concurrency and security, grammatical validation and standards. Schema design methodologies and evaluation including object oriented, semantic, functional, entity-relationship data models, CASE tools, and SQL engine design are also covered.

### **COP4720: Database Systems** **3**

*Prerequisite:* COP 3855 and COP 3538

*Description:* After an overview of database history, students learn about entity relationships and design processes. Databases are studied with a concentration on relational concepts, Structured Query Language, Data Definition Language, and Data Manipulation Language. Issues of redundancy, normalization, optimization, and concurrency control are examined. The combination of theoretical concepts and practical experiences will provide students with a fundamental knowledge of concepts, principles, and techniques for the analysis, design, implementation, utilization, and documentation involved in the development of database systems.

### **COP4722: Database Systems II** **3**

*Prerequisite:* COP 4720. This course examines logical and physical database design, SQL utilization of query language, and CASE design tool for database management system implementation. Other areas of study include client/server system, multi-user databases, DBMS software interfaces, basic database administrator responsibilities, permissions, locking, releasing, granting, and revoking database objects.



## **COP4723: Database Administration** **4**

*Prerequisite:* COP 4720 Database Systems The Database Administration course is designed for students who have a general background in databases, applications, and database design as well as an interest in learning how a major database can be installed and managed. The course supports standard database administration knowledge, management of the database, client/server environment, monitoring multiple databases, backup and recovery, database memory and space management, partitioning, use of diagnostic tools, and new techniques in database administration.

## **COP4813: Internet Programming** **3**

*Prerequisite:* (COP 4720 or COP 4710) or (CGS 4307 and COP 3538)

*Co-requisite:* COP 4720 or COP 4710

*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 Internet security. Students will extend course topics via programming assignments, library assignments and other assigned activities.

## **COT3100: Computational Structures** **3**

*Prerequisite:* MAC 2311 or MAC 2233

*Description:* This course covers the applications of finite mathematics to CIS. Topics include sets, relations, functions, and number theory; algebraic and combinatorial structures; applications of graphs; Boolean algebra and switching theory, and logic.

## **COT3210: Computability and Automata** **3**

*Prerequisite:* COT 3100 and COP 3503

*Description:* This course covers applications of automata and language theory to CIS. Topics include finite automata and regular expressions; formal languages and syntactic analysis; pushdown automata and Turing machines; and undecidability 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: Analysis of Algorithms** **3**

*Prerequisite:* COP 3530

*Description:* Course topics include analysis of various algorithm design strategies, divide-and-conquer, greedy method, backtracking, branch-and-bound, lower bound theory, and NP-hard and NP-complete.

## **COT4461: Computational Biology** **3**

*Prerequisite:* COP 3530 or COP 3538; 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.

### **COT4470: Introduction to Music Informatics**

**3**

*Prerequisite:* COP 3530 or COP 3538 AND STA 2023 or STA 4321

*Description:* This course studies computer algorithms and technologies used in music analysis, synthesis, and processing. Topics include, but are not limited to: music signal processing, knowledge representation in digital music, interactive systems for music learning and composing, music emotion recognition and automatic music recommender systems. This course demonstrates how computing and engineering concepts, including programming, algorithms, data structures, algebra, probability/statistics, and signal processing, are applied to digital music research. The class includes weekly readings of contemporary scientific literature in the field of computational music research, project presentations, in-class discussions, and hands-on assignments. Students complete a final project in which they create software systems to improve everyday musical experiences via the use of computer technologies.

### **COT4560: Applied Graph Theory**

**3**

*Prerequisite:* COT 3100 and (COP 3530 or COP 3538)

*Description:* Students in this course will study classical graph theory, its applications in computing and modeling real-world phenomena, and graph algorithms.

# Undergraduate Courses

## Mechanical Engineering

### Course Descriptions:

#### **EGN1001C: Introduction to Engineering I** **2**

*Prerequisite:* MAC 1147 or equivalent

*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

#### **EGN2009C: Introduction to Engineering II** **2**

*Prerequisite:* EGN 1001C

*Description:* This course is a continuation of Introduction to Engineering I. The purpose of this course is to introduce potential engineering students to the tools that will be utilized to solve problems in civil, electrical, and mechanical engineering. The course will introduce the student to the application of mathematical principles to the solution of engineering problems. Computer methods will be introduced to solve mathematical systems. One lecture hour, two hours of lab each week.

*Course Fees:* \$40

#### **EGN3203: Modern Computational Methods** **3**

*Prerequisite:* MAP 2302. This course covers computational methods commonly used in engineering practice. An engineering analysis software package is used extensively in the study of algorithms and engineering numerical analysis.

#### **EGN3321: Dynamics** **3**

*Prerequisites:* EGN 3311, MAC 2313, PHY 2049, and PHY 2049L. 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.

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**EGN4042: Problem Solving and Continuous Improvement Methods for Engineers** **3**

*Prerequisite:* EGN 2009C 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.

**EMA3010: Introduction to Materials Science and Engineering** **3**

*Prerequisite:* CHM 2045 and CHM 2045L

*Description:* This course covers the fundamentals of materials science. The course has lecture and hands-on laboratory components. Topics covered include the structure of metals, ceramics and polymers, mechanical behaviors of materials and phase transformation in metals.

**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.

**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.

**EML3015: Fluids I** **3**

*Prerequisite:* EGN 3311. *Corequisite:* EGN 3321. 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**

*Prerequisites:* CHM 2045C, PHY 2049, PHY 2049L, and MAP 2302. 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. This course is a continuation of EML3100, Thermodynamics I. In this course, students will consider concepts associated with power and refrigeration systems, gas mixtures, chemical reactions and equilibrium, irreversibility and

availability, and an introduction to compressibility.

### **EML3535C: Modern Engineering CAD** **2**

Prerequisites: Acceptance into an engineering program or permission of the instructor. This course covers fundamentals of engineering graphics including drafting, dimensioning, tolerancing, and exposure to computer aided design software. (A laboratory fee of \$40 will be assessed.)

### **EML3553: Project Engineering I** **3**

Prerequisites: Admissions to Mechanical Engineering program. This course provides an overview of project organization, team formations and operations involving matrix teams and an overview of 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 will make oral and written presentations.

### **EML4004L: Energy Systems Laboratory** **1**

Prerequisites: EML 3015, EML 4140. The application of mechanical engineering concepts and devices will be performed in this laboratory to include incompressible flows, heat transfer concepts, and thermal systems. (A laboratory fee of \$40 will be assessed.)

### **EML4024: Advanced Solid Modeling** **3**

This course provides an introduction to real-life solid modeling, including parametric design, geometric constraints and assembly of components. Geometric interference checks of an assembly and part optimization are also covered.

### **EML4126: Transport Phenomena** **3**

Prerequisites: EML 3015, EML 4140. 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**

Prerequisites: EML 3100 and EML 3015. 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, convection, and radiation will be covered, and analysis tools will be employed in the topics presented.

### **EML4301L: Mechanical Systems Laboratory** **1**

*Prerequisite:* EML 4312. This course of study designs and conducts experiments in mechanical systems engineering. Hands-on experience and knowledge of instrumentation hardware and software is integrated into the experiments. Experimental procedures, measurement of physical parameters, data collection, and analysis and interpretation of data are emphasized in experiments involving dynamic mechanical systems with requisite understanding at the senior level of mechanical engineering. (A laboratory fee of \$40 will be assessed.)

## **EML4304L: Fluid Mechanics Lab**

**1**

Prerequisites: EML 3100, EML 3015.

*Co-requisite:* EML 4140. This laboratory course is designed to provide insight and experience into the fundamental principles taught in core thermal science lecture courses. These principles include internal and external viscous flow, pump parameters and sizing, choked flow analysis, and heat exchanger analysis. (A laboratory fee of \$40 will be assessed.)

## **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.

*Course Fees:* \$40

## **EML4313: Control of Machinery**

**3**

*Prerequisite:* EML 4312. 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. (A material fee of \$40 will be assessed.)

## **EML4320C: Integrated Design and Manufacturing**

**3**

*Prerequisite:* EML 3535C and EGN 3331.

*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

## **EML4414: Heat Power Engineering**

**3**

Prerequisites: EML 3100, EML 3015, and EML 4140. In this course an application of the principles of Thermodynamics and transport phenomena to the analysis of thermal power systems will be presented.

## **EML4501: Machine Design**

**3**

Prerequisites: EGN 3331. 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.

## **EML4507: Finite Element Modeling and Analysis**

**3**

Prerequisites: EGN 3331, EGN 3203 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. (A material fee of \$40 will

be assessed.)

### **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**

**1**

Prerequisites: EGN 2009C and EML 3015 and EGN 3331. Senior standing and consent of Department.

*Description:* This course is the first part of a two-semester design project. Students select partners, select an advisor, define the problem statement of their design project, and develop a plan of implementation and solution. Finally, students submit a preliminary report and give an oral presentation about the projects.

*Course Fees:* \$40

### **EML4552: Senior Capstone Design II**

**3**

*Prerequisite:* EML 4551.

*Description:* This course is the second part of a two-semester design project. Students are to proceed with the design project according to the plan developed in EML 4551. 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 their final design.

*Course Fees:* \$100

### **EML4601: HVAC Systems**

**3**

Prerequisites: EML 3100, EML 3015, and EML 4140. In this course the design and analysis of heating, ventilation, and air conditioning systems in a wide variety of applications will be studied.

### **EML4622: Clean and Renewable Energy Technology**

**3**

PREREQ: EML 3100; COREQ: EML 3015, EML 4140. 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.

### **EML4804: Mechatronics**

**3**

*Prerequisite:* EML 4312 and EEL 3003.

*Description:* Computer integration of electro-mechanical systems is studied. Actuators, sensors, interfacing, computer hardware and software components are studied at the component level from which integrated design and control hands-on projects in mechatronics systems are implemented.

*Course Fees:* \$75

### **EML4806: Robotics Engineering I**

**3**

*Prerequisite:* EML 3321. Students will study robot manipulator kinematics, dynamics, and control. Topics are augmented using computer graphics tools and laboratory experiments with robot manipulators. (A material fee of \$40 will be assessed.)

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**EML4905: Directed Individual Study**

Prerequisites: Approval by sponsoring professor and director of engineering. 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.

**v.**  
**1-**  
**3**

**EML4930: Special Topics in Mechanical Engineering**

*Prerequisite:* Senior standing and consent of instructor or department. 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.

**v.**  
**1-**  
**3**

**EML4949: Co-op Work Experience**

Students will participate in practical co-op engineering work under industrial supervision. Students may repeat this course for credit, up to a total of three semester hours.

**v.**  
**0-**  
**1**

# Undergraduate Courses

## Construction Management

### Course Descriptions:

#### **BCN1210C: Construction Materials**

**3**

*Prerequisite:* Declared Building Construction majors only

*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.

#### **BCN2280: Surveying: Construction Layout**

**3**

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. 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.

#### **BCN3223: Soils and Foundations**

**3**

*Prerequisite:* All program prerequisites should be completed prior to taking this course.

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:* BCN 3223. 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.

### **BCN3611C: Construction Cost Estimating** **3**

*Prerequisites:* All program prerequisites should be completed prior to taking this course. Principles and practices in making quantity surveys and labor estimates for construction projects. (Basic Estimating and Residential)

### **BCN3762: Building Construction Design and Codes** **3**

*Prerequisite:* All lower level program prerequisites 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.

### **BCN3782: Introduction to Construction Computing** **3**

*Prerequisite:* CGS 1100 or CGS 1570. 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.

### **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.

### **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 must be taken prior to enrolling in this course. 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 lower level program prerequisites  
*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. 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:*All program prerequisites should be completed prior to taking this course. A study of the legal and protective documentation used in the construction field. These documents include contracts, specifications, insurance and bonds.

### **BCN4709: Construction Project Management Capstone** **3**

*Corequisite:* BCN 4931 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**

*Prerequisites:* 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:* All program prerequisites should be completed prior to taking this course. 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 10 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 in 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 Administration and Economics** **3**

*Prerequisite:* All lower level program prerequisites Nature of construction costs, funding

sources and arrangements, capital requirements, bonding, insurance, risk and contingency evaluation, general office operations, and bidding procedure.

**BCN4759: Construction Finance and Cost Controls** **3**

*Prerequisite:* All program prerequisites should be completed prior to taking this course. 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. They 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.

**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.

**BCN4801C: Industrial Construction** **3**

*Prerequisites:* All Program Prerequisites should be completed prior to taking this course. This is an elective class for students preparing for careers in industrial construction. Key aspects of industrial construction practices are examined including project management, strategic bidding and estimating, ethical conduct, project delivery methods, value engineering, design/build, customer relations and communications.

**BCN4870C: Heavy Civil Construction I** **3**

*Prerequisites:* BCN 3223, BCN 3611C This is the first course in a two-course elective track for students preparing for careers in heavy civil construction. Students learn a broad perspective of the technical knowledge and skill or methods related to heavy civil construction projects, including bridges, highways, tunnels, pump stations, dams and underground utilities. This course prepares students to apply the latest heavy civil construction technologies.

**BCN4871C: Commercial Construction** **3**

*Prerequisite:* BCN 3223, BCN 3611C This course will examine topics in the field of Commercial Construction. Topics covered will include project management of commercial projects, ethical conduct, project delivery methods, value engineering, customer relations, communications, software for commercial construction, time/cost controls, jobsite layout and control, subcontracting and purchasing, changes and claims, progress payments, project closeout processes, computerized project administration, submittals and shop drawings, documentation and record keeping, meetings, negotiations, and dispute resolution.

**BCN4900: Directed Individual Study** **v.**

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.

**1-3**

**BCN4930: Special Topics: Building Construction****3**

This course covers topics of current interests in the construction industry. Topics or focus may vary from semester to semester. This course may be repeated up to 12 credits hours with a change in course content.

**BCN4931: Seminars: Construction Management****v.  
1-  
3**

*Prerequisite:* Permission of instructor *Corequisite:* BCN 4709 This course offers advance study within an area of specialization designed for the individual who desires a field of concentration. The course focuses on new information and technology in the construction industry. This course may be repeated when the subject matter is different for a maximum of ten credit hours.

**BCN4944: Construction Management Internship****3**

*Prerequisite:* BCN 3611C and permission of instructor. 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

## Foundations and Secondary Education

### Course Descriptions:

#### **APK3110C: Physiology of Exercise**

**3**

*Prerequisite:* BSC 2085C

*Description:* A study of the physiological bases of physical activity, with emphasis given to the specific effects of exercise on body function, health related fitness and sports performance.

#### **ARE4316: Art Education in Elementary Schools**

**3**

*Prerequisite:* EDG 3323 and EDF 4444. An in-depth examination of art education programs and resources, grades K-6. This course, designed for art education majors, focuses on skills development in planning, teaching and evaluating sequential learning experiences in the making of art, art criticism, art history and aesthetics at the elementary level.

#### **ARE4341: Art Education in Secondary Schools: An Inquiry**

**3**

*Prerequisites:* EDG 3323, EDF 4444 and ARE 4316. An investigation of junior high/middle school and high school art education programs and resources, grades 6-12. The course emphasizes skills development in planning, teaching and evaluating learning experiences in art studio, art criticism, art history and aesthetics and the development of a personal philosophy of art education.

#### **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.

#### **ARE4356: Teaching Aesthetics, Criticism, and Art History in K-12**

**3**

The course is designed to provide pre-service art teachers with the knowledge, skills, and dispositions needed to design and teach Aesthetics, Art Criticism, and Art History in K-12 classrooms. Participants will review literature on teaching aesthetics, criticism, and art history in K-12 classrooms and develop skills in designing art learned experiences in the three disciplines in those settings. The course will require visits to local and regional art museums and galleries within reach of the participants' own residential locations.

#### **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.

### **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.

### **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.

### **EDG4205: Middle School Philosophy/Curriculum**

**3**

An introduction to current and emerging trends that are shaping curriculum development and instructional practices in today's middle schools. The course also examines the philosophical underpinnings of the middle school movement and its emphasis on the in-between-ager. Topics include: the development of young adolescents; the middle school movement; the curriculum for learners in the middle grades; effective instruction in the middle grades; classroom management and discipline; interdisciplinary team organizations; the advisory role; evaluation; and grouping. Includes observation/participation in appropriate settings.

**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.

**ESE4905: Individual Study and Research** **v.**

*Prerequisite:* Consent of division chairperson. May be repeated up to 36 credits.

**1-3**

**ESE4943: Student Internship** **v.**

*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

**1-12**

**ETG3949: Experimental Study/Technology** **v.**

*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.

**0-3**

**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.

**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.

**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** **4**

*Prerequisites:* EDF 3945, EDG 3323 An examination of the instructional methods, materials, and curriculum for teaching secondary level mathematics. Offered fall term only.

**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).

**PEL1211: Softball** **1**

Introduction to the basic skills, strategies and rules of softball.

**PEL1321: Volleyball** **1**

Skill technique and game strategy instruction with performance in volleyball.

**PEL1341: Tennis** **1**

Skill technique and game strategy instruction with performance in tennis.

**PEL1441: Raquetball** **1**

The course provides for instruction and practice to learn/improve basic racquetball skills as well as knowledge of the strategies and rules for racquetball.

**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.**

An introduction to the basic skills and strategies utilized in selected individual/dual and team sports. May be repeated up to 16 credits.

**1-3**

**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.

**PEN1121: Beginning Swimming** **1**

Basic swimming stroke and water safety instruction and performance.

**PEN1231: Basic Sailing** **1**

The course provides for instruction and practice to learn/improve basic skills in sailing small craft.

**PEN2172: Fitness Swimming** **1**

*Prerequisite:* PEN 2122. Instruction in health-related fitness prescription and evaluation with performance and personal assessment in swimming or aquatic exercise.

**PEO2004: Theory and Practice in Coaching** **3**

A study of research based principles and methods used to coach individual and team sports.



**PEO3007: Selected Coaching: Variable Titles** **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 a selected team or individual/dual sport. May be repeated up to 16 credits.

**PEO3106: Fitness Education for Children and Adolescents** **3**

The course involves a study of developmentally appropriate content and methods used to teach fitness knowledge and develop/assess health-related physical fitness in schools and youth agencies.

**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.

**PET3311: Kinesiology and Motor Behavior** **3**

*Prerequisite:* BSC 2085C. An integrated study of three movement disciplines including: principles and assessment in motor development, skill acquisition theory/strategies in motor learning, and applied human movement focusing on musculo-skeletal actions and mechanical principles/movement patterns related to sport skills.

**PET3434: Teaching Movement Skills to Children** **3**

The course involves a study of developmentally appropriate content and methods used to teach fundamental movement skills plus game, body management, and rhythm/dance activities to children 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.

**PET3641: Curriculum and Methods in K-12 and Adapted Physical Education** **3**

The course involves a study of planning curriculum and providing instruction in K-12 physical education and adapted physical education programs.

**PET3820: Teaching Sport Skills to Adolescents** **3**

This course involves a study of developmentally appropriate content and methods used to teach skills, learning activities, and strategies for team, individual, and dual sports to adolescents in schools and youth agencies.

**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.

**PET4910: Directed Individual Study** **v.**

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.

**1-3**

**RED3333: Content Area Reading** **3**

Exploration of content area reading problems and investigation of various solutions. The reading process, approaches, skills, and materials used in secondary reading instruction are studied.

**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.

**SSE4384: Special Methods: Social Studies** **4**

Prerequisites: EDF 3945, EDG 3323 An examination of the instructional methods, materials, and curriculum for teaching secondary level social studies. For other content prerequisites, see special methods course prerequisites secondary majors. Offered fall term only.

# Undergraduate Courses

## Education and Human Services

### Course Descriptions:

<b>EDE4943: Practicum II: Student Internship</b>	<b>12</b>
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*Prerequisite:* Pre-Kindergarten/Primary students only, 60 volunteer service hours.  
*Description:* Completion of requirements prescribed in Internship handbook, available in the Office of Field Experiences. 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.  
*Course Fees:* \$36

<b>EDF3945: Field Laboratory I</b>	<b>v. 2- 4</b>
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*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.

<b>EDF3946: Field Laboratory II</b>	<b>v. 2- 4</b>
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*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.

<b>EDG2931: Special Topics</b>	<b>v. 1- 3</b>
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Variable title and hours.

<b>PET4945L: Student Teaching</b>	<b>12</b>
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*Prerequisite:* Completion of all Core I and Core II requirements.  
*Description:* Designed as a culminating experience which allows the student the opportunity to teach under the supervision of a master teacher.  
*Course Fees:* \$36

# Undergraduate Courses

## Leadership, School Counseling and Sport Management

### Course Descriptions:

#### **EME2040: Introduction to Technology for Educators** **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.

#### **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.

#### **LDR3003: Introduction to Leadership** **3**

*Description:* This 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 in order to make connections between class work and their own leadership roles in their communities.

#### **LDR3320: Collaborative Leadership** **3**

*Prerequisite:* LDR 3003

*Description:* The focus of this class is on leadership within the context of small work groups and self-directed project teams and their role and functions within community organizations. The course is designed to provide students with the knowledge and skills necessary to function as an effective team member and leader, to promote the development of an understanding of the role(s) of work groups/teams within the community organization, and to introduce students to group/team leadership theories and research and their implications for the broader context of leadership in culturally diverse settings. A community based learning experience is required.

#### **LDR4263: Community Leadership Practicum** **3**

*Prerequisite:* LDR 3003, LDR 3320

*Description:* The course is designed to provide students with experiences that take them outside the walls of the classroom and into community settings, thus allowing students to deepen their leadership knowledge and translate it into practice while directly applying leadership skills in hands-on activities.

### **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.

### **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.

### **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.

### **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.

### **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 this practicum provides students a supervised, structural field experience in an on-campus or community setting to assist in the acquisition of sport leadership organization and administration skills.

### **SPM4941: Sport Management Internship**

**12**

Designed as a culminating experience which allows the student to apply leadership skills in an on-campus or community setting in sport leadership. A valid First Aid/CPR card must be held by interns for the entire internship.

# Undergraduate Courses

## Exceptional, Deaf and Interpreter Education

### Course Descriptions:

#### **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**

*Prerequisites:* ASL 2140 ASL I with a grade of "C" or better. 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.

**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.

**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.



**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.

**EEX3202: Psychology and Sociology of the Exceptional Learner 3**

*Prerequisite:* EDF 2085. Advanced study in the psychology and sociology of exceptional learners. The course examines exceptional learners in terms of their cognitive, affective and psychomotor characteristics and their functioning within families, schools and society.

**EEX3250: Reading Methods for Learners with Exceptionalities 3**

*Prerequisite and Corequisite:* EEX 3202, EEX 4101, EEX 3252 or its equivalent 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.

**EEX3251: Mathematics Methods for Learners with Exceptionalities 3**

This course focuses on mathematics teaching methods for learners with exceptionalities, grades K-12. Standards-based lessons with accommodations for learning differences are emphasized. Differentiated teaching methodology is stressed. Adaptations of content, assessment and alternative instructional strategies are explored in this course.

**EEX3252: Language Arts for Exceptional Learners 3**

This language arts methods course focuses on the assessment and development of written expression, handwriting, and spelling for exceptional learners. 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.

**EEX4067: Affective and Functional Living Skills for 3**

## Students with Exceptionalities

Prerequisites: EEX 3202, EEX 4255, and EEX 4221 This course focuses on understanding and applying proactive strategies in the areas of (a) communication, (b) functional living and academic skills, and (c) behavioral, social, and affective growth when teaching children with a range of exceptionalities. Emphasis will be on strategies for dealing with learners with learning disabilities, emotional and behavioral disorders and developmental disabilities. Strategies for dealing with the diverse learning needs of students with English as a second language is also included.

### **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:* EEX 2010 or EEX 3202 and *Corequisite* EEX 3202 or its equivalent This course addresses curriculum-based and related assessment processes and procedures for learners with special needs. The course includes special emphasis on classroom testing and evaluation strategies.

### **EEX4253: Literacy and Academic Strategies for Students with Varying Exceptionalities**

**3**

Prerequisites: EEX 3202, EEX 4255, and EEX 4221. This course addresses instructional strategies for teaching students with varying exceptionalities, including, specific learning disabilities, emotional handicaps and mental handicaps. Throughout the course, specialized approaches to teaching basic literacy skills, metacognitive skills, and adaptation of curriculum and materials at the secondary level are explored. Field experience required.

### **EEX4255: Curriculum and Instruction for Learners with Exceptionalities**

**3**

Prerequisites: EEX 3202 and EEX 4221 *Corequisites:* EEX 3202 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.

### **EEX4281: Social, Personal, and Career Skills for Learners with Exceptionalities**

**3**

Pre-requisite: EEX 3202

*Co-requisite:* EEX 3202 This course covers methods of teaching social and personal skills for exceptional students. Emphasis is placed on employability skills, career awareness, and transition planning for adult living.

**EEX4474: Teaching Students with Moderate to Severe Disabilities** **3**

*Prerequisite:* EEX 3202 This course is designed to introduce students to instructional approaches and strategies for students with moderate to severe disabilities.

**EEX4484: Math and Science for Learners with Exceptionalities** **3**

*Prerequisite:* EEX 3202 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.

**EEX4604: Behavior Management and Research: Learners with Exceptionalities** **3**

This course is designed to prepare teachers to manage the behaviors of children with exceptionalities through the process of action research. Students will learn how to identify social or academic behaviors for change, record baseline measures, assess antecedents, conduct a literature review, select and implement an intervention, record and graph progress, evaluate and analyze behavior change, and report findings to peers. Field experience is required.

**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.

**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**

*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

**v.  
3-  
12**

### **EEX4905: Individual Investigation and Study**

*Prerequisite:* Permission required. A course which permits the student to investigate selected topics in a specialized area. May be repeated up to 15 credits.

**v.  
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3**

### **EEX4930: Seminar in Exceptional Student Education**

*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.

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3**

### **EHD4245: Language Development Deaf/Hard of Hearing**

*Prerequisites:* EEX 4101 & EHD 4311. This course will provide an introduction to the development of language in children who are deaf or hard of hearing, and the effects of hearing loss on the development of English. Field experience is required.

**3**

### **EHD4248: Foundation of Literacy Development Deaf/Hard of Hearing I**

*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 I".

**3**

### **EHD4249: Foundations of Literacy Development Deaf/Hard of Hearing II**

*Prerequisites:* EHD 4311, EEX 4101, EHD 4245 *Corequisite:* EHD 4248. 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 I".

**3**

### **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.

**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.

**EHD4940: Deaf Education Field Practicum** **2**

*Prerequisite:* EHD 4311, EHD 4245, ASL 2140. *Corequisites:* ASL 4131 This course will provide deaf education majors an opportunity to observe deaf and hard of hearing students in classroom and/or dormitory 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 process the observation and field experiences. Course may be repeated for credit.

**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.

**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. The course prepares students for the ethical interview portion of the National Interpreter Certificate examination.

**INT3205: Cognitive Processing** **3**

*Description:* This course (Cognitive Processing) 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. The course serves as a transition from language learning to interpreting between American Sign Language and English.

### **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**

*Prerequisite:* INT 3270

*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, skill-enhancement course. Through hands-on practice with external mentors and simulated interpreting situations in medical, social service, and financial settings during class meetings, students will integrate the skills outlined in the National Interpreter Certification process. Focus will be on the application of skill sets to the process of interpreting and preparation for the National Interpreter Certificate, Interview-Performance examination.

### **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.

### **INT3302: Interpreting Assessment Preparation: Performance** **3**

*Prerequisite:* INT 3301 This course is a practice-oriented skill enhancement course. Through hands-on practice and simulated interpreting situations, students will integrate the skills outlined in the National Interpreter Certification process. Students will practice the skills defined by the National Council on Interpreting. Focus will be on the application of the skills set to the process of interpreting and preparation for the NIC Performance 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 equivalent meaning and dynamic impact in 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**



*Description:* This course introduces students to the unique factors of interpreting for persons who are deaf-blind and the impact of deaf-blindness on communication, mobility, and life styles. 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 deaf-blind. Students become familiar with human guide techniques and orienting persons who are deaf-blind to the environment. Reflective discussion and writing is utilized throughout the course.

**INT4455: Interpreting with Diverse Populations 3**

*Description:* This course will explore interpreting within cultural contexts with diverse populations, including individuals with emergent language skills, individuals with multiple disabilities, individuals who are LGBT, and individuals from diverse racial, ethnic, cultural, economic, religious, and social backgrounds. Students will identify the distinct role and function of interpreters when working with various populations and will adopt methods for applying cultural and linguistic competence in a variety of settings.

**INT4456: Interpreting in Diverse Settings 3**

This course will explore interpreting in a variety of special settings. Through current research, case studies, in-class discussions, role-playing, and observations, students will explore how setting impacts the delivery of interpreting services and the role of the interpreter. This course involves field observations.

**INT4910: Research in Interpreting 3**

*Description:* This course guides students in becoming consumers of current research 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 active research in their pursuit of excellence as an interpreter.

**INT4945: Interpreting Practicum I 3**

This course is field-based and requires supervised, mentored experiences in the field as an interpreter. Through the practicum, students have ongoing opportunities to apply classroom learning and theory with real-world interpreting. This course requires 100 hours of field-based experiences.

**INT4947: Interpreting Practicum and Portfolio Presentation 6**

*Description:* This capstone course is field-based and requires supervised, mentored experiences as a consecutive and simultaneous interpreter. Through this practicum, students will have ongoing opportunities to apply classroom learning and theory with real-world interpreting. The course requires 200 hours of field-based experience under the supervision of a nationally certified interpreter. Students will develop and present an e-portfolio that is representative of the critical tasks in each interpreting skills class. All prior program coursework must be completed before 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.

# Graduate Courses

## Clinical and Applied Movement Sciences

### Course Descriptions:

#### **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 Physical Activity Epidemiology** **3**

*Prerequisite:* HSC 6512

*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 Methods in Physical Activity** **3**

*Prerequisite:* HSC 6512

*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** **4**

*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** **4**

*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.

**APK6116C: Exercise Physiology and Laboratory Techniques** **4**

*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 (VO<sub>2</sub>, resting metabolic rate, lactate, thermoregulation), contrasting various body composition methodology, and exercise prescription.

**APK6327: Seminar in Exercise Science and Chronic Disease** **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.

**APK6942: Internship or Project in Exercise Science and Chronic Disease** **v. 3-6**

*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.

*Course Fees:* \$125.46

**APK6972: Thesis in Exercise Science and Chronic Disease** **v. 3-6**

*Prerequisite:* HSC 6906 and APK 6057 and APK 6336 and PHC 6050

*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.

## **PHT5005: Professional Practice Issues**

**2**

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**

**1**

*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: Neuroscience I: Clinical Neuroanatomy/Physiology**

**4**

*Prerequisite:* Successful completion of previous courses in the DPT curriculum. This course provides and 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: Neuroscience II: Motor Control and Learning**

**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 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. 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. 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.(A laboratory fee of \$25 assessed.)

## **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: Clinical Inquiry I**

**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.

### **PHT6607C: Clinical Inquiry II**

**2**

*Prerequisite:* Successful completion of previous courses in the DPT curriculum This course is the second in a three part series regarding the principles of clinical inquiry. The objective of the series is to prepare the graduate to critically analyze and use the scientific literature to improve clinical practice, relative to clinical research, education, and/or administration. In this unit, students will work with specific faculty to implement the proposed project developed in unit one of the series. Topics covered include: problem solving, research design, advanced research methods and data analysis. Specifically, quantitative, qualitative and survey outcomes and advanced clinical research design methods will be explored. Students will review all aspects of data handling to include development of data logs, data entry, statistical analysis and interpretation of the analysis.

### **PHT6734: Physical Therapy Management of the Integument**

**1**

*Prerequisite:* Successful completion of previous courses in the DPT curriculum Students apply anatomy, physiology, epidemiology and pathology in exploring the issues of medical, surgical, pharmacological, and psychological and physical therapy management of individuals throughout the lifespan with Integumentary system impairments. Students will develop examination skills and derive diagnoses; prognoses, evaluations and effective physical therapy interventions based on relevant evidence. (A laboratory fee of \$25 will be assessed.)

### **PHT6809: Clinical Education Prep I**

**1**

*Prerequisite:* Successful completion of previous courses in the DPT curriculum This course is designed to prepare students for clinical education experiences. Policies and procedures are described. Students develop an understanding of the roles of the Academic Coordinator of Clinical Education (ACCE), the Center Coordinator for Clinical Education (CCCE), the Clinical Instructor (CI), and their own roles in the clinical education process. Students develop an understanding of various clinical education models and learn how they will be evaluated using the Clinical Performance Instrument (CPI). Students learn to write educational objectives for clinical education experiences and to prepare in-services to meet the needs of their clinical supervisors.

### **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**

*Prerequisite:* PHT 5806 and PHT 6809

*Description:* This course targets a variety of clinical experiences based upon facility availability. Student assignments are individualized and based on the students: areas of clinical interest, academic performance, and prior clinical education experiences and clinical performance. Patients with orthopedic, musculoskeletal, neurological, and/or cardiopulmonary diagnosis may be encountered. Experiences in these settings will provide the student with an opportunity to apply the knowledge and skills acquired in the classroom 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 physical therapy 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.

### **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. (A laboratory fee of \$25 will be assessed.)

### **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 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. (A laboratory fee of \$25 will be assessed.)

### **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-**

**3**

## Upper Extremity

*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.

### **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.

# Graduate Courses

## Nutrition and Dietetics

### Course Descriptions:

#### **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.

#### **DIE6900: Dietetics Readings and Conference** **v.**

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.

**1-3**

#### **DIE6906: Dietetics Independent Study and Research** **v.**

*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.

**3-9**

#### **DIE6912: Projects in Nutrition and Dietetics** **v.**

This course involves the development, implementation, or participation in conducting a designated project related to dietetics. May be repeated for up to 12 credits.

**3-9**

#### **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** **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

### **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.  
3-  
9**

*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.

### **HSC6934: Seminar**

**v.  
1-  
3**

Students will present and attend seminars conducted by faculty and other students. Seminars will focus on faculty and student interests in the health field.

### **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: HSC 4572 and DIE 3213 or permission of instructor. 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.

### **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:* HUN 3601 or undergraduate education foundation or theories course or nutrition counseling course, or approval of instructor. 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**

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

### **PHC6525: Advanced Concepts of Nutrition and Health**

**3**

*Prerequisites:* HSC 4572, BCH 3023C, CHM 1025C. An 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.

# Graduate Courses

## Nursing

### Course Descriptions:

#### **NGR5003C: Health Assessment and Diagnostics**

v.

*Prerequisite:* Admission to the MSN Program or consent of instructor. Pre or

1-

*Corequisites:* NGR 5141 and NGR 5192.

4

*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

#### **NGR5110: Theoretical Framework for Practice**

3

*Prerequisite:* Admission to the MSN program. *Corequisite:* NGR 5810. Critique, evaluate, and utilize 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.

#### **NGR5385C: Management of Acute Conditions for Women's and Children's Health Clinical Nurse Specialists**

3

*Prerequisite:* NGR 5003C, NGR 5141, NGR 5172, and NGR 5750

*Co-requisite:* NGR 7871 and NGR 5110

*Description:* The focus of this course is on the development of advanced nursing knowledge in women's health or child health. Emphasis is on acute self-limiting common health conditions of culturally diverse women and children. Learners will be involved in planning, implementing, and evaluating a personal learning plan for increasing knowledge and skills in this area and will apply their advanced knowledge and skills in the clinical area.



**NGR5601C: Diagnosis and Management of Acute Conditions of Adults and Children** **5**

*Prerequisite:* NGR 5001C, NGR 5141 and NGR 5192.

*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.

Course Fee: \$15

**NGR5750: Clinical Nurse Specialist Role Development** **1**

*Co-requisite:* NGR 5141, NGR 5172, and NGR 5003C

*Description:* The course focuses on essential knowledge and skills needed in the transition to the advanced nursing practice role. The emphasis is on the skill set for successful matriculation through the CNS Program.

**NGR5780C: Adult Gerontology Clinical Nurse Specialist Health Promotion** **3**

*Prerequisite:* NGR 5141, NGR 5172, NGR 5003C, NGR 5750

*Co-requisite:* NGR 7871 and NGR 5110

*Description:* This course examines the CNS role in wellness (physical and mental), health promotion and disease prevention, risk assessment and reduction, individual and community screening measures, and alternative health practices through the life span for early adult to the frail elderly populations.

**NGR5810: Research Methods for Evidence-Based Nursing Practice** **3**

*Prerequisite:* Admission to the MSN program. *Corequisite:* NGR 5110. This course includes information related to research methodologies and evidence-based nursing practice. The focus is on application of scientific knowledge to advanced nursing practice. The emphasis is on skill development in critiquing, synthesizing and generating research evidence to address specific 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.

**NGR6386C: Health Promotion for Women's and Children's Health Clinical Nurse Specialists** **3**

*Prerequisite:* NGR 7871, NGR 5110, and NGR 5385C *Co-requisite:* NGR 5810

*Description:* The focus of this course is on advanced nursing practice in the area women's health or child health with emphasis on preventative care, health promotion, and health maintenance activities for culturally diverse 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.

**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** **6**

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** **8**

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** **8**

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 that 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 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.

**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. Course Fee: \$15

**NGR6603C: Advanced Nursing Practice III** **6**

*Prerequisite:* NGR 6602C. Advanced nursing practice of women's health including pre- and postnatal care as well as chronic health problems of culturally diverse male and female clients across the lifespan. Emphasis is on care of the pre- and postnatal client and pathology, assessment, diagnoses, therapeutic modalities and evaluation related to

long term management of selected chronic health problems. (A laboratory fee of \$15 assessed.)

**NGR6637C: Adult Gerontology Clinical Nurse Specialist: Acute Care** **3**

*Prerequisite:* NGR 7871, NGR 5110, and NGR 5780C

*Co-requisite:* NGR 5810

*Description:* This course examines the CNS role in the care of acutely ill patients from early adulthood through the frail elderly. The focus is on management of care, including assessment, implementation, and evaluation of outcomes.

**NGR6673: Principles of Epidemiology for Advanced Practice** **3**

This course covers the potential influence of advanced practice nurses upon factors affecting the health and illness of populations, and serves as the foundation and logic of evidenced based interventions made in the interest of health and safety. Topics include causal inference, measures of effect and association, and types of studies used to examine health concerns.

**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.

**NGR6711C: Clinical Nurse Specialist III** **3**

*Prerequisite:* NGR 6637C. The focus of this course is on implementation of nursing curricula in class and clinical settings. Strategies for effective course planning, organization, delivery and evaluation of teaching-learning process in nursing education settings will be explored. The learner will be involved in teaching in nursing classroom and clinical settings.

**NGR6726: Quality Management for Advanced Nursing Practice** **3**

*Prerequisites:* Admission to DNP 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.

**NGR6740: Role Development in Advanced Practice Nursing** **3**

*Prerequisites:* NGR 5601C, NGR 6603 C or effective Fall 2005 NGR 6711C.

*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.

**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.

**NGR6940C: Clinical Nurse Specialist Education Practicum** **4**

*Prerequisite:* effective Fall 2005 NGR 6711C. *Corequisites:* NGR 6740. The focus of this course is the integration of assessment, concentrated clinical knowledge and learning theory in a nursing education environment. The capstone for the course will be the implementation and evaluation of the strategies acquired for practice as a nurse educator.

**NGR6941C: Primary Care Practicum** **4**

*Prerequisites:* NGR 5601C and NGR 6602C. *Prerequisite or corequisite:* NGR 6603C and NGR 6740. Under faculty advisement, an independent clinical practicum in primary care is developed to meet individual learning goals. Preparation of learning goals for a selected clinical practice setting with emphasis on case management of a specific client population. Application of knowledge and skills acquired in Advanced Nursing Practice I, II, III in preparation for entrance into practice.

**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.

**NGR6971: Nursing Thesis** **v.  
1-  
6**

*Prerequisites:* NGR 5001C, NGR 5110, NGR 5141, NGR 5192, NGR 5810.  
*Pre/corequisite:* NGR 5601C. Under the direction of faculty, the student will design and implement a clinical nursing research study. 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: Role Development in Advanced Practice Nursing** **3**

Prerequisites: Admission to the DNP Program or Permission of the Instructor In this seminar course issues associated with advanced practice nursing as they develop and implement evidence-based practice are analyzed. The roles as a practitioner, administrator and/or educator are further explored. Emphasis is on developing effective communication and collaborative skills for the development and implementation of interprofessional teams, practice models, peer review, practice guidelines, health policy, standards of care, and/or scholarly endeavors.

**NGR7843: Statistical Interpretation for Advanced Practice** **3**

*Prerequisite:* Previous statistics and graduate research courses This course covers the use and interpretation of statistical methods commonly used in health care studies. The advantages and disadvantages of specific techniques will be considered along with various examples of computer based statistical packages. Particular attention is paid to inferential methods used to evaluate the strength of evidence claimed to support particular interventions.

**NGR7850: Evidence Based Practice I** **3**

Prerequisites: NGR 7797, NGR 7871, NGR 6673 or HSC 6505, NGR 7843 or HSC 6512, NGR 6892 or HSA 6905 Corequisites: HSC 6505 and HSC 6512 In this course students use analytic methods to critically appraise existing literature and other evidence to determine and implement the best evidence for practice. The student will begin to apply relevant finding to develop and analyze clinical practice guidelines and improve practice and the practice environment. Critical appraisal techniques will be used to review meta-analysis, qualitative metasynthesis, and qualitative secondary analysis to prepare evidence tables. The main outcome of the course is the application of clinical and scientific knowledge to solve a practice problem.

**NGR7851: Evidence Based Practice II** **3**

Prerequisites: Admission to DNP Program or Permission Instructor, NGR 7850 This course is a continuation of EBP I in which students develop and test methods to

measure outcomes and develop benchmarks. The main outcome of the course is the design of primary research to address factors within the health care system and/or the individual that are associated with evidence-based clinical practice guidelines and quality improvement processes.

### **NGR7871: Healthcare Informatics for Advanced Practice**

**3**

*Prerequisites:* Admission to DNP 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.  
3-  
9**

*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.

*Course Fees:* \$120.13

### **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.



# Graduate Courses

## Public Health

### Course Descriptions:

#### **GEY6103: Aging and Health in a Multicultural Society** **3**

*Description:* This course examines the impact of culture on the aging process and examines health service and program needs from a multicultural perspective.

#### **GEY6409: Applied Research in Aging** **3**

*Description:* The course includes an examination of the major theoretical and analytical frameworks from the core disciplines (biology, psychology, and sociology) which inform the field of gerontology. Emphasis is on the application of the theoretical contexts to research initiatives and gerontological practice. Students are expected to become familiar with contemporary research on aspects of aging, and they learn to identify and evaluate issues raised by the findings from the field of aging research. In addition, the course examines the connections between theory and age-related issues and problems such as economic inequality, retirement, health care, and aging in families.

#### **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.

#### **GEY6623: Aging and Health Policy** **3**

This course explores the demographic, cultural, economic, and health factors that drive political decisions about health care for older Americans. This course will be offered as an elective.

#### **HIM6120: Fundamentals of Health Information Technology** **3**

This course introduces students to the concepts and practices of health information technology. Topics include, but are not limited to: introduction to the health information technology discipline; major applications and commercial vendors; decision support methods and technologies; information systems design and engineering; and new opportunities and emerging trends.

#### **HIM6321: Health Information Technology and the Regulatory Environment** **3**

*Prerequisite:* HIM 6120 This course introduces students to the concepts and practices of health information technology. Topics include, but are not limited to: introduction to

the health information technology discipline; major applications and commercial vendors; decision support methods and technologies; information systems design and engineering; and new opportunities and emerging trends.

### **HIM6659: Health Information Technology Software Applications** **3**

Prerequisites: HIM 6120 and HIM 6321 This course covers fundamental concepts associated with the development, utilization and procurement of software systems that assist healthcare professionals in the management and exchange of patients'™ electronic health records (EHR). Topics discussed include, but are not limited to: EHR software system architectures; EHR software system development concerns; interoperability among EHR software systems; national regulations, recommendations, and standards that guide the development and define the certification of EHR software systems; utilization of EHR software systems through the study of exemplary and current products; and methodologies to build analyses that support the procurement of EHR software systems.

### **HIM6940: Health Information Technology Capstone Project** **3**

Prerequisites: HIM 6120 and HIM 6321 and HIM 6659 This capstone course provides students the opportunity to integrate and apply content from clinical disciplines, health administration, and information technology into a comprehensive and practical framework for working with healthcare software systems. Interdisciplinary student teams will be challenged to put acquired skills, theories, and strategies into practice working with health service organizations in completion of a health information technology project.

### **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.

### **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.

### **HSA6118: Org Theory/Behavior in Health Care** **3**

*Description:* This course focuses on reviewing theory explaining why healthcare organization exist as they do, and how individuals within organization both affect and are affected by the structure of the organization. The course's™ primary purpose is to provide students with a foundation to understanding principles of organization theory and organization behavior so that they can better understand and administrate within healthcare organizations.

### **HSA6149: Health Planning and Marketing** **3**

*Prerequisite:* Undergraduate marketing course or equivalent. This course examines planning and marketing as related to health care organizations. Emphasis is placed on the planning process and the elements and methods of marketing health care services in relation to the role of the consumer, governing body, administration and health care.

### **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.

### **HSA6186: Healthcare Leadership** **3**

Prerequisites: HSA 6114. This course addresses current leadership theory focusing on leadership styles, motivation, change management, innovation, and creativity as they relate to management of health services organizations. This course will also explore the ethical dilemmas facing healthcare leaders.

### **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.

### **HSA6425: Health Law**

**3**

This course is designed to provide students understanding of the legal environment in which health care services are provided and to develop skills in analyzing many of the current legal and ethical issues facing health care practitioners and administrators.

### **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.

### **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.

### **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 6188

*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: Health Policy**

**3**

*Prerequisite:* HSA 6114 This course is an introduction to the study of health policy and analysis. The course will focus on several components of health policy, including how policy is developed and how it can be described, analyzed, and evaluated. The main emphasis will be upon providing the tools with which to understand how governmental bodies produce policy in its various forms.

### **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.

### **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.

### **HSC6215: Environmental Health**

**3**

An ecological examination of the relationships between environmental conditions and human health. 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.

### **HSC6505: Epidemiology**

**3**

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.

**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 Promotion and Health Education Strategies** **3**

An examination of the implementation, coordination and effectiveness of health promotion and health education strategies and methods.

**HSC6587: Program Planning in Health Promotion/Education** **3**

An analysis of the essential aspects of planning procedures used in the development of community-based health promotion and health education programs.

**HSC6603: Theory of Health Behavior** **3**

An exploration of the theoretical and conceptual models and factors underlying public health behavior and health promotion programs and their application in planning, implementing, and evaluating public health programs for behavioral change.

**HSC6706: Grantsmanship** **3**

The course will familiarize participants with the skills required to prepare grant requests and contract proposals for submission to public institutions and private foundations. It will be focused on how to develop an idea that is responsive to the goals and objectives of funding organizations.

**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: Health Science Research** **3**

*Prerequisite:* HSC 6505. A study of the investigative and analytical methods used in health related research. Emphasizes design, sampling techniques, data collection and processing, interpretation of the results and ethics.

**HSC6816: Field Experiences in Health** **v.**

*Prerequisite:* Approval of department advisor. The application of methods, techniques

**3-**

and materials used in community and school health. May be repeated up to 18 credits. **6**

### **HSC6906: Independent Study and Research**

*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.

**v.  
3-  
9**

### **HSC6931: Special Topics**

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.

**3**

### **HSC6970: Thesis**

Permission of department chair. Under the direction of the faculty the student designs and presents a field based research project of his or her own conception. May be repeated up to 27 hours maximum.

**v.  
3-  
9**

### **HUN5408: Nutrition in the Life Cycle**

*Prerequisite:* HSC 4572. A scientific, chronological examination of how nutrition influences people throughout their lives. This course covers nutrition and metabolism and biological and biochemical basis of effect of optimal nutrition practices during life span, from pregnancy to the old age. Nutritional requirements of all age groups are discussed. Implication and management of metabolic and eating disorders based on recent research literature is studied.

**3**

### **MHS6070: Psychopathology**

*Prerequisite:* MHS 6006. 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.

**3**

### **MHS6205: Assessment and Evaluation in Mental Health Counseling**

The purpose of this course is to familiarize students with the knowledge necessary to select, administer and interpret assessments and evaluations in clinical settings, including the implications of testing and evaluation for cultural and special needs populations. Students will be introduced to assessment and evaluation concepts, terminology, and methodology, including the psychometric statistics underlying commonly used tests and assessments, with an emphasis on legal and ethical considerations guiding the practice of assessment. Non-test assessment theory and practice will be studied and demonstrated experientially.

**3**

### **MHS6305: Career Counseling**

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.

**3**

## **MHS6401: Clinical Mental Health Counseling in Community Settings** **3**

*Prerequisite:* MHS 6400, MHS 6510, and MHS 6070

*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.

*Course Fees:* \$16.83

## **MHS6402: Overview of Brief Counseling** **3**

*Prerequisite:* Completion of MHS 6006 or permission of instructor. This course is appropriate for students having a basic counseling background (MHS 6006 or the equivalent), as well as more advanced students or practicing counselors. Students will become skilled in the application of solution-focused counseling and interactive guided imagery. Selected techniques from other models will be attained.

## **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.

## **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.

## **MHS6431: Advanced Seminar in Family Counseling** **3**

*Prerequisite:* MHS 6006 and MHS 6430. This course is designed to provide students with an in-depth focus on a particular contemporary treatment approach to working with families. The selected treatment approach (e.g., systems, psychodynamic, strategic, cognitive-behavioral, etc.) will vary from semester to semester. Students will acquire knowledge of basic theoretical concepts as well as the techniques and interventions germane to the specific modality chosen. Special emphasis will be on skill-building and practicing family counseling techniques.

## **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**

*Prerequisite:* MHS 6006. 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.

### **MHS6450: Addictions Counseling**

**3**

*Prerequisite:* MHS 6006. This course is designed to prepare students for the challenges of working with clients who have substance dependency and abuse problems. Students will acquire knowledge in individual and group treatment approaches, therapeutic interventions and issues. This course emphasizes the acquisition of counseling skills and provides opportunities for students to practice skill-building. Special focus will also be placed on working with special populations including minorities, the elderly, adolescents, and the mentally ill.

### **MHS6470: Sexual Issues in Counseling**

**3**

*Prerequisite:* Admission to the Counselor Education program or permission of instructor. 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 to translate development theory into effective counseling techniques and strategies.

### **MHS6500: Advanced Practice in Group Therapy**

**3**

*Prerequisites:* MHS 6510, MHS 6941. Advanced Practice in Group Therapy is designed to provide students with specialized knowledge of group theory, research and practice. Students will explore the application of group psychotherapy in culturally diverse populations and in diverse practice settings. Special emphasis will be placed upon existential-humanistic approaches which focus on here-and-now interactions between group members and on groups which incorporate nonverbal forms of self-expression. Students will also practice a variety of advanced group leadership skills needed to facilitate different types of group formats.

**MHS6510: Group Counseling** **3**

Prerequisites: MHS 6006. 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**

*Prerequisite:* MHS 6006.

*Description:* This course provides students with an overview of legal, ethical, and professional issues that impact counselors. Through case studies, students will become familiar with Florida statutes and ethical principles which govern the practice of counseling. Students will be knowledgeable of the profession, including history, roles and functions of counselors, and professional organizations.

*Course Fees:* \$125.46

**MHS6800: Practicum in Mental Health Counseling** **v.**

*Prerequisite:* MHS 6510 and MHS 6404 and MHS 6941

*Description:* The Clinical Mental Health Counseling Practicum is the initial supervised field site experience that allows students to prepare for their internships (MHS6830). It involves three(3)semester hours of clinical supervised experience from both University faculty and site supervisors in a mental health setting concurrent with a small University group classroom supervision and instruction which affords students time for both personal one-on-one supervision as well as group supervision. This allows student to assimilate didactic information with clinical performance and gives them time to build their counseling skills before entering internship.

**3-  
6**

**MHS6830: Internship in Mental Health Counseling** **3**

*Prerequisite:* Permission of the faculty

*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.**

*Prerequisite:* Permission of instructor. Supervised individual investigation of specific problems in counseling within an educational or mental health setting. May be repeated up to 30 credits.

**1-  
3**

**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.

### **PHC5370: Biological Foundations of Public Health**

**3**

*Prerequisite:* An undergraduate human biology course or Anatomy and Physiology I and II or consent of instructor. This course describes the biological determinants of health and disease required to formulate an integrated approach to public health. Principles of genetics, physiology, molecular and cellular biology, pathology, immunology and toxicology as they apply to diseases of public health importance and their control strategies are taught. Examples of the application of biological knowledge to public health problems will also be presented, and emerging biological information and technologies likely to be applicable to public health will be discussed.

### **PHC6003: Chronic Disease Epidemiology**

**3**

*Prerequisite:* HSC 3500

*Description:* This advanced epidemiology course will explore the major chronic diseases and related risk factors with emphasis on recent epidemiology research and findings. The burden of chronic illness will be introduced, and discussion on the epidemiologic features of specific diseases prevalent in western societies will be presented. The specific chronic diseases will include cardiovascular disease, cancer, chronic lung disease, diabetes, arthritis and musculoskeletal diseases, and chronic neurologic disorders. Specific risk factors will be presented and other topics will be discussed where possible.

### **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.

### **PHC6102: Public Health Policy and Management** **3**

*Description:* The course examines the organization, financing, and delivery of public health and personal health services, with emphasis on major current health policy and management issues related to access, quality and cost.

### **PHC6103: Essentials of Public Health Practice** **3**

This public health core course provides an overview of the three fundamental areas in public health practice including assessment, policy development and assurance. Purpose and examples of each area are examined within the context of an operating county level public health department.

### **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.

### **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 entry into a public health career through development of professional skills, securing an internship site, developing the internship project proposal, obtaining necessary approvals, and preparation for national certification. This course must be completed the semester immediately prior to Public Health Internship.

*Availability:* This course is offered spring term only.

*Course Fees:* \$125.46

### **PHC6945: Public Health Internship** **3**

*Prerequisite:* Completion of PHC 6940 and permission of the Capstone Instructor This course consists of two major components: 1) a planned, supervised practice experience with an approved public health organization; and 2) the comprehensive examination. During the practice experience students will apply the knowledge and skills learned in MPH core and health education specialization courses to actual public health problems. The comprehensive examination will assess student proficiency in the concepts and skills learned in MPH core and health education specialization courses. This course is offered summer term only.

### **RCS5220: Rehabilitation Client Assessment** **3**

The focus of this class will be on the process of assessing individuals with physical, sensory, cognitive, and/or emotional disabilities in order to determine optimally effective (re)habilitation plan and placement decisions. The course will include an introduction to

the purpose, personnel, philosophy, and role of assessment in (re)habilitation service delivery, learning to complete assessment interviews, developing individualized evaluation plans, psychometric procedures, work sampling, situational assessment, communicating assessment results and rehabilitation planning. (A material fee of \$15 assessed.)

**RCS5243: Assessment and Treatment of Addictive Disorders** **3**

*Prerequisite:* RCS 5450. In this course, we will explore many of the issues related to addiction and its related dysfunction including, but not limited to: (1) the dynamics of compulsive behavior; (2) biological, personality, and environmental influences on addiction; (3) multiple family and gender issues related to addiction; (4) assessment of addiction; and (5) exploration and evaluation of treatment models.

**RCS5450: Introduction to Addictive/Compulsive Disorders: Pharmacological Overview and Etiological Theories** **3**

The purpose of this course is to provide students with an overview of the dynamics of substance abuse in contemporary U.S. society. The class will include both didactic and experiential activities designed to help students expand the knowledge of substance abuse and theories of addiction, and also the impact it has had on their lives.

**RCS6250: Dual Diagnosis - Addictive Disorders and Physical and/or Psychopathological Disorders** **3**

*Prerequisites:* RCS 5450 and RCS 5243. The purpose of this course is to introduce students to the complexity of dual diagnosis of addiction and other forms of psychopathology as defined in the Diagnostic and Statistical Manual (DSM-IV), and to help students determine diagnostic criteria.

**RCS6642: Case Management in Rehabilitation** **3**

This course provides an overview of the case management process, including service coordination, community resources, and specialized services for different populations with disabilities. Case management practices and procedures in both private and public rehabilitation programs are addressed.

**RCS6825: Internship in Rehabilitation Counseling** **v.**

Take for 6 or 12 hours per semester, with a total of 12 hours necessary. The purpose of this class is to provide students with a clinical experience in a community rehabilitation agency. Students will learn to apply rehabilitation counseling and case management methods, techniques, and vocational knowledge in working with clients, and to consult with rehabilitation professionals as needed to enhance services to clients for the purpose of job development and placement, and/or independent living. Grading is on Pass/Fail bases.

**6-  
12**

**RCS6845: Clinical Supervision in Rehabilitation Counseling** **3**

*Prerequisite:* RCS 6825. The purpose of this course is to introduce advanced rehabilitation counseling students to models of counseling supervision so that they understand the necessary dynamics and protocol of professional clinical supervision of students, which most will be called upon to do once they are practicing professionals.

**RCS6930: Seminar in Rehabilitation Certification****1**

This course is designed to give the student an opportunity to prepare for the Rehabilitation Counseling Certification Examination.

**RCS6931: Seminar in Substance Abuse and Clinical Management****3**

Prerequisites: RCS 5450 and RCS 5243. Addiction is a phenomenon that is both complex and fascinating. In this course, through review and critique of current and "classic" addiction literature, information sharing, and observation, students will explore many of the issues related to substance abuse, specifically as they relate to a full spectrum of diversity and ethical issues.

# Graduate Courses

## Accounting and Finance

### Course Descriptions:

#### **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.

**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.

**FIN5405: Essentials of Managerial Finance** **3**

*Description:* This is a course for non-business undergraduate majors. This course covers the principles of financial accounting and the processes and techniques applicable to financial management. This course combines knowledge from two difficult disciplines, in a rigorous course, taught at a rapid pace. This course is intended for MBA candidates who have not had undergraduate or equivalent foundation work in accounting and financial management.



*Availability:* This course is offered every semester.

### **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.

### **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.

### **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.**

*Prerequisite:* FIN 6406 and this course requires prior approval of the instructor. **1-**

*Description:* This course involves an investigation of a selected problem or project of interest to the student. **3**

*Repeatability:* The course may be repeated with a change in content up to a maximum of 6 credits.

**FIN6936: Special Topics in Finance** **v.**

*Prerequisite:* FIN 6406 and permission of the advisor and department chairperson. **1-**

*Description:* This course involves the study of special topics not offered in other departmental courses. **3**

*Repeatability:* This course may be repeated with a change in content up to a maximum of 6 credits.

**FIN6957: Study Abroad in Finance** **v.**

*Prerequisite:* FIN 5405 or equivalent and permission of the instructor. **1-**

*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. **9**

**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.**

*Prerequisite:* Consent of the instructor **1-**

*Description:* This course involves the investigation of selected problems and topics of current and permanent import in real estate and urban land economics. **3**

*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.**

*Prerequisite:* TAX 6105 with "C" or better and permission of the instructor and department chairperson **1-3**

*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.**

*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

### Course Descriptions:

#### **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.

#### **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.

#### **MAN5036: Fundamentals of Management and Marketing** **3**

*Prerequisite:* Graduate standing

*Description:* This course is a foundation course in management and marketing for students beginning their graduate study in business. It is intended for students who did not study business at the baccalaureate level.

#### **MAN5936: Seminar: Studies in Economics and Business** **v. 1- 3**

*Description:* This seminar consists of the study of interdisciplinary problems related to economics and business administration.

#### **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.

### **MAN6067: Global Business Ethics**

**3**

*Prerequisite:* Graduate standing in the Coggin College of Business

*Description:* During this course, principles of ethics are applied to international business activity, the economic system of the United States and the business firm. Topics are examined from the perspective of the expatriate manager, the strategic decision-maker, stakeholder groups and non-U.S. as well as U.S. business organizations.

### **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.

### **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.

### **MAN6411: Labor Relations and Collective Bargaining**

**3**

*Prerequisite:* MAN 3025 or equivalent

*Description:* This course explores problems in collective bargaining and managing personnel who work under a collectively bargained labor agreement. It is designed for the MBA student who intends to manage workers in accordance with a collectively bargained labor contract.

### **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.

## **MAN6559: Quantitative Management Analysis** **3**

*Description:* This course covers management science models and their applications to management decisions.

## **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.

## **MAN6606: Cultural Environment of Global Business** **3**

*Prerequisite:* MAN 5036 or equivalent, and graduate standing in the Coggin College of Business

*Description:* This course focuses on the primary cause of international business operations failures: cultural clashes. It analyzes the cultural perspectives that generate such problems and focuses on their proactive solutions.

## **MAN6626: Global Human Resource Management** **3**

*Description:* This course will explore issues in global human resource management. First, it examines the multinational context and the consequences of international growth on human resource management. Second, it reviews different types of international (expatriate) assignments, and the tools and techniques vital to supporting these expatriate managers. Some of these human resource processes that impact expatriates include: recruitment and selection; training and development; and compensation. The final part of the course will focus on global issues directly pertaining to international human resource management. Some of these issues include: subsidiary management; industrial relations; and performance management.

## **MAN6635: Managing Multinational Corporations** **3**

*Prerequisite:* MAN 5036 or equivalent, and graduate standing in the Coggin College of Business

*Description:* This course considers the management problems inherent in multinational corporations, as contrasted with those faced by managers of firms with purely domestic operations. Several dimensions, including organizational structure, performance measurement and control, and economic issues are covered. Methodologies for determining whether and how to evaluate and select locations for MNC investment and trade are also provided.

### **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.

### **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.

# Graduate Courses

## Economics and Geography

### Course Descriptions:

#### **ECO5115: Introduction to Economic Analysis**

**3**

Introduction to key analytical tools of macroeconomics and microeconomics. Application of economic analysis to current policy issues. Normally offered each term.

#### **ECO6257: Economic Policy**

**3**

*Prerequisite:* ECO 5115 or equivalent. Development and application of macroeconomic analysis to public policy decision-making. Emphasis on current policy issues such as inflation and unemployment, income policies, and economic planning. Normally offered spring term of even-numbered years.

#### **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.

#### **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.**

*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.

**1-3**

**ECO6930: Special Topics in Economics** **3**

Prerequisites: Graduate standing in the College of Business Administration and permission of instructor. This course encompasses special topics in economics not normally offered by the department. It may be repeated with a change in content up to a maximum of nine credits.

**ECO6957: Study Abroad in Economics** **v.**

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 economics. 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.

**1-9**

**ECP6205: Human Resource Economics** **3**

Elective course for graduate students. Analysis of labor in the marketplace. Wage determination, labor organizations, manpower problems, collective bargaining, and the impact of labor on public welfare. Normally offered fall term of even-numbered years.

**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.**

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.

**1-3**

**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.**

*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.

**1-9**



# Graduate Courses

## Marketing and Logistics

### Course Descriptions:

#### **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.

#### **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.

#### **MAR6726: Marketing on the Internet: Strategies and Programs**

**3**

*Prerequisite:* MAR 6805 or permission of the instructor

*Description:* This course encompasses the formulation and implementation of an e-strategy and related strategic marketing plan for a product/service offering on the Internet including the development of a related company web site.

#### **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.**

*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.

**1-****3**

#### **MAR6933: Special Topics in Marketing**

**v.**

*Prerequisite:* Permission of the instructor

**1-**

*Description:* This course consists of analysis and discussion of advanced problem areas in marketing. **3**  
*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.

**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.

**TRA6905: Directed Individual Study **v.****

*Prerequisite:* Permission of the department chair **1-**

*Description:* This course is a study of special topics under faculty guidance. **3**

*Repeatability:* This course may be repeated for a total of 6 credits with different course content.

# Graduate Courses

## Biology

### Course Descriptions:

#### **BCH5418C: Advanced Molecular Biology and Biochemistry** 4

*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.

*Course Fees:* \$51.93

#### **BCH6876C: Membrane Biology** 4

*Prerequisites:* PCB 4713C Physiology or by permission of instructor. This course is a lecture and laboratory offering to advanced biology students who have had introductory courses in physiology and molecular biology and wish a more in-depth exposure to current trends in membrane biology. In addition, a hands-in laboratory experience with modern experimental tools used to conduct state-of-the-art research in this area of biology will also be offered. Lecture topics will be selected from current scientific publications and laboratories will introduce students to new technical skills which will be followed by application of these skills to individual student research projects. (A laboratory fee of \$51.93 will be assessed.)

#### **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.)

#### **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**

*Prerequisite:* Permission of instructor. Participation in a research investigation under the supervision of the instructor. May be repeated for credit.

v.  
2-  
4

### **BSC5930: Biology Seminar**

This course consists of a lecture series by experts from a wide range of biological disciplines that students attend.

1

### **BSC5936: Selected Topics in Biology**

*Prerequisite:* Permission of instructor. Introductory graduate-level course in biology. May be repeated for credit.

v.  
1-  
4

### **BSC6515C: Aquatic Toxicology**

*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.

4

### **BSC6840: Critical Skills in Science**

*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.

3

### **BSC6931: Advanced Readings in Biology**

*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.

v.  
1-  
3

### **BSC6971: Graduate Thesis Defense**

*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

1



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.

### **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.)

**PCB6335C: Estuarine Ecology****4**

*Prerequisite:* Graduate status, PCB 3043C or equivalent Estuarine ecology involves an examination of the unique physical, chemical, & biological interactions within estuaries, emphasizing energy flow and nutrient cycles. The lecture portion of this course consists of two parts, a brief general introduction and overview followed by forays into specific areas of Estuarine Ecology. The introduction portion of the course is designed to bring graduate students with diverse backgrounds to the same point by the end of the semester with respect to basic Geological, Biological, Chemical, and Ecological principles relating to estuaries. The remainder of the course will examine specialized topics which are of current interest or which have played important roles in the development of the field. Students will be introduced to these advanced topics through guest lectures, scientific papers and field work. (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.)

**PCB6446: Ecology of Wetlands****3**

PREREQS: PCB 3043C or permission of the instructor. This course will offer an in depth examination of wetlands habitats, including both marine and freshwater systems. In addition to learning about the fundamental systems, students will also be exposed to current research in freshwater and marine wetlands ecology. Much of the focus will be on systems within the Florida area, but other habitat types will also be introduced.

**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.

### **ZOO5209C: Advanced Coastal Invertebrate Biology**

**4**

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. Students will also learn how to collect data on invertebrate diversity and use these data in an environmental bioassessment context. This course includes experimentation with living and/or preserved animals. (A laboratory fee of \$51.93 will be assessed.)

### **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 protists, 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.)

**ZOO5487C: Advanced Biology of Marine Mammals****4**

*Prerequisite:* Graduate standing and permission of instructor This course focuses on the biology and ecology of marine mammals. Emphasis will be placed upon understanding how marine mammals are adapted to their environment. Selected topics would include taxonomy, zoogeography, anatomy, physiology, behavior, conservation and management of marine mammals. (A laboratory fee of \$51.93 will be assessed.)

**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.)

**ZOO5754C: Advanced Histology****4**

*Prerequisite:* Permission of instructor Students will receive instruction concerning the structure and function of cells, tissues, and organs. Students will learn to recognize and identify all major cell types in the human body. The histological of cell function will be stressed. The course will be three hours lecture and four hours laboratory per week. The laboratory involves experimentation with living animals and/or dissection of preserved animals. (A laboratory fee of \$51.93 will be assessed.)

# Graduate Courses

## Music

### Course Descriptions:

#### **MUE5945: Graduate Internship in the Elementary School** 9

*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 careful observation and in cooperation with a master teacher.

#### **MUE6946: Graduate Internship in the Secondary School** 9

*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.

#### **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.

**MUG6954: Graduate Conducting Lecture Recital 0**

*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.

### **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.

**MUL6567: 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.

**MUL6606: Vocal Literature****2**

*Description:* Vocal Literature is especially designed for singers as an in-depth examination of the standard vocal repertoire 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.

**MUN5467: String-Piano Sonata Class****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.

**MUN6145: Wind Symphony****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**

**2**

*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: Choral Ensemble**

**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.

## **MUN6435: Brass Chamber Ensemble**

**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**

**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**

**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**

**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**

**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**

**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**

**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.

### **MUO6655: Opera Ensemble**

**2**

*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.

**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.

**MUS5930: Special Topics in Music** **v.**

*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.

**1-3**

**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.**

*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.

**1-3**

**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.

### **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.

### **MVK6607: 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.

### **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.

### **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.

### **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.

### **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.

### **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.

# Graduate Courses

## Criminal Justice

### Course Descriptions:

<b>CCJ5050: Pro-Seminar in Deviance, Criminology, and Criminal Justice</b>	<b>3</b>
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Intensive overview of the fields of social deviance, criminology, and the modern criminal justice system. Accelerated course designed for post-baccalaureate students. For prospective MSCJ students, fulfills prerequisite requirements for CCJ 3603, but does not count toward the 36 hour MSCJ degree requirement.

<b>CCJ5066: Poverty and Crime</b>	<b>3</b>
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*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.

<b>CCJ5079: Crime Mapping</b>	<b>3</b>
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*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.

<b>CCJ5346: Crisis Intervention and Collective Behavior</b>	<b>3</b>
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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.

<b>CCJ5456: Criminal Justice Administration Theory and Practice</b>	<b>3</b>
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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.

<b>CCJ5475: Criminal Justice Planning and Evaluation</b>	<b>3</b>
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*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.

### **CCJ5635: Comparative Criminal Justice Systems** **3**

Examination of the analogues of law enforcement, judicial, and correctional systems of a number of specific cultures and/or societies. The particular societies chosen for comparison will differ depending on the instructor.

### **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.

### **CCJ5684: Family Violence** **3**

This graduate seminar is an overview of issues regarding domestic violence. Theory, definition and methodology in terms of intimate and family relationships ranging from child abuse to intimate partner violence to elder abuse will be examined. Attention will be paid to structural inequalities and how they emerge in social institutions and contexts that intersect with domestic violence. Discussions include how family violence is approached by scholars, practitioners, professionals and the general public, and possibilities for alleviating this social problem.

### **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.

**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.

**CJC5020: History and Philosophy of Corrections** **3**

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.

### **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 “doesn’t work” 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).

# Graduate Courses

## Philosophy and Religious Studies

### Course Descriptions:

#### **PHH5505: 19th Century 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 the important intellectual developments that follow the French Revolution and the work of Immanuel Kant, leading throughout the writings of the Frierich Nietzsche. Nineteenth century or late modern philosophy represents a referendum on the values and assumptions not only of Enlightenment thought but modern reason itself. Focusing on the writings of Schiller, Hegel, Marx, Kierkegaard, and Nietzsche, we explore how nineteenth century theorists sought to extend the project of modernity while acknowledging that modern reason can have consequences that undermine its objective to subject the natural and human worlds to rational control. In examining these writers' theories we also explore how their reflections may assist us in considering the problems and prospects out own age. Students in this graduate section will have special writing, reading, and presentation assignments; they will also participate in special sessions with the instructor.

#### **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.

### **PHI5634: Bioethics**

**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 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 medial 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.

### **PHI5668: Ethics East and West**

**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 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.

### **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.

### **PHI5691: Environmental 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 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. Student will appreciate and understand the complexity and intricacy of the arguments involved in adopting one approach or position over another.

### **PHI5808: Aesthetics**

**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 examine questions such as What is art? What is beauty? What is the nature of the aesthetic experience? What is an aesthetic object? What is the role of the 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.

### **PHI5886: Ethics and Literature**

**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 explores the ways in which ethical theory and literature inform one another. We will consider how ethical perspectives are illustrated in works of fiction, and whether fiction itself can be a form of moral philosophy. Students should gain an understanding of several moral theories, develop an appreciation of the importance of fictional narrative to ethical life and theory, and of the potential value of moral philosophy to literary criticism.

### **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.

### **PHI6125: Ancient Greek 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. In this course we 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.

### **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.

### **PHI6405: Philosophy of Science**

**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 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.

### **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.

### **PHI6458: Philosophy of Psychiatry**

**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 philosophical and ethical issues raised by the theory and practice of psychiatry. 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 psychiatric care embody different underlying philosophical assumptions? What different philosophical reasons are there for thinking that psychiatric treatment should be aimed at the mind, the brain, behavior, the self, the soul, or the whole person? What are the philosophical and ethical assumptions behind psychoanalysis? Is psychoanalysis a science, and does it matter if it is not? What philosophical and ethical questions are raised by the use of medication in psychiatric practice?

### **PHI6676: Lies and Self Deception**

**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. Self-deception is a common phenomenon. In fact, nearly everyone seems 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 for (or against) a particular religion or political party, and so forth. 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. In addition to satisfying the undergraduate requirements for the course, graduate students will be required to demonstrate graduate-level research proficiency both in writing and in oral presentation of written research.

### **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.

### **PHI6936: Advanced 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. This course addresses variable topics in practical philosophy and applied ethics.

### **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**

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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.**

*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.

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3

### **PHI6971: Thesis**

*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.

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### **PHM5056: Ethical Issues in Death and Dying**

*Prerequisite:* Admission to the MA in practical philosophy and applied ethics or admission to the grad certificate in applied ethics or permission of the philosophy grad coord. 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 treatment plans, how much money should be spend 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, different criteria for determining death, and whether one is allowed to bring about or assist in the death of another.

3

### **PHM5105: Social Philosophy**

*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 analysis and evaluation of different accounts of society, social order, and human sociation. Readings come from classical social philosophers and contemporary social theorists.

3

### **PHM5305: Political Philosophy**

*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 central concepts in political thought, including rights, laws, justice, liberty, obligation, political sovereignty, legitimate authority and the nature of political community. Emphasis is placed on classical theories and their relation to contemporary issues.

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### **PHM5365: Philosophy of Democracy**

*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

3

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.

### **PHM5405: Philosophy of Law**

**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 focus of this course 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.

### **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.

### **PHP5794: Pragmatism**

**3**

Pre-req: 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. Pragmatism is perhaps the most enduring and respected of the distinctly American philosophies. Controversial since its beginnings in the latter half of the 19th Century, many contemporary philosophers still embrace it today, in spite of its persistent critics. In this course, we will examine the writings of major pragmatists, both historical and contemporary. Among the philosophers whose views we will examine are James, Peirce, and Dewey. For each philosopher, our task will be to understand both what the philosopher's views are and how those views relate to the views of other pragmatists. The goal is to arrive at a broad understanding of just what it means to be a pragmatist. In addition, we will critically evaluate each individual's views, and the views of pragmatists more generally.

# Graduate Courses

## English

### Course Descriptions:

#### **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.

#### **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.

#### **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.

#### **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.

### **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.

### **ENG6941: DIS: Practicum: Teaching Composition** **3**

*Prerequisite:* Graduate standing and a minimum of 24 semester hours of satisfactory work toward the MA in English. Permission of instructor and graduate coordinator. Practical experience in teaching composition at the college (freshman) level, including supervised teaching, grading, conferencing, and supervised reading. May be repeated.

### **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.

**LIN5743: ESOL Applied Linguistics** **3**

This course explores the ways in which scientific knowledge of the structure, acquisition, and use of language can be applied in multilingual classroom settings.

**LIT5934: Topics in Literature** **v.**

*Prerequisite:* Graduate standing, permission of instructor. May be repeated up to 12 credits under different topics.

**1-3**

**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.

**LIT6017: Studies in Fiction** **3**

*Prerequisite:* Graduate standing or permission of instructor. This course covers variable topics, themes, or periods such as British fiction, American fiction, or short fiction. May be repeated for 12 credits under different topics.

**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.

**LIT6654: Comparative and World Literature** **3**

Study of literature in English translation. This course may include comparison of translated works with works written in English. Content varies. 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.**

*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.

**1-3**

**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.**

*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.

**1-6**

**THE5931: 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.

**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.



# Graduate Courses

## Political Science and Public Administration

### Course Descriptions:

#### **PAD5384: Civic Groups and Public Policy** **3**

*Description:* Rather than a process taking place within government, public policy involves the interaction of government, business and nonprofit groups. The focus in this course is on the involvement of civic groups in public policy, especially the process of policy advocacy.

#### **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.

#### **PAD6053: Issues in Public Management** **3**

The course introduces students to the field of public management and reviews the major issues facing public administrators in the management of public agencies with an emphasis on cases involving local government functions.

#### **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.

**PAD6207: Municipal Finance Administration** **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.

**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.

**PAD6447: Managing Diversity in Public and Nonprofit Organizations** **3**

This course reviews organizational problems posed by differing cultural identities, and examines techniques, strategies, and positive approaches for successful management of the culturally diverse workplace.

**PAD6612: Regulatory Administration** **3**

An exploration of government response to market failure through economic and social regulation. Topics include regulatory agencies, regulatory policy formation and implementation; theories of regulation; risk analysis and tradeoffs; and deregulation.

**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.**

*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.

**1-4**

**PAD6934: Special Topics in Public Administration** **v.**

Exploration of topics of enduring or emerging significance in public administration. May be repeated for up to 9 credits under different topics.

**2-6**

**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.

**POS6095: Intergovernmental Relations** **3**

Course will focus on providing knowledge of intergovernmental administration and management. Topics of discussion will include intergovernmental policy making, program planning and implementation, development and improvement of the organization, and administration of government systems and management of governmental interactions.

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**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.

**URP6058: Urban and Regional Planning** **3**

Examination of urban planning processes, institutions, and techniques, with special attention to the physical, legal, and demographic limits of urban planning.

# Graduate Courses

## History

### Course Descriptions:

#### **AMH5176: 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.

#### **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.

#### **AMH5424: 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 the nation. Case studies of topics in Florida history will focus on Jacksonville and other cities and regions in the state.

#### **AMH5429: Local History**

**3**

A research and writing workshop intended for graduate students seriously interested in local history. Although the focus of the course is the Northeast Florida region, the techniques learned should be equally applicable to any locality in the U.S.

#### **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.

### **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.

### **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.

**ASH6935: Directed Reading in Asian History** **3**

Directed reading in Asian history for graduate students. Topics, eras, or themes will vary. May be repeated with permission of the graduate advisor.

**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.

**EUH5246: World War I** **3**

This course examines the history of World War I in its political, economical, social, cultural, and military dimensions.

**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.**

*Prerequisite:* Permission of instructor. May be repeated up to 9 credits under different topics with permission of graduate advisor.

**1-4**

**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.**

*Prerequisite:* Graduate standing. MA thesis research and writing. May be repeated for up to 15 credits with permission of graduate advisor.

1-  
6

### **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.

# Graduate Courses

## Psychology

### Course Descriptions:

#### **CLP6166: Psychopathology**

**3**

*Prerequisite:* Admission to the MACP program or permission of instructor.

*Description:* The course includes a study of the models that have been developed to describe human adjustment and psychopathological problems. The course is designed further to provide both a knowledge base and a dynamic understanding of these behaviors in an individual's life.

#### **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.

#### **CLP6459: Principles of Sex Therapy**

**3**

*Prerequisite:* Graduate standing and permission of the instructor

*Description:* This course will provide an orientation to the etiology of sexual dysfunctions and dissatisfactions. In addition, it will cover sex counseling research and cognitive and behavioral principles used in sex therapy.

#### **DEP6055: Human Development**

**3**

*Prerequisite:* Enrollment in the Masters of Arts in General Psychology 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 MAGP 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.

**PCO6051: Counseling in Community Settings** **3**

*Prerequisite:* Admission to the MACP program

*Description:* This course provides an overview of principles, theories, and practices of community intervention. Topics include an examination of programs and facilities for inpatient, outpatient, partial treatment, and aftercare. Both human services networks and principles and techniques of community needs assessments and program development will be discussed.

**PCO6056: Health Psychology** **3**

*Prerequisite:* Admission to the MAGP program or permission of the instructor

*Description:* This course includes a general introduction to and survey of the field of health psychology. A biopsychosocial model is developed and contrasted with traditional medical models. The course explores the many ways in which social and psychological research contribute to an understanding of health and illness behavior.

**PCO6248: Theories of Group Counseling** **3**

*Prerequisite:* PCO 6317C, CLP 6166, PCO 6406C, PCO 6408C

*Co-requisite:* PCO 6248L

*Description:* This course explores theories and research on group psychotherapy. This course will cover the stages and dynamics of different kinds of groups including psychoeducational and psychotherapy groups. This course will cover techniques for how to provide process level interventions and practice group leadership skills. This course will also address professional and ethical issues in group counseling.

**PCO6248L: Group Counseling Laboratory** **1**

*Prerequisite:* PCO 6317C, CLP 6166, PCO 6406C, PCO 6408C

*Co-requisite:* PCO 6248

*Description:* This course addresses the experiential group process which involves participation by counseling students in an actual on-going group experience to develop an understanding of one's functioning in relation to other people and to facilitate an awareness of self and interpersonal relationships.

**PCO6271: Social and Cultural Foundations of Counseling** **3**

*Prerequisite:* Admission to the MACP program

*Description:* This course draws on an ecological perspective to examine issues of diversity in American society. During the course of the term we will focus on diversity as represented by racial/ethnic groups, gender, class and sexual orientation in American society. Particular attention will be paid to the relationships between members of these groups, mainstream society and psychological well being and effective helping relationships.

**PCO6311: Psychology of Substance Abuse and Addiction** **3**

*Prerequisite:* Admission to the MACP program

*Description:* This course provides an overview of models of substance abuse and other addictive behavior. Based on these models, prevention (both primary and secondary) and treatment strategies will be discussed, including individual, group, family, and social intervention.

**PCO6317C: Individual Evaluation and Assessment** **4**

*Prerequisite:* PSY 6216 and admission to the MACP program or permission of the

instructor

*Description:* This course introduces the principles and practices of individual evaluation and assessment within the context of psychological counseling. Emphasis is placed on understanding the basic psychometric principles needed to evaluate a wide range of test instruments and assessment tools. The experiential component of the course will center on the development and refinement of observation and interviewing skills.

*Course Fees:* \$15

### **PCO6406C: Counseling Theories and Practice**

**3**

*Prerequisite:* Admission to the MACP Program or permission of the instructor

*Description:* This course is designed to create an understanding of (1) the assumptions, implications, and ethics related to the counseling process; (2) the theories and methods of learning for both individual and group counseling; and (3) the application of research to the counseling process. Students will engage in skill laboratory training that involves the development of basic communication and facilitating counseling skills.

### **PCO6408C: Foundations of Mental Health Counseling**

**3**

*Prerequisite:* PCO 6317C, CLP 6166, PCO 6406C and PCO 6407C, plus admission to the MACP program or permission of the instructor

*Description:* This course will further develop the students' understanding of and ability to work with clients throughout the counseling process. This involves case management from initial contact, through assessment, evaluation, and goal development to referral. Advanced counseling skills will be taught and assessed in a laboratory setting.

### **PCO6531: Career and Lifestyle Assessment**

**3**

*Prerequisite:* Admission to the MACP program and PCO 6317C

*Description:* The goal of this course is to provide future counselors with the tools they will need in order to implement effective strategies for career assessment and career guidance. Theories and practices in career choice and development will be examined from the perspective of the assessment process. In addition to career planning, the focus of attention will extend to social and family goals, leisure interests, and other types of decision-making through the lifespan.

*Course Fees:* \$15

### **PCO6869: Ethical and Legal Issues in Mental Health Practice**

**3**

*Description:* The course will provide an orientation to the legal and ethical aspects of mental health counseling. Topics will include issues relevant to confidentiality, responsibilities of counselors, and professional certification and regulation.

### **PCO6939: Counseling Seminar**

**3**

*Prerequisite:* Established by the instructor

*Description:* This course is a specialty area seminar involving theory, research, and practice in one counseling methodology; for example, vocational counseling, marriage and family counseling, Gestalt therapy, or behavior therapy.

*Repeatability:* This course may be repeated for a total of 9 credits.

### **PCO6943: Internship**

**v.  
1-  
9**

*Prerequisite:* Admission to the Master of Arts in Counseling Psychology program

*Description:* This 900 hour practical experience course component of the counseling program will take place in a mental health facility or agency. Three hundred hours of

this experience must be direct client contact.

*Repeatability:* This course may be repeated up to 9 credits.

**PPE6466: Advanced Personality Theories** **3**

*Prerequisite:* PPE 4004 or CLP 4143 plus admission to the MACP or MAGP 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.

**PSY6216: Research and Program Evaluation** **3**

*Prerequisite:* PSY 3213 or an experimental psychology course plus admission to the MACP program or permission of instructor.

*Description:* This course is designed to enable the master's level practitioner to scientifically evaluate research involving human subjects with special emphasis placed on research strategies, methodologies, and ethics. It must be completed within the first 12 hours of MACP program course work.

**PSY6217: Research Design and Analysis** **4**

*Prerequisite:* PSY 3213 or an experimental psychology course plus admission to the MAGP program 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:* Admission to the MAGP 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 MACP or MAGP 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 MAGP 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 6217, PSY 6910

**PSY6972: Thesis B** **v.**

*Prerequisite:* PSY 6971

*Description:* In this course students will complete directed independent research and writing under the advisement of their graduate advisor and committee. Students must complete at least 3 hours of Thesis B and will typically enroll in 3 credit hours of Thesis B during the Spring Semester of the 2nd year of the program. For students who do not complete their Thesis project after the minimum 3 credit hours of Thesis B, this course may be repeated in one hour increments for a total of six hours. Continual enrollment in Thesis B (summer exempted) is required until the Thesis project has been completed.

**1-  
6**

**SOP6069: Advanced Social Psychology** **3**

*Prerequisite:* SOP 3004 or equivalent, plus admission to the MAGP 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.

# Graduate Courses

## Languages, Literatures, and Cultures

### Course Descriptions:

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**FOL5930: Topics in Foreign Language**

*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.

v.  
2-  
4



# Graduate Courses

## Sociology, Anthropology, and Social Work

### Course Descriptions:

#### **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.

#### **SYA6909: Directed Independent Study**

v.  
3-  
6

*Prerequisites:* Permission of the Instructor and Graduate Program Director. This course is designed to allow students to address issues not presented in primary course listings.

#### **SYA6938: Special Topics in Sociology**

3

The course will cover variable topics in sociology. The course may be repeated for a total of 9 credits under different topics with permission of graduate advisor.

#### **SYA6941: Practicum in Applied Sociology**

v.  
3-  
6

*Prerequisites:* SYA 6305, SYA 6455, SYA 6315 This course provides internship experience in applied sociological research. Students will combine course instruction with work in an approved research setting. Students may take up to six hours of internship credit, and students completing a six-hour internship may apply to use this experience in lieu of a thesis or comprehensive exam.

#### **SYA6975: Masters Thesis**

v.  
3-  
6

*Prerequisite:* Permission of the Graduate Program Director. This course is required for students using the Masters Thesis Exit Option for the degree.

#### **SYD6515: Environment and Society**

3

*Prerequisites:* Admission to Graduate Program or permission of Graduate Director. The course provides a sociological approach to environmental problems. Specifically, the course examines four central issues surrounding environment problems: (i) the nature, scope, and social consequences of environmental problems; (ii) the human causes of environmental problems; (iii) the human responses to environment problems; and (iv) an alternative way of thinking about and responding to environmental problems.

#### **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.

# Graduate Courses

## Mathematics and Statistics

### Course Descriptions:

#### **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.

**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 3203 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.**

*Prerequisites:* MAS 4301 or permission of instructor. Selected topics from ring theory, group theory, algebraic geometry, algebraic number theory, category theory, homological algebra. **1-3**

**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.

**MAT5932: Special Topics in Mathematical Sciences** **v.**

*Prerequisite:* Permission of the department. This is an introductory graduate level courses in mathematics, designed to support graduate programs in other departments in the University. The course may be repeated for a total of 9 credits under different topics. **1-3**

**MAT6908: Directed Individual Study** **v.**

*Prerequisite:* Permission of the department. May be repeated for 9 credits under different topics. **1-3**

**MAT6933: Special Topics in Mathematics** **v.**

*Prerequisite:* Permission of the department. May be repeated for 9 credits under different topics. **1-3**

**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.**

*Prerequisite:* Permission of the department. May be repeated for 9 credits under different topics.

**1-3**

### **STA6938: Seminar in Statistics**

**v.**

Various topics in statistics. May be repeated for 9 credits under different topics.

**1-**

**STA6940: Statistical Consulting**

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.

v.  
1-  
3

**STA6971: Thesis**

Prerequisites: Permission of the department. May be repeated for 6 credits under different topics.

v.  
1-  
3

# Graduate Courses

## Civil Engineering

### Course Descriptions:

#### **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 material fee of \$35 will be assessed.)

#### **CEG6016: Advanced Geotechnical Engineering** **3**

*Prerequisite:* CEG 3011C This course provides a continuum based approach to soil mechanics using both elastic and plastic approaches. Basic topics covered will include stress and Mohr's circle, elastic and plastic strains, elastic constants, soil strength, and yield and plastic flow. Advanced topics will include critical state soils mechanics and application of various soil models including cam clay. (A material fee of \$35 will be assessed.)

#### **CEG6018: Applied Computational Geotechnics** **3**

*Prerequisites:* CEG 3011C, CEG 3111 This course covers the use of finite element computer methods to analyze complex geotechnical engineering problems. Course will focus on various problems in geotechnical engineering, including shallow foundations, retaining structures, slope stability, and tunnels. Emphasis will be placed on advantages of finite element based solution over traditional statics-elastic based solutions and the importance using the proper soil models. (A material fee of \$35 will be assessed.)

#### **CEG6118: Advanced Foundation Engineering** **3**

*Prerequisite:* CEG 3111 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 Geotechnical Engineering, CEG 3111 Foundation Engineering 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 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 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.

### **CES5105: Advanced Mechanics of Materials for Civil Engineers** **3**

*Prerequisite:* CES 3104C Mechanics of Materials This course covers advanced topics in solid mechanics. Course topics include review of stress and strain theories, lineal stress-strain relationships, inelastic material behavior, and application of energy methods, stress concentrations, introduction to fracture mechanics, fatigue, and creep.

### **CES5326: Bridge Engineering** **3**

*Prerequisites:* CES 3605C Design of Steel Structures, CES 4702C Design of Reinforced Concrete 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. (A material fee of \$30 will be assessed.)

### **CES5706: Advanced Reinforced Concrete** **3**

*Prerequisite:* CES 4702C Design of Reinforced Concrete This course covers the design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; and provide an introduction to prestressed concrete.

### **CES6116: Finite Element Structural Analysis** **3**

*Prerequisite:* Consent of instructor This course focuses on the concepts, theory, and application of the finite element method to one-, two-, and three-dimensional structural components and systems. This course will also cover stability and dynamics of structural systems.

### **CES6144: Matrix Structural Analysis** **3**

*Prerequisite:* CES 3100 Structural Analysis 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.

**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.

**CGN6875C: Advanced Concrete Materials and Methods** **3**

*Prerequisite:* CGN 3501C This course offers knowledge, skills, and national certification opportunities in the advanced testing of concrete materials and construction inspection procedures for transportation construction projects, including pre-placement, placement, and post-placement operations and quality assurance/quality control practice.

**CGN6900: Supervised Graduate Research** **3**

*Prerequisites:* Graduate status; permission of instructor and department chairperson. This course is an investigation of topics in Civil Engineering at the advanced level. The 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. 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. May be repeated for up to 6 credits.

**CGN6970: Civil Engineering Master's Thesis** **3**

*Prerequisite:* Graduate standing and permission of instructor 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. The course may be repeated for up to 6 credits.

**CGN6974: Civil Engineering Master's Project** **3**

*Prerequisite:* Graduate standing and permission of instructor The student will undertake a comprehensive civil 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.

**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: Field Methods** **3**

*Prerequisite:* CGN 6933

*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.

### **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.

### **CWR5305: Stormwater Management** **3**

*Prerequisites:* CWR 4202C Hydraulics Engineering, ENV 3001C Environmental Engineering, MAP 2302 Ordinary Differential Equations 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.

### **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 Hydraulics Engineering, ENV 3001C Environmental Engineering, MAP 2302 Ordinary Differential Equations 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.

### **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.

### **CWR6005: Introduction to Coastal Engineering** **3**

*Prerequisite:* CWR 3201 and CWR 4202C

*Description:* This course provides an introduction to the coastal environment with a focus on engineering and science applications. The course introduces important topics and physical processes necessary to understand and work in the coastal environment. These topics are the foundation for more advanced study of water wave mechanics, coastal processes, and coastal engineering design. Course topics include Coastal Zone Introduction, Basic Water Wave Theory, Wave Statistical Analysis (short/long term), Wind Waves and Storm Surges, Tides and Tidal Currents, Shorelines and Nearshore Processes, Inlet Systems, Coastal Management, and Environmental Aspects of Coastal Projects.

### **CWR6150: Engineering Hydrology** **3**

*Prerequisites:* CWR 4202C Hydraulics Engineering, MAP 2302 Ordinary Differential Equations This course covers the engineering applications of physical and statistical hydrology. The principles of surface and groundwater hydrology are reviewed. Tools for hydrologic analysis, including rainfall-runoff analysis, unit hydrographs, flow routing, statistical hydrology, and frequency analysis, are presented. The course culminates in the application of principles and analytical tools to hydrologic design, including design storms, design flows, and risk analysis. Students are introduced to the application of watershed models to hydrologic design.

### **CWR6236: River Engineering and Sediment Transport** **3**

*Prerequisites:* CWR 4202C Hydraulics Engineering, MAP 2302 Ordinary Differential Equations 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.

### **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 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:* his 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 Fluid Mechanics, ENV 3001C Environmental Engineering  
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 Environmental Engineering This course covers the applicability of water chemistry and physical chemistry on natural waters and waste-water with emphasis on environmental engineering problems.

**ENV6511: Biological Treatment Systems in Environmental Engineering** **3**

*Prerequisite:* ENV 4012 Advanced Environmental Engineering 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 Environmental Engineering 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**

*Prerequisite:* TTE 4004

*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**

*Prerequisite:* TTE 4004

*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**

*Prerequisite:* TTE 4004

*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**

*Prerequisite:* TTE 4004

*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**

*Prerequisite:* TTE 4004

*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.

# Graduate Courses

## Electrical Engineering

### Course Descriptions:

#### **EEE5316L: Advanced Electronics**

**3**

*Prerequisite:* EEL 4309C Electronic Circuits II or equivalent

*Description:* This course is a lab-oriented course that covers the application of electronic devices and linear-digital integrated circuits in the design and verification of electronic instrumentation, systems, and design projects.

*Course Fees:* \$75

#### **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.

#### **EEL5060: High Tech Entrepreneurship**

**3**

*Prerequisite:* Permission of instructor This course provides an overview of the steps required in the formation of a high tech company. Topics include intellectual property, the preparation of comprehensive business plan and approaches on raising start up financing.

#### **EEL5500: Digital Communications**

**3**

*Prerequisite:* EEL 4514 Communication Systems or equivalent This course discusses the analog-to-digital conversion, the behavior of communication systems in the presence of noise, and optimum signal detection. Selected topics in modern digital communication are also covered.

#### **EEL5500L: Digital Communications Laboratory**

**1**

*Prerequisite:* EEL 4514 Communication Systems or equivalent This course is the laboratory component for EEL 5500 and consists of the investigation, experiment and design of digital communication systems.

#### **EEL5511: Communication Systems**

**3**

*Prerequisite:* EEL 3135 Signals and Systems or equivalent This course covers the fundamental principles of communication systems. Topics include the transmission of analog signals, the transmission of digital data, modulation and demodulation, and recent developments in communications.

#### **EEL5563: Fiber Optics**

**3**

*Prerequisite:* EEL 3472 Electromagnetic Fields and Applications or equivalent 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 4657C Linear Control Systems or equivalent 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.

### **EEL5722C: Digital Design**

**4**

*Prerequisite:* EEL 3701C Introduction to Digital Systems and EEL 3304 Electronic Circuits I or equivalent. 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. A laboratory is included.

### **EEL5764C: Digital Computer Architecture**

**4**

*Prerequisite:* EEL 3701C. This course covers advanced processor design and techniques such as multiple execution units, pipelining, out-of-order instruction execution, predication and speculation. Today's computer designs encompass multiple processors. Recent design trends from multicore processors, super computers and grid computing will be discussed. The relationship between software elements such as compilers and operating systems and computer design will also be covered.

### **EEL5820: Digital Image Processing**

**3**

*Prerequisite:* EEL 3135 Signals and Systems or equivalent 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.

### **EEL6521: Advanced Digital Communications**

**3**

*Prerequisite:* EEL 4514 Communication Systems or equivalent This course will discuss the analog-to-digital conversion, the behavior of communication systems in the presence of noise, and optimum signal detection. Selected topics in modern digital communications will also be covered. There will be a focus on wireless communications including cellular (GSM/EDGE), local area networks (WIFI), wide area networks (WI MAX), and AD HOC networks (ZIGBEE).

### **EEL6521L: Advanced Digital Communications Laboratory**

**1**

*Prerequisite:* EEL 4514 Communication Systems or equivalent This course is the laboratory component for EEL 6521 Advanced Digital Communications and Consists of the investigation experiment and design of digital communication systems.

### **EEL6568: Optical Systems and Networks** **3**

*Prerequisite:* EEL 4440 Optical Fiber Communications or equivalent This course provides a comprehensive study of new developments and how optical technology is used in optical systems and networks. Topics covered include optical fiber applications as the best transmission medium for high capacity traffic in communications networking, dense wavelength division multiplexing, and passive optical networks.

### **EEL6591: Wireless/Mobile Communications** **3**

*Prerequisite:* EEL 4514 or permission of instructor. This course illustrates the characteristics of the wireless/mobile environment. Topics covered include wireless/mobile channel and multiple access techniques: frequency division multiple accesses, time division multiple access, and code division multiple access. Advanced topics such as cellular wireless system, wireless sensor networks, and ultra-wideband radio systems will be introduced.

### **EEL6684: Embedded Control Applications** **3**

*Prerequisite:* EEL4610/EEL5613 or permission of instructor. EEL4610 and EEL5613 are cross-listed courses. This course covers embedded control techniques with applications to motion control and microcontroller-based instruments. Topics include advanced microcontroller on-chip peripherals, sensors, actuators, position and speed control, and process control instruments. There are laboratory experiments. A term project is required.

### **EEL6735: Computer System Design** **3**

*Prerequisite:* EEL 4713 Digital Computer Architecture or equivalent This course addresses various topics in computer design including maximizing processor performance, concepts and techniques for design of computer systems, processor design, instruction set architecture design and implementation, memory hierarchy, pipelined processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, advanced I/O systems, performance evaluation. Advanced concepts, such as grid computing, are also covered.

### **EEL6749: Embedded Systems Design** **3**

*Prerequisite:* Permission of the Instructor This course explores the design trends in microcontrollers, microprocessors and digital signal processors. Topics include the use of these processor types in various design applications such as biomedical, communications and intelligent highway systems. A design project is included in the course.

### **EEL6825: Pattern Recognition** **3**

*Prerequisite:* EEL 4750 Introduction to Digital Signal Processing or equivalent This course provides an overview of modern pattern recognition techniques for supervised and unsupervised feature extraction and classification including: Bayesian methods, nonparametric methods, discriminant functions, neural networks, and stochastic techniques.

### **EEL6900: Supervised Graduate Research** **3**

*Prerequisite:* Graduate status; permission of instructor and department chairperson This course is an investigation of topics in Electrical Engineering at the advanced level. The course may be repeated for a maximum of 6 credits.

### **EEL6925: Master's Project**

**3**

*Prerequisite:* Graduate standing and consent of advisor Student will undertake a comprehensive electrical engineering project conducted under the supervision of the faculty advisor. The comprehensive project is to be chosen by the student and faculty advisor. A project report is required.

### **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.

### **EEL6972: Master's Thesis**

**3**

*Prerequisite:* Graduate standing and consent of advisor. Individual research involving laboratory/field/modeling investigations on a topic relevant to electrical engineering. The topic is to be chosen by the student and faculty advisor. May be repeated for up to 6 credits.

# Graduate Courses

## Computing

### Course Descriptions:

#### **CAP5605: Introduction to Artificial Intelligence** **3**

*Prerequisite:* COP 3530 or COP 3540

*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.

#### **CAP5805: Discrete Systems Modeling and Simulation** **3**

*Prerequisite:* STA 4321 or STA 2023 and COP 3530 or COP 3538

*Description:* This course is intended for beginning graduate students lacking background in this area. Course topics include model building; queuing models; design of experiments; simulation techniques; utilization of probability density functions; pseudo-random number generation; simulation tools such as GPSS, SIMSCRIPT, and SLAM; interpretation of results; simulation animation; and continuous simulation. Students will extend course topics via library assignments or other instructor-assigned requirements.

#### **CAP6100: Interface Design and Implementation** **3**

*Prerequisite:* CEN 6016

*Co-requisite:* CEN 6016 This course covers issues 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; user centered design including naive and expert user interfaces; interface development methodologies and implementation tools; interface testing and quality assessment.

#### **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.

### **CEN5805: Systems Integration**

**3**

*Prerequisite:* COP 4710 or CIS 4327 or CGS 4308 or equivalent This course studies the process of integrating different systems and software applications by examining current and emerging trends, strategies, and techniques for developing systems integration solutions effectively. Example topics covered include, but are not limited to: systems interoperability issues and challenges, documenting integration requirements using business process models, designing integration solutions reusing patterns, and implementing integration solutions using service oriented architecture. Students will extend course topics via library assignments, programming assignments, tool evaluation assignments, and other assigned activities.

### **CEN6016: Engineering of Software I**

**3**

*Prerequisite:* COP 3540 or COP 4534 or equivalent. Topics covered in this course include: methods, techniques, and practices associated with software development that go from elicitation or requirements to the analysis of both the problem and solution domains; formal methods, executable specifications, classical and object-oriented approaches; support tools, and quality assurance practices; team-oriented project using methods, techniques and practices learned.

### **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: Web Engineering**

**3**

*Prerequisite:* CEN 6016 or equivalent. In this course, topics covered include the application of software engineering principles and techniques to the development, deployment, and maintenance of high quality Web-based systems and applications; markup languages, distributed objects, hypermedia and Web integration; architecture and security issues; client side and server side technologies; distributed technologies; data integration across heterogeneous Web sources.

### **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.

### **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: Software Engineering Practicum** **3**

*Prerequisites:* Software Engineering core: CIS 6101, CEN 6016, CEN 6017, and CEN 6070. This course involves a supervised team project, including field experience with real customers, to address a major software development effort that employs methods, techniques, and practices covered in the Software Engineering core.

### **CIS5105: Systems Performance and Evaluation** **3**

*Prerequisite:* CDA 3100 and COP 3538

*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.

### **CIS5865: Spatial Information Systems Administration** **3**

*Prerequisite:* CIS 5871C Advanced Spatial Information Systems This course will provide the participants with the advanced knowledge of the professional practices needed to be able to administer enterprise-scale Spatial Information Systems (SIS) and to manage the development and implementation of specialized applications that utilize SIS technology as a component. The course will utilize guest lectures by SIS professionals to present case studies of professional practices. Participants will work in groups to execute a series of peer-reviewed assignments in which each group develops the requirements for development of a SIS application, a competitive professional proposal, and a SIS business plan. Participants will also be required to conduct an individual research project and make a professional presentation.

### **CIS5870C: Introduction to Spatial Information Systems** **4**

An introduction to Spatial Information Systems (SIS): the technology of acquiring, managing, analyzing, and displaying information in a spatial context. The course focuses on the unique technical and institutional issues associated with designing and implementing a spatially-enabled Information Technology infrastructure in a public or private enterprise. The participants will get hands-on experience with industry-standard technology including: Geographic Information System and Global Positioning System hardware and software. Practical exercises provide a pathway to understanding how fundamental spatial theory and principles become relevant in the context of developing practical applications using these technologies. Students will be required to conduct an individual research project and make a professional presentation.

### **CIS5871C: Advanced Spatial Information Systems** **3**

*Prerequisite:* CIS 5870C This course will provide participants with advanced knowledge of spatial principles and professional practices related to enterprise-scale Spatial Information Systems (SIS) and specialized applications that utilize SIS technology. The course will explore how SIS technology can be integrated with other technologies to create new business process models. The laboratory component will provide participants with the advanced technical skills needed to design and implement a SIS and develop applications that utilize SIS technology. The course will give participants a "hands on" opportunity to explore how SIS technology can be integrated other technologies such as mobile computing, the web, and wireless communications. Participants will be required to conduct an individual research project and make a professional presentation.

### **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.

### **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.

**CIS6910: Project** **4**

*Prerequisite:* Permission of Director of Graduate Studies for Computing and Information Sciences

*Description:* This graduate project is for advanced graduate students nearing completion of the degree. It requires completed proposal and approval prior to the semester of intended enrollment.

**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.

**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.

**COP5615: Operating Systems** **3**

*Prerequisite:* STA 4321 and COP 3404

*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 3404

*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.

## **COP5716: Data Modeling and Performance**

**3**

*Prerequisite:* COT 3210 and COP 3404

*Description:* This course studies dynamic storage management, compression, data abstraction, data models (hierarchical, network, relational), query languages, concurrency and security, grammatical validation and standards. Schema design methodologies and evaluation including object oriented, semantic, functional entity-relationship data models, CASE tools, and SQL engine design are covered. Students will extend course topics via library assignments or other instructor-assigned requirements.

## **COP5819: Internet Programming**

**3**

*Prerequisite:* COP 3530 or COP 3538

*Description:* This course presents various approaches to building large enterprise systems to be deployed on the World Wide Web (WWW). Examples include, but are not limited to: classical multitiered, client-server, service-oriented, grid computing, utility computing, software as a service, smart clients, and web services. It also presents current development platforms (eg. J2EE, .NET), development frameworks (e.g. JSP-based, ASP-based), development environments (e.g. Eclipse), and related technologies (e.g. Tomcat JSP Container, Microsoft IIS Server) used to build and deploy such systems. Finally, it also discusses current trends in connection with relevant quality attributes these systems should exhibit, such as (but not limited to) security, privacy, reliability, mobility, and performance. A comprehensive software development project is used to apply covered concepts.

## **COP6557: Programming Language Design Paradigms**

**3**

*Prerequisites:* COP 5615 and COT 3210 or equivalent. Topics covered in this course include: operating system support features required by different programming paradigms; run time symbol tables and semantics; compiling vs. interpreting; binding and execution time requirements; storage management; subprogram control; implementation of inheritance; strong vs. weak data typing.

## **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.

### **COT5405: Algorithms and Complexity** **3**

*Prerequisite:* COT 3210 and COP 3530

*Description:* This course is reserved for beginning graduate students lacking background in this area. Topics include analysis of various algorithm design strategies, divide-and-conquer, greedy method, backtracking, branch-and-bound, lower bound theory, and, NP-hard and NP-complete. Students will extend course topics via library assignments or other instructor assigned requirements.

### **COT5471: Introduction to Music Informatics** **3**

*Prerequisite:* COP 3530 or COP 3538 AND STA 2023 or STA 4321

*Description:* This course studies computer algorithms and technologies used in music analysis, synthesis, and processing. Topics include, but are not limited to: music signal processing, knowledge representation in digital music, interactive systems for music learning and composing, music emotion recognition and automatic music recommender systems. This course demonstrates how computing and engineering concepts, including programming, algorithms, data structures, algebra, probability/statistics, and signal processing, are applied to digital music research. The class includes weekly readings of contemporary scientific literature in the field of computational music research, project presentations, in-class discussions, and hands-on assignments. Students complete a final project in which they create software systems to improve everyday musical experiences via the use of computer technologies. Students will extend course topics via library assignments or other requirements such as a research term paper.

### **COT5561: Applied Graph Theory** **3**

*Prerequisite:* COT 3100 and (COP 3530 or COP 3538 or equivalent)

*Description:* Topics in graph theory including coloring, domination, and flows will be covered, as well as applications of graph theory in computing and modeling real-world phenomena, and graph algorithms. An individual research project will be required.

### **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.



# Graduate Courses

## Mechanical Engineering

### Course Descriptions:

#### **EGN6333: Advanced Mechanics of Materials**

**3**

*Prerequisite:* EGN 3331 Mechanics of Materials 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.

#### **EML5105: Classical and Statistical Thermodynamics**

**3**

*Prerequisites:* EML 3100 Thermodynamics I, EML 3101 Thermodynamics II This course continues the development of thermodynamic concepts to include thermodynamic property relations, energy, and chemical and phase equilibrium. The statistical basis for entropy and other thermodynamic properties are covered.

#### **EML5131: Combustion Phenomena**

**3**

*Prerequisites:*EML 3100 Thermodynamics I, EML 3101 Thermodynamics II 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 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.

#### **EML5315: Advanced Control System Theory**

**3**

*Prerequisite:* EML 4313 Control of Machinery This course explores the analysis of dynamic mechanical engineering control systems. This course involves modeling, stability, transient response, frequency response, and state-space modeling with implementation consideration. Classical single-input single-output (SISO) linear systems are extended to multi-input multi-output (MIMO) systems.

#### **EML5403: Fuel Cells**

**3**

*Prerequisites:* EML 3100 Thermodynamics I, EML 3101 Thermodynamics II This course covers the properties and efficiencies associated with various fuel cell systems. Particular emphasis is placed on fuel cells characterized as phosphoric acid fuel cells, direct methanol fuel cell, and other direct conversion cells. Fuel cell applications are

covered and compared to other energy conversion technologies.

### **EML5606: Air Conditioning and Refrigeration**

**3**

*Prerequisite:* EML 4601 HVAC Systems The course covers the control of the properties of air to meet comfort and industrial requirements. Methods of heating, humidification, cooling and dehumidifying based on thermodynamics, heat transfer and fluid flow considerations are discussed. The overall design of HVAC systems is discussed from determination of heating and cooling loads. The course will focus on designing optimum systems rather than workable systems.

### **EML5808: Robotics Engineering II**

**3**

*Prerequisites:* EML 4313 Control of Machinery or equivalent, EML 4806 Robotics Engineering I or equivalent 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 Control of Machinery 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.

### **EML6417: Solar Energy Devices**

**3**

*Prerequisites:* EML 4140 Heat Transfer, EML 3101 Thermodynamics II This course focuses on the study of solar energy systems with an emphasis on solar heating and cooling of buildings. The course includes the design of various types of solar collectors using different materials, working fluids, and geometries. The course will also discuss the theory of energy storage systems and the use of solar energy in electricity generation.

### **EML6451: Energy Conversion**

**3**

*Prerequisites:* EML 3100 Thermodynamics I, EML 3101 Thermodynamics II This course studies various methods of energy sources, energy storage, and energy utilization. The course will include a survey of energy conversion systems using combined cycles, the comparison of systems based on total energy concepts, the consideration of renewable and exhaustible sources of energy. The course will emphasize solar energy, fossil fuels, nuclear energy, and direct energy conversion systems including thermoelectric, photovoltaic, MHD, and fuel cells.

**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.

*Course Fees:* \$40

**EML6556: Mechanical Engineering Master's Project** **3**

*Prerequisite:* Graduate standing and consent of instructor 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 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** **3**

*Prerequisites:* Graduate Status; permission of instructor and department chairperson  
This course is an investigation of topics in Mechanical Engineering at the advanced level. The course may be repeated for a maximum of 6 credits.

**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** **3**

*Prerequisite:* Graduate standing and consent of advisor 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. The course may be repeated for up to 6 credits.

# Graduate Courses

## Construction Management

### Course Descriptions:

#### **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.

#### **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.

# Graduate Courses

## Childhood Education, Literacy and TESOL

### Course Descriptions:

#### **EDE6205: Teaching All Children**

**3**

This graduate course is about planning for and delivery of instruction to meet the social, cognitive and physical needs of all children. It provides diverse perspectives of and skills for partnerships among educators, children, and their families.

#### **EDE6225: The Elementary School Curriculum**

**3**

Basic concepts of curriculum development and evaluation applied to the elementary program.

#### **EDE6910: Directed Individual Study and Research**

**v.****1-****3**

*Prerequisite:* Consent of instructor and division chairperson. Pursuit of individual investigation of specific topic or field problem with faculty guidance. May be repeated up to 24 credits.

#### **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).

#### **EDE6946: Student Internship**

**9**

*Prerequisite:* Successful completion of all courses and requirements prescribed on the Master of Education in Elementary Education Initial Certification program of study. This course is designed to be the culminating experience in the student's major field of study. Students apply knowledge, skills, and dispositions under the supervision of a directing teacher and college supervisor in a field setting.

#### **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 and Toddlers**

**3**

This course provides students with an understanding of culturally, linguistically, and developmentally appropriate programs in community settings providing services to infants and toddlers and their families. It emphasizes the importance of understanding the nature of infants and toddlers and how they learn and is organized to ensure an understanding of the domains of development. Special emphasis stresses the necessity of understanding the infant and toddler in the context of his or her family and community.



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**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.

**LAE6315: Teaching Writing K-6** **3**

*Prerequisite:* Undergraduate degree. This course is designed to facilitate the acquisition of skills in teaching writing, grades K-6. Students will assess factors contributing to elementary pupils' success in learning to write, via their own research and by experiencing and reflecting on stages of the writing process.

**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.

**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. The course focus is on the integration of technological tools to the teaching of mathematics at the elementary level. The purpose of the course is to provide ways to infuse mathematics across the curriculum using a problem solving approach and technological delivery system.

**MAE6318: Mathematics for Elementary Teachers** **3**

An extension of competencies in mathematics instruction in the elementary grades.

**PAX6940: Practicum in Conflict Transformation** **3**

Prerequisites:EDG 6403 Foundations of Transformation, EDA6935 Applied Transformation of Conflict In consonance with the mission of the University of North Florida, this course will be focused on community-based learning in one or more contexts. Learning will occur through experiential and reflective engagement. Students will work on the peaceful transformation of conflict in an approved situation that augments their learning and skill development. Students will demonstrate professionalism while they provide service in the advancement of peaceful conflict transformation. With faculty approval, a student may repeat this course once, for a total of six semester units.

**RED5846: Practicum in Reading** **v.**

Prerequisites: RED 3310, RED 3311. Demonstration of reading teaching competencies in the school setting.

**1-3**

**RED6000: 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.

**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.

**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.

**RED6697: Teaching New Literacies** **3**

*Description:* Because we are living and teaching during the greatest literacy communication of all-time our teaching must keep pace with the various ways in which we communicate both in-and-out of school. This course will introduce and define why it

is critical that we teach new literacies during the 21st century. This course will also introduce students to preparation of appropriate new literacy instructional planning and implementation.

### **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.

### **SCE6117: Science for Elementary Teachers**

**3**

Advanced study of content, resources and processes used in science programs in the elementary school.

### **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.

### **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.

### **TSL6252: Principles of Linguistics in ESOL**

**3**

This course provides a brief overview of language systems and stresses the application of linguistic knowledge to TESOL (Teaching English to Speakers of Other Languages). English is compared and contrasted with other languages in the areas of phonology, morphology, syntax, semantics, and pragmatics. Instruction of English Language Learners is emphasized.

### **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.

### **TSL6350: Grammar for Teachers of ESOL**

**3**

This is an advanced course that addresses the facets of English grammar that influence the language development of second language learners. Emphasis is placed on examination of traditional concepts of language, understanding of research on grammar development and exploration of the relationships among language learning, grammar development and effective teaching strategies.

### **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.

### **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.

# Graduate Courses

## Leadership, School Counseling and Sport Management

### Course Descriptions:

#### **EDA6061: Introduction to Educational Leadership (School Leadership I) 3**

*Description:* This course includes an investigation of educational leadership as a profession. Students review literature covering the roles and the contexts that elementary and secondary school leaders experience. Students begin a personal leadership portfolio. It is the required first course for persons seeking admission to the program in educational leadership.

#### **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**

*Description:* Within this course, students will be introduced to the world of leadership through extensive investigations regarding major responsibilities of leaders. Students explore organizational behavior theories to provide a framework for making change within organizations.

#### **EDA6215: Developing School and Community Resources (School Leadership II) 3**

*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, 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, statute, case laws and principles relating to the organization and operation of public education with particular emphasis upon the examination of legal principles involved in practical problems of school administration.

**EDA6242: School Finance (Instructional Leadership III) 3**

*Prerequisite:* EDA 6061

*Description:* This course provides the student with an introduction to federal, state and local financial theories and practices. Students are also taught the skills in school-level budget planning, preparation, utilization and outlines the procedures for internal accounting and financial management.

**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.

**EDA6302: 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.

**EDA6330: Administration and Management of Student Services 3**

*Description:* Students in this course will examine the wide variety of student personnel services including school safety, school discipline and management of exceptional student education programs available in public schools districts. A strong focus is placed on the nature and development of programs at the building and district levels of operation and discussion of current issues and trends.

**EDA6910: Individual Study and Research v.**

*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 12 credits.

**EDA6930: Grants Development and Project Design 3**

*Description:* Students in this seminar will study all aspects of grants development, from the germination of ideas to preparing a competitive proposal. The topics include needs assessment, problem statement development, funding searches, literature review, methodology, performance objectives, evaluation design, and budget planning. There is emphasis on resource development for educators and human service professionals in a

variety of settings.

### **EDA6931: Special Topics**

**v.  
0-  
3**

*Prerequisite:* Consent of instructor

*Description:* This course is for students who wish to undertake study of selected topics related to administration and supervision.

*Repeatability:* This course may be repeated with change of content up to a maximum of 9 credits.

### **EDA6935: St: Applied Transformation of Conflict**

**3**

*Prerequisite:* EDG 6403

*Description:* This course will be focused on broad-based education in multiple contexts. Learning will occur through academic, experiential and reflective engagement. Students will identify, examine, analyze and proactively respond to extant problems for applied practice prior to their own evaluation of their knowledge, skill and disposition development.

### **EDA6945: Practicum in Educational Leadership**

**v.  
1-  
9**

*Prerequisite:* EDA 6061, EDA 6215, EDG 6625, EDS 6130, EDA 6196, EDA 6232, EDA 6242

*Description:* This course is designed for students who are in the Educational Leadership program for the master's degree. The selection of class section is made by the student and/or faculty based on course and program needs and/or student's employment interests. The students will have a supervised experience in educational leadership (or in the principalship). The course requires a minimum of 40 hours of field experience per credit hour, completion of the leadership practicum project, and seminars related to the role and responsibilities of the educational leader.

*Repeatability:* This course may be repeated up to a total of 9 credits.

### **EDA7190: The Evolving Idea of the Educational Leader**

**3**

*Description:* Students in this course examine the roles of educational leaders in history and the evolution of leader roles in society. This course uses research, theory, history, biography, and fiction to frame changing concepts of leaders and leadership. Enrollment is limited to students admitted to the doctoral program.

### **EDA7192: Leadership: The Group/Team Context**

**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 IV: Leadership Change**

**3**

*Description:* Change in schools will be analyzed using rational and nonrational frameworks. Factors affecting change at the federal, state and local levels will be identified. Students will develop a case study of an organization experiencing change. The enrollment is limited to students admitted to the doctoral program.



**EDA7194: Seminar in Educational Policy** **3**

*Description:* Students enrolled in this course will examine the specific issues related to leadership and educational policy in a seminar format. The enrollment is limited to students admitted to the doctoral program.

**EDA7262: Educational Leadership III: Organizational Theory and Design** **3**

*Description:* The structure of educational organizations will be examined from an assessment and contingency design perspective. Contemporary school structures as well as alternatives for the future, including multicultural settings, will be considered. The role of the leader as design facilitator and innovator will be discussed. The enrollment is limited to students admitted to the doctoral program.

**EDA7400: Research in Educational Leadership:Quantitative Method** **3**

*Description:* Students enrolled in this course will engage in a close examination of the major approaches to quantitative research in educational leadership. A critical analysis of their appropriateness and strengths in studying research questions in applied contexts will also be covered. The enrollment is limited to students admitted to the doctoral program.

**EDA7410: Research in Educational Leadership:Qualitative Method** **3**

*Description:* The course includes a close examination of major approaches to qualitative research related to educational leadership and critical analysis of their appropriateness and strengths with regard to various research questions, with application to field situations and practitioner questions. The enrollment is limited to students admitted to the doctoral program.

**EDA7420: Foundations of Research in Educational Leadership** **3**

*Description:* The course is a study of approaches to problem identification and problem solving in education and a survey of research in educational leadership. Emphasis will be on quantitative and qualitative approaches to problem identification and problem solving in education. The enrollment is limited to students admitted to the doctoral program.

**EDA7421: Inquiry into Research in Educational Leadership** **1**

*Description:* This course is designed to develop analytical and technical skills in educational research appropriate to concurrent courses in the doctoral program in educational leadership. The enrollment is limited to students admitted to the doctoral program.

*Repeatability:* This course may be repeated for a maximum of three credits.

**EDA7905: Individual Study and Research****v.**

*Prerequisite:* Consent of instructor

**1-**

*Description:* This course is designed for students who wish to undertake a study of selected topics related to educational leadership.

**3**

*Repeatability:* This course may be repeated with change of content up to a maximum of 12 credits.

**EDA7945: Practicum: Leadership Assessment and Development****v.****1-****6**

*Description:* This practicum requires students to complete a variety of leadership assessment activities, to analyze assessment information, and to use assessment data to formulate a plan for continued leadership development. The enrollment is limited to students admitted to the doctoral program.

*Repeatability:* This course may be repeated for up to 6 credits.

**EDA7979: Research Seminar in Educational Leadership****v.****3-****6**

*Description:* The course includes advanced experiences in designing, conducting, reporting, and critiquing various phases of quantitative and qualitative educational research. The enrollment is limited to students admitted to the doctoral program.

*Repeatability:* This course may be repeated up to 12 credits.

**EDA7980: Doctoral Dissertation Research****v.****1-****12**

*Description:* Students must register for a minimum of 24 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: Psycho-Social Aspects of Learning and Instruction**

**3**

*Description:* The course includes an overview and comparison of learning theories and instructional strategies. The course includes review of the effects of cultural and gender differences on the learning and instruction processes and the effects of the presence of an exceptionality on these processes. The enrollment is limited to students admitted to the doctoral program.

### **EDF7545: Philosophy of Education**

**3**

*Description:* The course is an investigation into the basic assumptions and ideas of education, human nature, and human society, with emphasis upon the epistemological, ethical, and value dimensions of education. The enrollment is limited to students admitted to the doctoral program.

### **EDF7635: Cultural and Social Foundations of Education**

**3**

*Description:* Social and cultural forces affecting school practice are examined in the context of major theories of the sociology of education, concepts of multicultural education, and theories of leadership. Relations among educational policy, multicultural curriculum development, school achievement, and diverse lifestyles and learning styles are explored. The enrollment is limited to students admitted to the doctoral program.

### **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.

### **EDG6403: Foundations of Conflict Transformation** **3**

*Description:* This course includes diverse approaches to conflict resolution as well as methods of understanding, managing and transforming different types of conflict. Students will identify, examine and proactively respond to extant conflicts.

### **EDG6625: Curriculum Leadership (School Leadership III)** **3**

*Description:* This course includes an in-depth study of current issues, trends, and research related to school curricula at the primary, elementary, middle school, or secondary school levels within regular or exceptional student programs. The goal of the course is to provide students an understanding of policies, practices, and procedures related to the development of the K-12 school curriculum.

### **EDG6911: Action Research in Education** **3**

*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 the participants of the inquiry. The course provides the opportunity for teachers, counselors, and educational administrators 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 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.

### **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.

### **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.

### **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.

### **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.

### **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 is designed to provide the student with an introduction to the theories, practices and processes for providing leadership of an instructional program and supervision and development of instructional personnel. Special attention is given to the process of mentoring, coaching, serving as a lead instructor, and using a clinical instructional development model. All students are required to complete an applied field-based project in which they work directly with an instructor as an instructional coach.

### **EDS6130: Human Resource Development in Education (Operational Leadership I)**

**3**

*Description:* This course includes a study of the theories, practices, processes and procedures which comprise the personnel and supervisory functions within educational organizations. Emphasis is placed on recruitment, selection, induction, assessment, development, and collective bargaining.

### **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.

### **EME6061: Educational Technology Portfolio**

**0**

*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.

### **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.

### **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.

### **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.

### **MHS6201: Assessment in Counseling**

**3**

*Prerequisite:* Introduction to Statistics or equivalent

*Description:* The course includes the study of standardized and projective instruments for testing of individuals in areas such as intelligence, attitudes, personality and motivation.

### **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.**

*Prerequisite:* MHS 6006, MHS 6400 and MHS 6510

**1-**

*Co-requisite:* MHS 6830

**3**

*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: Career and Lifestyle Development** **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.

### **SDS6640: 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.

## **SDS6645: 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.

## **SDS6646: 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.

## **SDS6700: 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.

## **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**

*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 in School Counseling: Career Advising/Appraisal/Advocacy** **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-**

*Description:* This course is offered for variable hours and title.

**3**

**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.

**SPM5206: Ethics and Issues in Sport** **3**

*Prerequisite:* SPM 6008

*Co-requisite:* SPM 6008

*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**

*Prerequisite:* SPM 6008

*Co-requisite:* SPM 6008

*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**

*Prerequisite:* SPM 6008

*Co-requisite:* SPM 6008

*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**

*Prerequisite:* SPM 6008

*Co-requisite:* SPM 6008

*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**

*Prerequisite:* SPM 6008

*Co-requisite:* SPM 6008

*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.



# Graduate Courses

## Exceptional, Deaf and Interpreter Education

### Course Descriptions:

#### **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 Special Education**

**3**

In consonance with the conceptual framework of the COEHS, this course will be focused on the acquisition of knowledge and skills for advanced study in the psychology and sociology of exceptional learners. The course examines exceptional learners in terms of cognitive, affective and psychomotor characteristics and their functioning 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 Management for Learners with Exceptionalities**

**3**

*Prerequisite:* EEX 5053 The course will be focused on the acquisition of knowledge and skills in classroom management and applying such knowledge and skills to learners with exceptionalities. Students are expected to participate fully in class discussions, drawing from the assigned weekly readings and relevant social and professional experiences.

### **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 Special Education**

**3**

*PREREQS:* EEX 3202, EEX 4604, EEX 5053. This course is designed for advanced special education majors and allows for an in-depth study of specific controversial topics concerning exceptional students.

### **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**

**3**

## Child

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: Language Arts for the Learning Impaired Student**

**3**

*Prerequisite:* Certification in one area of special education. Advanced study in the diagnosis and remediation of disabilities of written language, spelling, reading, and handwriting. Course will focus on learning impaired individuals from kindergarten through college. Field experience required.

### **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.**

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.

**1-3**

**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.

**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.

**EEX6841: Practicum in Special Education** **v.**

*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

**3-9**

**EEX6911: Independent Study and Research** **v.**

*Prerequisite:* Permission required. Supervised readings and utilization of current research findings in special education. May be repeated up to 12 credits.

**1-3**

**EEX6936: Advanced Seminar: Current Topics in Special Education** **v.**

A seminar designed for advanced special education students that allows for an in-depth study of specific topics in mental retardation, learning disabilities, and emotional disturbances. May be repeated up to 36 credits.

**1-3**

**EGI6051: Nature and Needs of the Gifted** **3**

An introduction to the characteristics and unique educational needs of the gifted. Philosophical considerations, historical perspectives, types of giftedness, incidence, identification and evaluation procedures will be explored. Field experience required.

**EGI6231: Curriculum and Programming for the Gifted** **3**

*Prerequisite:* EGI 6051 or permission of instructor. A seminar designed to explore curriculum models, adjustments and specific instructional strategies necessary for teaching the gifted. Alternative prototypes and models of program development will be examined. Field experience required.

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**EGI6246: Educating Special Populations of the Gifted** **3**

*Prerequisite:* EGI 6051. This course focuses on characteristics, assessment, and programmatic considerations for specific populations of gifted students. Underachievers, minority, handicapped, and preschool gifted are included.

**EGI6305: Theory and Development of Creativity** **3**

A course designed with emphasis on elements of creativity such as fluency, flexibility, originality, and elaboration. Special attention will be given to the development of the participants' resources in this area as well as techniques for unlocking potential of others.

**EGI6415: Counseling for the Education of the Gifted** **3**

*Prerequisite:* EGI 6051 or permission of instructor. Specialized techniques to meet the unique guidance and counseling needs of the gifted. Consideration will be given to the following: child study techniques, career education, parent counseling, underachievement and concomitant handicapping conditions.

**EHD5315: Psychology and Education of the Deaf and Hard of Hearing** **3**

This course will address the complex issues and practices that serve as the foundation of working with students who are deaf or hard of hearing. Specifically, it will provide an introduction to the nature and needs of students who are deaf or hard of hearing with attention to identification, characteristics, assessment and intervention. This course includes field experience.

**EHD5341: Curriculum and Instruction for the Deaf or Hard of Hearing** **3**

*Prerequisite:* EHD 4311 or permission of the instructor. This course provides an analysis of curricula appropriate for students who are deaf or hard of hearing at all educational levels. The development, adaptation, and use of curriculum materials and instructional procedures will be addressed as well as lesson and unit planning. The development and implementation of individual educational plans will also be addressed. Field experience is required.

**EHD6241: Language Instruction for the Deaf or Hard of Hearing** **3**

This course is a methods course that focuses on the instruction of language arts to students who are deaf or hard of hearing. Field experience required.

**EHD6242: Teaching Speech to the Hearing Impaired Child** **3**

Theoretical and practical aspects in teaching speech to children with hearing impairments.

**EHD6281: Teaching Speech Practicum** **1**

*Prerequisite:* EEX 4101, EHD 4311, EHD 4261, EHD 6241. *Corequisite:* EHD 6242. This practicum course will provide students in the Deaf Education program opportunity to work with students who are deaf or hard of hearing in developing speech reading and auditory comprehension skills. Field experience is required.

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**EHD6343: Reading Instruction for the Deaf or Hard of Hearing** **3**

*Prerequisite:* EHD 6241. This course is a methods course that focuses on the instruction of reading to students who are deaf or hard of hearing. Field experience required.

**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.

**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: Interpreter Education: Past, Present and Future** **3**

*Description:* Students will review the history of 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, identify current issues and vision together some strategies to move the field forward.

**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.

### **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.

### **INT6277: ASL Expansion and Compression Technique** **3**

*Prerequisite:* INT 6276

*Description:* In this course, students will continue development of ASL and English translation and interpretation skills with a focus on appropriate ASL expansions and compressions. They will participate in active discussion of articles regarding standard practices, appropriate working conditions, and the argument that meaning is co-constructed by the participants in a communication event, including the interpreter, rather than being carried in the words/signs of a discourse. Students will master the use of advanced linguistic features including contextualization, register variation, and proper intonation in ASL and English.

### **INT6425: Interpreting in Legal Settings**

**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.

### **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.

### **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. Topics covered include online instructional design, developing objective and measurable learning outcomes, techniques for assessing student knowledge and skills, and how to provide efficient and useful feedback.

### **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.

### **INT6932: Special Topics in Interpretation**

**3**

*Prerequisite:* Consent of instructor. Selected topics will address current needs in interpretation and transliteration studies including interpreting in settings with persons who have minimal language skills, managing vicarious trauma, and interpreting in critical legal settings.

### **INT6942: Internship I**

**3**

*Description:* This capstone course is designed for students who do not have prior experience teaching interpreting. The experience includes supervised teaching in short-term educational settings such as summer institutes for educational interpreters or school-to-work trainings. Students will develop a teaching portfolio, receive mentorship from experienced interpreter educators, and put their studies in interpreting pedagogy into practice.

### **INT6943: Internship II**

**3**

*Prerequisite:* INT 6942

*Description:* This course is designed for experienced interpreter educators to further develop skills in teaching the interpreting process, designing curriculum, and assessing student outcomes. Students will gain mentored experience in onsite teaching and online teaching by working as a Teaching Assistant in interpreter education programs that offer distance delivery of courses.

### **INT6944: Interpreting Internship**

**6**

*Prerequisites:* INT 6911, INT 6932, INT 6276, INT 6277, INT 5275, SPA 6619, TSL 6525, INT 5954, INT 5457, EHD 5315 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 200 hours of field-based experience.





# Graduate Courses

## Foundations and Secondary Education

### Course Descriptions:

#### **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.

#### **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.

#### **EDF6971: Research for Master's Thesis**

**v.**

*Prerequisite:* Completion of 24 graduate program hours and written permission signed by both the program sponsor and division chairperson. Limited to qualified M.Ed. candidates. A course designed to guide qualified M.Ed. candidates through the steps necessary to complete a master's thesis.

**1-**

**6**

#### **EDG5935: Seminar: Studies in Education**

**v.**

Study of interdisciplinary or interdepartmental problems which are related to education. May be repeated up to 24 credits.

**1-**

**3**

#### **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.

### **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.

### **EDG6626: Curriculum and Instruction for Adult Learning** 3

Prerequisites: EDA 6302. 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.

### **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**

Consent of division chair or specific faculty member required. May be repeated up to 24 credits.

**v.  
0-  
3****EDG6923: Curriculum Readings**

*Prerequisite:* Culminating Experience/Chair Signature. A culminating master's degree course designed to synthesize the major components of the Curriculum and Instruction graduate program.

**3****ESE6215: The Secondary School Curriculum**

In-depth reading and discussion of the curriculum organization and operation of the secondary school (grades 6-12).

**3****ESE6947: Professional Internship**

*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.

**v.  
1-  
6****FLE6665: Current Trends in Teaching Foreign Languages**

Prerequisites: FLE 4333 or teaching experience, as well as fluency in the target language and in English. This course is designed for the experienced classroom teacher or for individuals with a background in foreign language methods. It provides updated information on programs and methodology regarding the teaching of foreign languages. The focus is on a proficiency-oriented approach and its implications in the classroom.

**3****LAE5330: Teaching Shakespeare's Plays**

*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.

**3****LAE6339: Special Methods in Teaching English**

*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.

**3****MAE6336: Special Methods in Teaching Mathematics**

*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.

**3****SCE5465: Science, Technology and Society**

This course examines instructional methods, materials, and curricula for teaching the

**3**

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.

**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.

**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.

## Table of Contents

**Major: Nursing**  
**Concentration: Nursing-RN**  
**Degree: BS in Nursing**

### Prerequisites (27 credits)

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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 2.90 or higher cumulative and prerequisite GPAs for consideration at the time of the application deadline. 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.

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.

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.

\*\*If taking MCB course at UNF, BSC1010c and CHM2045/2045L are required prerequisites.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

### Major Requirements (30 credits)

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Must be completed with a grade of "C" or higher

- A minimum 2.9 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.

NUR3065L Health Assessment (3 Credits)

NUR3166 Nursing Science I (1 Credit)

NUR3619 Family/Community Assessment (3-4 Credits)

NUR3825 Socialization Prof Nursing (2 Credits)

NUR3082 Perspectives in Chronicity (3 Credits)

NUR3082L Perspectives in Chroncty: Prac (1 Credit)

NUR3167 Nursing Science II (2 Credits)

NUR4826 Applied Nursing Ethics (2 Credits)  
NUR4827 Leadership/Mgmt in Nursing (3 Credits)  
NUR4168 Nursing Science III (1 Credit)  
NUR4636 Community Partnerships (3 Credits)  
NUR4636L Community Nursing Practice (2 Credits)  
NUR4945 Professional Integration (2 Credits)  
NUR4945L Directed Clinical Study (1-3 Credits)

#### **NCLEX Validation Credit (30 credits)**

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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

## Table of Contents

### Major: Nursing

### Concentration: Prelicensure Accel. Nursing

### Degree: BS in Nursing

#### Prerequisites (27 credits)

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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 2.90 or higher cumulative and prerequisite GPAs for consideration at the time of the application deadline. 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.

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.

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.

\*\*If taking MCB course at UNF, BSC1010c and CHM2045/2045L are required prerequisites.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

#### 1st Semester (14 credits)

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Summer semester

Must be completed with a grade of "C" or higher.

NUR3028L Nursing Competencies (2 Credits)

NUR3065L Health Assessment (3 Credits)

NUR3128 Pathophysiology/Pharmacology (4 Credits)

NUR3619 Family/Community Assessment (3-4 Credits)

NUR3619L Clinical Practicum I (2 Credits)

#### 2nd Semester (18 credits)

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Fall semester

Must be completed with a grade of "C" or higher.

NUR3532 Psych Nsg Concepts (2 Credits)



NUR3229 Adult Hlth I Rehab Nsg (2 Credits)  
NUR3225 Adult Hlth II Med Surg Nsg (4 Credits)  
NUR3235L Clinical Practicum II (6 Credits)  
NUR3816 Professional Nursing Concepts (4 Credits)

### **3rd Semester (14 credits)**

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Spring semester

Must be completed with a grade of "C" or higher.

NUR3167 Nursing Science II (2 Credits)  
NUR4492 Women's Hlth Nsg Concepts (1 Credit)  
NUR4352 Concepts of Pediatric Nursing (1 Credit)  
NUR4636 Community Partnerships (3 Credits)  
NUR4466L Clinical Practicum III (4 Credits)  
NUR4828 Role Transition (3 Credits)

### **4th Semester (5 credits)**

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Summer semester

Must be completed with a grade of "C" or higher.

NUR4168 Nursing Science III (1 Credit)  
NUR4945L Directed Clinical Study (1-3 Credits)

## Table of Contents

**Major: Nursing**  
**Concentration: Prelicensure Nursing**  
**Degree: BS in Nursing**

### Prerequisites (27 credits)

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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 2.90 or higher cumulative and prerequisite GPAs for consideration at the time of the application deadline. 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.

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.

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.

\*\*If taking MCB course at UNF, BSC1010c and CHM2045/2045L are required prerequisites.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSCX085c, BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

BSC2086C Human Anatomy & Physiology II (4 Credits)

BSCX086c, BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

SELECT Additional science course

Any CHMXXXX, BCHXXXX, BSCXXXX, PCBXXXX, or PHYXXXX with a minimum of 3 credit hours is acceptable.

### 1st Semester (12 credits)

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Summer or Fall semester

Must be completed with a grade of "C" or higher.

NUR3028L Nursing Competencies (2 Credits)

NUR3065L Health Assessment (3 Credits)

NUR3118L Clinical Nursing Practice (2 Credits)

NUR3619 Family/Community Assessment (3-4 Credits)

NUR3825 Socialization Prof Nursing (2 Credits)

### 2nd Semester (13 credits)

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Fall or Spring semester

Must be completed with a grade of "C" or higher.

NUR3166 Nursing Science I (1 Credit)

NUR3128 Pathophysiology/Pharmacology (4 Credits)  
NUR3531C Psych Mental Hlth Nursing (4 Credits)  
NUR3219C Adult Hlth I Rehab Nsg Concept (4 Credits)

### **3rd Semester (13 credits)**

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Spring or Fall semester

Must be completed with a grade of "C" or higher.

NUR3167 Nursing Science II (2 Credits)  
NUR3255C Adult Hlth II Med Surg Nsg Con (9 Credits)  
NUR4826 Applied Nursing Ethics (2 Credits)

### **4th Semester (13 credits)**

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Fall or Spring semester

Must be completed with a grade of "C" or higher.

NUR4351C Pediatric Nsg Conc and Prac (3 Credits)  
NUR4491C Women's Hlth Nsg Conc and Prac (3 Credits)  
NUR4827 Leadership/Mgmt in Nursing (3 Credits)  
NUR4168 Nursing Science III (1 Credit)  
SELECT ONE NURSING/HLTH SCI ELECTIVE

### **5th Semester (12 credits)**

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Spring or Summer semester

Must be completed with a grade of "C" or higher.

NUR4636C Comm Partnerships/Nur Practice (5 Credits)  
NUR4945C Profession Nursing Integration (3-7 Credits)

## Table of Contents

### Minor: Clinical & Applied Movement Sc

#### Minor: Clinical & Applied Movement Sc (23 credits)

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The Clinical & Applied Movement Sciences Minor is open to all UNF students except students pursuing Athletic Training major. A grade of C or better is required for all minor courses.

- Majors in Health Science may count a maximum of two courses (PET3312c, PET4625, PET4627 or HSC4612) towards the minor.
- Prerequisites (BSC2085c and BSC2086c) must be successfully completed prior to taking the minor coursework.
- Students completing the Clinical & Applied Movement Science minor may require an additional one or two semesters to satisfy requirements due to limited seats available in the minor courses and the courses are only offered once per academic year.

BSC2085C Human Anatomy and Physiology I (4 Credits)

BSC2086C Human Anatomy & Physiology II (4 Credits)

SELECT 5 courses

- HSC4612 Exercise Physiology for Health Sci (Fall term)
- PET3603C Intro to Sports Medicine (Fall term)
- PET3620 Intro to Athletic Injuries (Fall term) OR PET4627 Human Injury Prevention (Spring term)
- PET3312C Biomechanics (Fall term)
- PET3621C Orthopedic Taping & Bracing (Fall term)
- PET3324C Gross Anatomy for Hlth Care Professionals (Summer term)
- PET4630C Therapeutic Exercise (Fall term)
- PET4625 Research in Sports Medicine (Spring term)

Students may take either PET3620 or PET4627 but should not take both classes.

## Table of Contents

### Minor: Health Education

#### Minor: Health Education (18 credits)

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Must be completed with a C grade or higher.

- This Health Education Minor is only available to Health Science major with Community Health concentration students.
- Community Health students may select a second Minor in Professional Education offered through the College of Education and Human Services. See Brooks College of Health Advisor, and university catalog for details. Students opting to complete the second Minor in Professional Ed are exempt from completing Community Health Major Electives.

HSC4102 Fitness for Health (3 Credits)

HSC4133 Sexuality Education (3 Credits)

HSC4134 Mental/Emotional Health Ed (3 Credits)

HSC4150 Subst Abuse/Violence Prevent (3 Credits)

HSC4563 Dimensions of Hlth Older Adult (3 Credits)

HSC4572 Nutrition and Health (3 Credits)

## Table of Contents

**Major: International Business**  
**Concentration: Euromed to UNF**  
**Degree: Bachelor of Business Admin.**

### Informational Text

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- All courses must be completed with a "C" or better.
- A thesis is required as part of this program.

### 1st Semester (18 credits)

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Semester at Kedge

ACG2021X Financial Accounting  
ECO2000X Macro & Micro Economics  
GEB3001X Global Business Approach  
GEO3002X Intl. Environment & Geopolitics  
MAC2233X Calculus for Business  
MAN4600X Euro-Mediterranean Mgmt.  
FOREIGN LANGUAGE

### 2nd Semester (18 credits)

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Semester at Kedge

MAR3023X Marketing  
CGS1100X MIS Management Info Systems  
MAN3001X Intercultural Management  
MAN3504X Operations Management  
BUL3002X Business Law  
STA2023X Quantitative Methods  
PERSONAL DEVELOPMENT  
FOREIGN LANGUAGE

### 3rd Semester (18 credits)

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Semester at Kedge

ACG2071X Managerial Accounting  
ECO3001X International Trade  
GEB3003X Research Methods in Business  
GEB3004X International Business  
FIN3000X Intro to Finance  
MAN3000X Sustainable Development  
FOREIGN LANGUAGE  
PERSONAL DEVELOPMENT

### 4th Semester (18 credits)

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Semester at Kedge

GEB3005X Internship

### 5th Semester (15 credits)

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Semester at UNF

ENC2210 (GW) Technical Writing (3 Credits)  
FIN3403 Financial Management (3 Credits)  
MAN3025 Administrative Management (3 Credits)  
ECO3704 International Trade (3 Credits)  
ELECTIVE Any Business (3000-4000 level)  
ACG BUL ECO ECP ECS FIN GEB GEO GIS MAN QMB REE RMI TAX TRA

## 6th Semester (18 credits)

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### Semester at UNF

BUL3130 Legal Environment of Business (3 Credits)  
ISM4011 Intro Management Info Systems (3 Credits)  
ECO3411 Business/Economic Statistics (3 Credits)  
MAR4156 International Marketing (3 Credits)  
MAJOR ELECTIVE (take one from list)

- ACG4251 - International Accounting
- ECO4713 - The International Monetary System
- ECS3013 - Economic Development
- ECS3403 - Current Issues in the Economy of Latin America
- ECS3303 - Current Issues in the Economics of the E.U.
- FRE3430 - French for the Professional
- GEO3502 - Economic Geography
- MAN4064 - Organizational Ethics: A Global Perspective
- SPN3013 - Spanish for Business
- TAX4901 - Directed Independent Study in Taxation
- TRA4721 - International Logistics

### BUSINESS ELECTIVE (3000-4000 level)

Must select any 3000-4000 level business course that is not already a part of this program. ACG BUL ECO ECP ECS FIN GEB GEO GIS MAN MAR REE RMI TAX TRA

## 7th Semester (15 credits)

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### Semester at UNF

FIN4604 International Finance (3 Credits)  
SPC4064 Public Speaking Professionals (3 Credits)  
MAN4720 Strategic Mgmt Business Policy (3 Credits)  
BUSINESS ELECTIVE

Must select another 3000-4000 level business course that is not already a part of this program. ACG BUL ECO ECP ECS FIN GEB GEO GIS MAN MAR REE RMI TAX TRA

### BUSINESS ELECTIVE

Must select any 3000-4000 level business course that is not a part of this program. ACG BUL ECO ECP ECS FIN GEB GEO GIS MAN MAR REE RMI TAX TRA

## 8th Semester (12 credits)

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### Semester at UNF

GEB3361 International Business Interns (1-20 Credits)  
MAN4905 Directed Indiv Study in Mgmt (1-3 Credits)

## 9th Semester (8 credits)

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### Semester at UNF

GEB3361 International Business Interns (1-20 Credits)  
MAN4905 Directed Indiv Study in Mgmt (1-3 Credits)

## Table of Contents

**Major: International Business**  
**Concentration: UNF to Euromed**  
**Degree: Bachelor of Business Admin.**

### Informational Text

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- All courses must be completed with a "C" or better.
- A thesis is required as part of this program.

### 1st Semester (16 credits)

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Semester at UNF

CGS1100 Computer Applications for Busi (3 Credits)  
ENC1101 (GW) Rhetoric and Writing (3 Credits)  
FRE1120 Beginning French I (4 Credits)  
MAC1105 (GM) College Algebra (3 Credits)  
GENERAL Education Course (3 Credits)

### 2nd Semester (16 credits)

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Semester at UNF

STA2023 (GM) Elem Statistics-Business (3 Credits)  
FRE1121 Beginning French II (4 Credits)  
GENERAL Education Course (3 credits)  
GENERAL Education Course (3 credits)  
GENERAL Education Course (3 credits)

### 3rd Semester (15 credits)

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Semester at UNF

ACG2021 Prin of Financial Accounting (3 Credits)  
ECO2013 Principles of Macroeconomics (3 Credits)  
FRE2240 Intermediate French I (3 Credits)  
LIT2000 Introduction to Literature (3 Credits)  
MAC2233 (GM)Calculus for Business (3 Credits)

### 4th Semester (18 credits)

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Semester at UNF

ACG2071 Prin Managerial Accounting (3 Credits)  
ECO2023 Principles of Microeconomics (3 Credits)  
FRE2241 Intermediate French II (3 Credits)  
ECO3411 Business/Economic Statistics (3 Credits)  
GENERAL Education Course (3 credits)  
GENERAL Education Course (3 credits)

### 5th Semester (6 credits)

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Semester at UNF

ECO3704 International Trade (3 Credits)  
FIN3403 Financial Management (3 Credits)

### 6th Semester (18 credits)

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Semester at Kedge

BUL3130X European & Competitive Law  
GEO3002X Intl. Environment & Geopolitic  
GEB3004X International Business



CGS1100X MIS Management Info Systems  
MAN3000X Sustainable Development  
BUSINESS Elective

Must select 3000-4000 level business course that is not already part of this program.

ACG/BUL/ECO/ECP/FIN/GEB/GEO/ ISM/MAN/MAR/REE/RMI/TAX/TRA

FRENCH as a Foreign Language

### 7th Semester (18 credits)

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Semester at Kedge

MAR3023X Marketing  
MAN3001X Intercultural Management  
MAR4240X Organizational Behavior  
MAN4600X International Management  
MAN4082 E-Business Strategy (3 Credits)  
MAN3504 Operations Management (3 Credits)  
FRENCH as a Foreign Language

### 8th Semester (15 credits)

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Semester at Euromed

MAN4583 Project Management (3 Credits)  
SPC4064 Public Speaking Professionals (3 Credits)  
MAR4156 International Marketing (3 Credits)  
BUSINESS Elective  
Must select any 3000-4000 level course that is not already part of this program.  
ACG/BUL/ECO/ECP/FIN/GEB/GEO/GIS/ ISM/MAN/MAR/REE/RMI/TAX/TRA

BUSINESS Elective

Must select another 3000-4000 level business course that is not already a part of this program. ACG/BUL/ECO/ECP/FIN/GEB/GEO/GIS/ISM/  
MAN/MAR/REE/RMI/TAX/TRA

FRENCH as a Foreign Language

### 9th Semester (21 credits)

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Semester at Euromed

GEB3361 International Business Interns (1-20 Credits)  
MAN4905 Directed Indiv Study in Mgmt (1-3 Credits)

## Table of Contents

### Minor: Business Administration

#### Minor: Business Administration (30 credits)

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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 Administrative 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

## Table of Contents

### Minor: Finance

#### Minor: Finance (36 credits)

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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

## Table of Contents

### 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
- ECP 3000-4000 level
- ECS 3000-4000 level
- GEO 3000-4000 level
- GIS 3000-4000 level

## Table of Contents

### Minor: Geography

#### Minor: 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)

GEO2200 Physical Geography (3 Credits)

GEO2420 CD- Cultural Geography (3 Credits)

GIS3043 Introduction to GIS (3 Credits)

CHOOSE one course

GEO3502 or GEO3553

SELECT one course

GEO3372, GEA3405, GIS4048, ANT4492, INR4603, GEO4956, ECO4956,  
ACG4956, FIN4956, MAN4956, MAR4956, TRA4956 or TAX4956

## Table of Contents

### Minor: Entrepreneurship

#### Minor: Entrepreneurship (24 credits)

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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.

#### PREREQS Entrepreneurship

- FIN 3403 Financial Management
- MAN 3025 Administrative Management
- MAR 3023 Principles of Marketing

#### GEB4113 Entrepreneurship (3 Credits)

SELECT 4 courses from list:

- GEB 3154 Entrepreneurial Marketing
- FIN 4461 Financial Statement Analysis
- MAN 4583 Project Management
- GEB 3132 Family Business Management
- GEB 3124 Students in Free Enterprise
- GEB 4942 Entrepreneurial Internship
- GEB 4104 Small Business Consulting

## Table of Contents

### Minor: International Business

#### Minor: International Business (15 credits)

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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

## Table of Contents

### Major: Anthropology Degree: Bachelor of Arts

#### Prerequisites (6 credits)

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Requires grades of "C" or above.

TAKE 2 INTRO ANTHRO. (1000/2000)

- ANT

#### Major Requirements (21 credits)

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- 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 ANT 4115 Archaeological Research Strategies

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology
- ANT 4497 Ethnographic Methods(previous course # ANT4801)

#### Major Electives (15 credits)

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Only Two courses may be Foreign Culture (FC) Designated courses.

SELECT 5 FROM THE FOLLOWING:

- ANT 4990 Archaeological Field Methods
- ANT 4620 Language, Culture, and Society
- ANT 4497 Ethnographic Methods
- ANT 4905 Directed Independent Study in Anthropology
- ANT 4931 Selected Topics in Cultural Anthropology
- ANT 4083 Quantitative Methods in Anthropology
- ANT 4274 Political Anthropology
- ANT 4444 Cities & Globalization
- ANT 3243 Comparative Muslim Cultures
- ANT 3443 The City & Health
- ANT 4241 Anthropology of Religion
- ANT 3355 The African Diaspora
- ANT 4451 Anthropology of Race
- ANT 3311 (FC) Indians of the Southeast U.S.
- ANT 3212 CD-(FC) People & Cultures of the World
- ANT 3312 CD-(FC) North American Indians
- ANT 4352 (FC) People & Cultures of Africa
- ANT 4362 (FC) People & Cultures of South East Asia
- ANT 3340 Anthropology of the West Indies
- ANT 3740 Introduction to Forensic Sciences



- ANT 4331 People of the Andes
- ANT 3320 Native Peoples: Cultures of Southwest
- ANT 4025 Anthropology of Death
- ANT 4970 Honors Thesis in Anthropology

### Minor Required

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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

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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, Japanese, Latin, Russian, 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)

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#### 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).

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### Major: Music Performance Concentration: Music Technology & Production Degree: Bachelor of Music

#### Freshman Year Fall Semester (11 credits)

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MUT1111 Theory I (3 Credits)  
MUT1241 Theory I, Aural (1 Credit)  
MVK1111 Class Piano I (1 Credit)  
MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
MUS3340 Computer MIDI Score (2 Credits)  
MUMXXXX Intro to Digital Audio  
SELECT 1 APPLIED MUSIC COURSE  
SELECT 1 LARGE 2000 LEVEL ENSEMBLE

#### Freshman Year Spring Semester (12 credits)

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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  
SELECT 1 APPLIED (1000 LEVEL)

#### 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  
SELECT 1 APPLIED (2000 LEVEL)

#### 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  
SELECT 1 APPLIED (2000 LEVEL)

#### Junior Year Fall Semester (11 credits)

---

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)  
MUM3701 The Music Business (3 Credits)  
MUH3211 Music History I (3 Credits)  
MUM4729 Elec Music Prod Techniques (3 Credits)  
MUM2942 Music Technology Practicum (0 Credits)  
TAKE 2 HOURS OF FREE ELECTIVES

- 3000/4000 Level

#### **Junior Year Spring Semester (12 credits)**

---

MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
MUH2501 CD- World Music (3 Credits)  
MUH3212 Music History II (3 Credits)  
MUM4636 Audio for Media Applications (3 Credits)  
MUM2942 Music Technology Practicum (0 Credits)  
TAKE 3 HOURS OF FREE ELECTIVES

- 3000/4000 Level

#### **Junior Year Summer (6 credits)**

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MUM4943 Internship in Music Technology (6 Credits)

#### **Senior Year Fall Semester (8 credits)**

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MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
MUT4311 Orchestration (3 Credits)  
MUM4014 Seminar in Music Technology (2 Credits)  
TAKE 3 HOURS 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)  
MUM4014 Seminar in Music Technology (2 Credits)  
SELECT 3 HRS OF MUSIC ELECTIVES

- 3000/400 Level
- MUS MUT MUN MUE MUG MUO MUH MUM MVB MVJ MVK MVP MVS  
MVV MVW

TAKE One 3 credit free elective

3000-4000 level

## Table of Contents

### 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)

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SELECT ONE

Intermediate II Foreign Language course (3 credits) prefixes include:CHI, FRE, GER, POR, , RUS and SPN

#### Major Requirements (19 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 Practicum (ARH 3940), the Art History Methods (ARH 3811) and the Art History Research (ARH 4910) course.

ARH3811 Junior Methods Seminar (3 Credits)

ARH4910 Senior Research Seminar (3 Credits)

ARH3940 Art History Practicum (1 Credit)

SELECT 1 Ancient & Medieval course

- ARH 3130 The Art and Archeology of Ancient Greece
- ARH 3150 The Art and Architecture of Ancient Rome
- ARH 3211 Early Medieval Art and Architecture
- ARH 3250 Romanesque Art and Architecture
- ARH 3253 Gothic Art and Architecture

SELECT 1 Renaissance or Baroque course

- ARH 3302 Italian Renaissance Art
- ARH 3319 The Art and Architecture of Michelangelo
- ARH 3331 Northern Renaissance Art
- ARH 3350 Baroque Art
- ARH 3354 Rubens to Rembrandt: Netherlandish Baroque Art

SELECT 1 American course

- ARH 3631 African American Art History
- ARH 3621 American Art I: 1492 - 1876
- ARH 3623 American Art II: 1876 - 1940

SELECT 1 Modern course

- ARH 3410 Modern European Art I
- ARH 3434 Modern European Art II
- ARH 3404 British Art: Hogarth to Hirst
- ARH 3453 Postwar Art: 1940 - 1980
- ARH 3475 Contemporary Art: 1980 to Present

### Major Electives (12 credits)

---

SELECT 4 ARH ELECTIVES (3000/4000)

- ARH 3583 Tribal Arts
- ARH 3843 Studies in Irish Art and Architecture
- ARH 3883 The Apocalypse in Medieval and Early Modern Art
- ARH 4801 Art Criticism
- ARH 4712 Photohistory 1839 - 1916
- ARH 4713 Photohistory 1916 - to Present
- ARH 3955 Art History on Site
- ARH 4941 Internship in Art History (Museum, Gallery Internship)  
Prerequisites: ARH 2050, ARH 2051 and 3 upper-level ARH courses
- ARH 4905 Directed Individual Study Prerequisites: ARH 2050, ARH 2051 and 3 upper-level ARH courses

### Minor Required

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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 (14 credits)

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ELECTIVES 14 HOURS (3000-4000)

## Table of Contents

### Major: Music Performance Concentration: Music-Classical Piano Degree: Bachelor of Music

#### Freshman Year Fall Semester (7 credits)

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MUN2310 UNF Chorale (Lower) (1 Credit)  
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) (1 Credit)  
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) (1 Credit)  
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) (1 Credit)  
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)

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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) (1 Credit)  
MUN3453 Piano Ensemble (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

**Junior Year Spring Semester (16 credits)**

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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) (1 Credit)

MUN3453 Piano Ensemble (1 Credit)

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)**

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MUN3313 UNF Chorale (Upper) (1 Credit)

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) (1 Credit)

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)

## Table of Contents

### Major: Biology

### Concentration: Biomedical Sciences

### 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 3053/L, 3048/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 x023, x024, x321, MAC x234, x282

#### Core Requirements (12 credits)

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\*\*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 2048 Calculus Physics I
  - PHY 2048L Calculus Physics I Lab
  - 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 3120C Quantitative Analytical Chemistry.

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120C Quantitative Analytical Chemistry

### Contextual Courses (4 credits)

---

Requires grades of C or above. The Department of Biology will accept Human Anatomy I and II (BSC 2085C and BSC 2086C) as a substitute for ZOO 3733C

ZOO3733C Human Structure and Function (4 Credits)

### Major Requirements (18 credits)

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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

PCB3063C Genetics (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C Physiology (4 Credits)

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4842 Senior Seminar Preparation (1 Credit)

Pre-req is a minimum of 11 credits of upper level Biology courses.

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC4840 or BSC4842

### Major Electives (13 credits)

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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 BSC4921 may be used in the Major Elective area.

BCH4024 Mol Biol Biochem (3 Credits)

Students can take BCH4024 Molecular Biology and Biochemistry (Prerequisite: PCB 3023C) & BCH4024L Molecular Biology and Biochemistry Lab or BCH4033 Biochemistry (Prerequisite: CHM3120C and CHM2211/L)

BCH4024L Mol Biol Biochem Lab (1 Credit)

MCB3020C Microbial Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2046C

SELECT 6 HRS FROM THE FOLLOWING:

- BSC 4870 Biological Basis of Pharmacology
- BSC 4921 Biology Lecture Series
- BSC 4930 Special Topics in Biology
- PCB 4234 Biology of Cancer
- PCB 4233 Immunology
- PCB 4805 Endocrinology
- MCB 3203 Pathogenic Bacteriology
- MCB 4503 Virology
- ZOO 3713C Comparative Vertebrate Anatomy
- ZOO 4234C Parasitology
- ZOO 4715C Introduction to Canine Anatomy
- ZOO 4753C Histology
- ZOO 4485 Biology of Marine Mammals
- ZOO 4485L Biology of Marine Mammals Laboratory
- BSC 4022 Biology of Aging

### **Free Electives (13 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).

## Table of Contents

### Major: Music Performance Concentration: Music-Classical Voice Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

---

MUN2310 UNF Chorale (Lower) (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)

---

MUN2310 UNF Chorale (Lower) (1 Credit)  
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)

---

MUN2310 UNF Chorale (Lower) (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)

---

MUN2310 UNF Chorale (Lower) (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

MUG3104 Basic Conducting (2 Credits)  
MUH3211 Music History I (3 Credits)  
MUN3313 UNF Chorale (Upper) (1 Credit)  
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)

MUH3212 Music History II (3 Credits)  
MUL4602 Vocal Literature (2 Credits)  
MUN3313 UNF Chorale (Upper) (1 Credit)  
MUO3503 Opera Workshop (1 Credit)  
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)

MUN3313 UNF Chorale (Upper) (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)

---

MUH2501 CD- World Music (3 Credits)  
MUN3313 UNF Chorale (Upper) (1 Credit)  
MUO3503 Opera Workshop (1 Credit)  
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

## Table of Contents

### Major: Biology

### Concentration: Coastal 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 3053/L, 3048/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 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 2048 Calculus Physics I
  - PHY 2048L Calculus Physics I Lab
  - 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 3120C Quantitative Analytical Chemistry.

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120C Quantitative Analytical Chemistry

### 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

PCB3063C Genetics (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C Physiology (4 Credits)

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4842 Senior Seminar Preparation (1 Credit)

Pre-req is a minimum of 11 credits of upper level Biology courses.

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC4840 or BSC4842

### 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
- BOT 4503C Plant Anatomy & Physiology
- BSC 4930 Special Topics in Biology

SELECT 1 ZOOLOGY COURSE:

- ZOO 4208C Coastal Invertebrate Biology
- ZOO 4454C Ichthyology
- ZOO 4462C Herpetology
- ZOO 4485 Biology of Marine Mammals
- ZOO 4485L Biology of Marine Mammals Laboratory
- BSC 4930 Special Topics in Biology
- FAS 4354 Coastal Fisheries Management

SELECT 1 AQUATIC COURSE:

- PCB 4301C Limnology
- OCE 3008 Oceanography
- BSC 3263 Marine Biology
- BSC 4930 Special Topics in Biology

**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).



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### Major: Music Performance Concentration: Music-Harp Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

---

MUN3413 Orchestra (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.  
MVS1315 Applied Harp I (2 Credits)

#### Freshman Year Spring Semester (8 credits)

---

MUN3413 Orchestra (1 Credit)  
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 (1 Credit)  
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 (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.  
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 (1 Credit)  
MUN3498 Harp Ensemble (1 Credit)  
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 (1 Credit)  
MUN3498 Harp Ensemble (1 Credit)  
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 (1 Credit)  
MUN3498 Harp Ensemble (1 Credit)  
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 (1 Credit)  
MUN3413 Orchestra (1 Credit)  
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

## Table of Contents

### 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 3053/L, 3048/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 x023, x024, x321, MAC x234, x282

#### Core Requirements (15 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)

CHM3120C Quantitative Analytical Chemis (4 Credits)

CHS4615 Environmental Chemistry (3 Credits)

#### Major Requirements (24 credits)

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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

PCB3063C Genetics (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

OCE3008 Oceanography (3 Credits)

PCB4301C Limnology (4 Credits)

Prereqs: PCB 3043C and CHM 2046/2046L

BSC3052 Conservation Biology (3 Credits)

Prereq: BSC 2012C

SELECT 1 FROM THE FOLLOWING:

- Physiology
- Plant Anatomy & Physiology

BSC4842 Senior Seminar Preparation (1 Credit)

Pre-req is a minimum of 11 credits of upper level Biology Courses.

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC 4840

### Major Electives (21 credits)

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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
- ZOO 4485L Biology of Marine Mammals Laboratory
- BSC 4930 Special Topics in Biology
- BSC 4921 Biology Lecture Series
- FAS 4354 Coastal Fisheries Management

SELECT 9 HRS FROM THE FOLLOWING:

- GIS 3043 Intro to Geographic Information Systems
- ECP 3451 Law, Economics and Public Policy
- POS 4167 Urban Policy and Planning
- SPC 4064 Public Speaking for Professionals
- PHI 3640 Environmental Ethics
- GEO 3370 Conservation of Natural Resources
- STA 3164 Statistical Methods II

Recommended General Education Courses:

- STA 2014 Statistics
- PHI 2100 Reasoning & Critical Thinking
- ECO 2013 Macroeconomics
- MMC 2701 Communicating Across Cultures
- POS 2041 Intro to American Government

## Table of Contents

### Major: Music Performance Concentration: Music-Strings Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

---

MUN3413 Orchestra (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.

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)

---

MUN3413 Orchestra (1 Credit)  
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)

---

MUN3413 Orchestra (1 Credit)  
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)

---

MUN3413 Orchestra (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.

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)

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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

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)

MUN3411 String Chamber Ensemble (1 Credit)

MUN3413 Orchestra (1 Credit)

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

MUH3212 Music History II (3 Credits)

MUL4420 String Chamber Music Literatur (3 Credits)

MUN3411 String Chamber Ensemble (1 Credit)

MUN3413 Orchestra (1 Credit)

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.

MUN3411 String Chamber Ensemble (1 Credit)  
 MUN3413 Orchestra (1 Credit)  
 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

MUH2501 CD- World Music (3 Credits)  
 MUN3411 String Chamber Ensemble (1 Credit)  
 MUN3413 Orchestra (1 Credit)  
 MUS1010 Performance Laboratory (0 Credits)  
 MUS1011 Concert Attendance (0 Credits)  
 MUS4970 Senior Recital (0 Credits)  
 MUT4650 Composition and Improvisation (2 Credits)

## Table of Contents

### 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 3053/L, 3048/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 x023, x024, x321, MAC x234, x282

#### Core Requirements (12 credits)

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\*\*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 2048 Calculus Physics I
  - PHY 2048L Calculus Physics I Lab
  - 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 3120C Quantitative Analytical Chemistry.

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120C Quantitative Analytical Chemistry

### 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

PCB3063C Genetics (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C Physiology (4 Credits)

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4842 Senior Seminar Preparation (1 Credit)

Pre-req is a minimum of 11 credits of upper level Biology courses.

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC4840 or BSC4842

### 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:

- MCB 4603C Microbial Ecology
- PCB 4301C Limnology

SELECT 1 SURVEY COURSE:

- ZOO 3717C Comparative Vertebrate Anatomy
- ZOO 4208C Coastal Invertebrate Biology
- ZOO 4234C Parasitology
- ZOO 4454C Ichthyology
- ZOO 4462C Herpetology
- ZOO 4823C General Entomology
- MCB 3020C Microbial Biology
- BOT 4404C Marine Botany
- BOT 3712C Plant Systematics & Evolution
- PCB 4253C Developmental Biology

- ZOO 4485 Biology of Marine Mammals
- ZOO 4485L Biology of Marine Mammals Laboratory
- BSC 4930 Special Topics in Biology
- FAS 4354 Coastal Fisheries Management
- BSC 4022 Biology of Aging

### **Free Electives (19 credits)**

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#### 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).

## Table of Contents

### Major: Music Performance Concentration: Music-Woodwinds, Brass, Percus Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

---

- MUN2140 Wind Symphony (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
- SELECT 1 APPLIED MUSIC (1000 LEVEL)
  - MVB MVJ MVP (2 credits)

#### Freshman Year Spring Semester (8 credits)

---

- MUN2140 Wind Symphony (1 Credit)
- 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)

---

- MUN2140 Wind Symphony (1 Credit)
- 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)

#### Sophomore Year Spring Semester (8 credits)

---

- MUN2140 Wind Symphony (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)
- SELECT 1 APPLIED MUSIC (2000 LEVEL)
  - MVB MVJ MVP (2 credits)

#### Junior Year Fall Semester (16 credits)

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- MUG3104 Basic Conducting (2 Credits)
- MUH3211 Music History I (3 Credits)
- MUN3143 Wind Symphony (1 Credit)
- 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)

TAKE 2 HOURS OF FREE ELECTIVES

- 3000/4000 Level (2 credits)

### Junior Year Spring Semester (17 credits)

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MUH2501 CD- World Music (3 Credits)  
MUH3212 Music History II (3 Credits)  
MUN3143 Wind Symphony (1 Credit)  
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)

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 (14 credits)

---

SELECT 3 HRS OF ADVANCED MUSIC THEORY

- MUT 4421 18th Century Counterpoint (3 credits)
- MUT 4626 20th Century Counterpoint (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)

MUN3143 Wind Symphony (1 Credit)  
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)

### Senior Year Spring Semester (14 credits)

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SELECT 3 HRS OF ADVANCED MUSIC THEORY

- MUT 4421 18th Century Counterpoint (3 credits)
- MUT 4626 20th Century Counterpoint (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

MUN3143 Wind Symphony (1 Credit)

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)

## Table of Contents

### Major: Biology

### Concentration: Medical Laboratory Sciences

### Degree: Bachelor of Science

#### Prerequisites (35 credits)

---

Requires grade of C or above

BSC1010C General Biology I (4 Credits)

Acceptable substitutes: BSCx010/L, BSCx011C, BSCx011/L PCBx011C, PCBx011/L, PCBx013C, PCBx013/L, ZOOx010/L

BSC2085C Human Anatomy and Physiology I (4 Credits)

Acceptable substitutes: BSCx085/L, BSCx093C, BSCx093/L, ZOOx733C, ZOOx731C, PCBx063/L, PCBx510C, PCBx510/L

BSC2086C Human Anatomy & Physiology II (4 Credits)

Acceptable substitutes: BSCx2086/L, BSCx094C, BSCx094/L, PCBx702/L, PCBx703C, PCBx703/L, PCBx134C, PCBx134/L

#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab Acceptable substitutes: CHMx040C & CHMx041 or CHM2045C

#### CHEMISTRY. II Requirement

- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab Acceptable substitutes: CHMx2046C

#### ORGANIC I REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab Acceptable substitutions: CHMx210C

#### ORGANIC II REQUIREMENT

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab Acceptable substitutes: CHMx211C

MCB2010C Microbiology (4 Credits)

Acceptable substitutes: MCBx013C, MCBx013/L, MCBx020C, MCBx020/L, MCBx023C, MCBx023/L

STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

Acceptable substitutes: STAx022, STAx023, STAx024, STAx321

#### Core Requirements (8 credits)

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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.

MCB4021C Molecular Biology Techniques (4 Credits)

PCB3023C Molecular and Cell Biology (4 Credits)

#### Major Requirements (50 credits)

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Requires grades of C or above in prerequisite courses and a minimum cumulative GPA of 2.75. Students must complete prerequisites and acceptance into the MLS program. Electronic approval must be obtained for non MLS accepted majors. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

MLS3038 Essentials of Med Lab Science (1 Credit)

MLS3220 Biological Fluid Analysis (2 Credits)  
MLS4191 Molecular Diagnostics (2 Credits)  
MLS4550C Immunohematology and Transfus (4 Credits)  
MLS4308C Hematology and Hemostasis (4 Credits)  
IHS3203 Management and Leadership (2 Credits)  
MLS4505 Clinical Immunology (3 Credits)  
MLS4462 Diagnostic Virology, Mycology (3 Credits)  
MLS4460C Diagnostic Bacteriology (4 Credits)  
MLS4627 Clinical Biochemistry (3 Credits)  
IHS4938 Senior Seminar for Medical Lab (1 Credit)  
MLS4821C Microbiology Practicum  
MLS4826C Immunology Practicum  
MLS4823C Immunohematology Practicum  
MLS4822C Hematology Practicum  
MLS4820C Biochemistry Practicum

## Table of Contents

### 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)

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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)

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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 (1 Credit)  
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)

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MUH3212 Music History II (3 Credits)  
MUN3XXX Large Ensemble  
MUN3453 Piano Ensemble (1 Credit)  
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)

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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 (3 Credits)  
MVK4941 Internship in Piano Pedagogy I (2 Credits)

### Senior Year Spring Semester (12 credits)

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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)

## Table of Contents

### Major: Biology

### Concentration: Molecular/Cell Bio. & Biotech

### Degree: Bachelor of Science

#### Prerequisites (31 credits)

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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 3053/L, 3048/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 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 2048 Calculus Physics I
  - PHY 2048L Calculus Physics I Lab
  - 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 3120C Quantitative Analytical Chemistry.

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 3120C Quantitative Analytical Chemistry

### 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

PCB3063C Genetics (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C Molecular and Cell Biology (4 Credits)

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C Physiology (4 Credits)

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4842 Senior Seminar Preparation (1 Credit)

Pre-req is a minimum of 11 credits of upper level Biology courses.

BSC4947 Senior Seminar Practicum (1 Credit)

- Prereq: BSC4840 or BSC4842

### Major Electives (11 credits)

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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)

- Students can take BCH4024 Molecular Biology and Biochemistry (Prerequisite: PCB 3023C) & BCH4024L Molecular Biology and Biochemistry Lab or BCH4033 Biochemistry (Prerequisite: CHM3120C and CHM2211/L)

BCH4024L Mol Biol Biochem Lab (1 Credit)

SELECT 1 BIOTECHNIQUES COURSE:

- ZOO 4753C Histology
- MCB 4021C Molecular Biology Techniques

SELECT 1 ADV. MOLECULAR/CELL COURSE:

- PCB 4067C Molecular Basis of Inheritance
- PCB 4234 Biology of Cancer

- PCB 4233 Immunology
- PCB 4805 Endocrinology
- PCB 4843 Cellular & Molecular Neuroscience
- MCB 3020C Microbial Biology
- MCB 4503 Virology
- BSC 4930 Special Topics in Biology
- BSC 4022 Biology of Aging

### **Free Electives (19 credits)**

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#### 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).

## Table of Contents

### Major: Philosophy Concentration: General Philosophical Studies Degree: Bachelor of Arts

#### Major Requirements (18 credits)

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Requires grades of C or higher

PHH3100 Ancient Greek Philosophy (3 Credits)

PHH3400 Modern Philosophy (3 Credits)

PHI3601 Ethics (3 Credits)

SELECT ONE FROM THE FOLLOWING: (3cr)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)

PHI3130 (GM) Symbolic Logic (3 Credits)

Or take another Logic course

PHI (3000/4000) (3 credits)

PHI4935 Philosophy Seminar (3-4 Credits)

#### Major Electives (15 credits)

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Students in the general philosophical studies track are free to select major electives from any philosophy courses offered by the program.

A minimum of 6 hours must be taken 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, PHI 3071 The Japanese Mind and PHI 3930 Germany Today or other foreign culture courses may not be used as electives in the philosophy major.

SELECT 3 COURSES AT 3000 LEVEL

- PHH/PHI/PHM/PHP (9 credits)

SELECT 2 COURSES AT 4000 LEVEL

- PHH/PHI/PHM/PHP (6 credits)

#### Minor Required

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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

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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, Japanese, Latin, Russian, 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)

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##### 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).

## Table of Contents

**Major: Chemistry**  
**Concentration: Biochemistry**  
**Degree: Bachelor of Science**

### Prerequisites (34 credits)

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#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: CHMX040 & X041, or CHMX045C

#### 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

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

#### PHYSICS REQUIREMENT

- PHY 2048 Calc-Based Physics I
- PHY 2048L Calc-Based Physics I lab
- PHY 2049 Calc-Based Physics II
- PHY 2049L Calc-Based Physics II lab

### Contextual Courses (12 credits)

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BSC1010C General Biology I (4 Credits)

BSC1011C General Biology II (4 Credits)

BSC2012C General Biology III (4 Credits)

### Major Requirements (41 credits)

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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

CHM3120C Quantitative Analytical Chemis (4 Credits)

Prereqs: CHM2045 & L and CHM2046 & L

BCH4033 Biochemistry (3 Credits)

Prereqs: CHM2211 & L, CHM 3120C

BCH4033L Biochemistry Lab (1 Credit)

Coreq: BCH4033

BCH4034 Biochemistry II (3 Credits)

Prereq: BCH 4033

BCH4034L Biochemistry II Laboratory (1 Credit)

prereq: BCH 4033L; Coreq: BCH 4034

CHM4410C Physical Chemistry I (4 Credits)

Prereqs: CHM 2046C, PHY 2049 & L, MAC 2312

CHM4411C Physical Chemistry II (4 Credits)

Prereq: CHM 4410C

CHM3610 Inorganic Chemistry (3 Credits)

Prereqs: CHM 2211 and CHM 3120C

CHM3610L Inorganic Chemistry Laboratory (1 Credit)

Prereq: CHM 3610

CHM4130C Modern Analytical Chemistry (4 Credits)

Prereq: CHM 4411C

CHM4931 Senior Seminar In Chemistry (1 Credit)

Prereq: CHM 4410C Offered Spring only

### Major Electives (7 credits)

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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
- CHM 4473 Intro Quantum Chemistry
- CHM 4620 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry
- CHM 4910 Chemical Research (2-4 credits)
- CHM 4930 ST: Chemistry
- CHM 4930 Colloids and Surfaces
- CHM 4930 Chemical Informatics
- CHS 4615 Environmental Chemistry
- CHS 4615 Environmental Chemistry Lab
- MCB 4021C Molecular Biology Techniques
- PCB 4233 Immunology
- CHM 4930 Drug Discovery

### Free Electives (2 credits)

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MAC 2313, MAS 3105 and PHI 4400 recommended as free electives.

SELECT 2 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).



## Table of Contents

### Major: Philosophy Concentration: Historical & Comparative Studies Degree: Bachelor of Arts

#### Major Requirements (18 credits)

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Requires grades of C or higher

PHH3100 Ancient Greek Philosophy (3 Credits)

PHH3400 Modern Philosophy (3 Credits)

PHI3601 Ethics (3 Credits)

SELECT ONE FROM THE FOLLOWING: (3cr)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)

PHI3130 (GM) Symbolic Logic (3 Credits)

Or take another Logic course

PHI (3000/4000) (3 credits)

PHI4935 Philosophy Seminar (3-4 Credits)

#### Major Electives (15 credits)

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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 6 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, PHI 3071 The Japanese 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 3664 Ethics East & West (3 credits)
- PHI 3930 ST: Philosophy (3 credits)
- PHI 3931 ST: East/West (3 credits)
- PHI 3935 ST: Ancient Greek Philosophy (3 credits)
- PHI 4930 ST: Philosophy (3 credits)
- PHI 4905 Directed Individual Study (3 credits)
- PHH 3104 Socrates & Sophists (3 credits)
- PHH 3500 19th Century Philosophy (3 credits)
- PHH 3811 Philosophy/Zen Buddhism (3 credits)
- PHH 3820 (FC) Chinese Philosophy (3 credits)
- PHH 4121 Ancient Greek Ethics (3 credits)
- PHH 4601 20th Contemporary Philosophy (3 credits)
- PHH 4620 20th Century Philo Anglo-American Tradition (3 credits)
- PHM 3500 Philosophy of History (3 credits)
- PHP 3700 Pragmatism (3 credits)

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP (3 credits)

#### Minor Required

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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

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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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

**Major: Chemistry**  
**Concentration: General**  
**Degree: Bachelor of Science**

### Prerequisites (34 credits)

---

#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: CHMX040 & X041, or CHMX045C

#### 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

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

#### PHYSICS REQUIREMENT

- PHY 2048 Calc-Based Physics I
- PHY 2048L Calc-Based Physics I lab
- PHY 2049 Calc-Based Physics II
- PHY 2049L Calc-Based Physics II lab

### Contextual Courses (8 credits)

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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)

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CHM3120C Quantitative Analytical Chemis (4 Credits)

Prereqs: CHM 2045, CHM 2045L & CHM 2046, CHM 2046L

BCH4033 Biochemistry (3 Credits)

Prereqs: CHM 2211, CHM 2211L & CHM 3120C

CHM4410C Physical Chemistry I (4 Credits)

Prereqs: CHM 2046, CHM 2046L, PHY 2049/L & MAC 2312

CHM4411C Physical Chemistry II (4 Credits)

Prereq: CHM 4410C

CHM3610 Inorganic Chemistry (3 Credits)

Prereq: CHM 2211 and CHM 3120C

CHM3610L Inorganic Chemistry Laboratory (1 Credit)

CHM4130C Modern Analytical Chemistry (4 Credits)

Prereqs: CHM 3120C & CHM 4411C

CHM4931 Senior Seminar In Chemistry (1 Credit)

Offered Spring semester only

### Major Electives (15 credits)

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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
- CHS 4615 Environmental Chemistry
- CHM 4473 Intro Quantum Chemistry
- CHM 4612 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry

\_SELECT 2 CREDITS FROM THE FOLLOWING:

- BCH 4033L Biochemistry Lab
- CHS 4615L Environmental Chemistry Lab
- CHM 4910 Chemical Research

SELECT 10 HRS FROM THE FOLLOWING:

(Must not have been taken from the above categories)

- CHM 3260 Advanced Organic Chemistry
- BCH 4033L Biochemistry Lab
- CHS 4615 Environmental Chemistry
- CHS 4615L Environmental Chemistry Lab
- CHM 4910 Chemical Research
- CHM 4930 ST: Chemistry
- CHM 4930 Polymer Chemistry
- PHY 3101 Modern Physics
- PHY 3101L Modern Physics Lab
- PHY 3722C Electronics For Scientists
- CHM 4473 Intro Quantum Chemistry
- PHY 4604 Quantum Mechanics
- CHM 4612 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry

### Free Electives (9 credits)

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MAC 2313, MAS 3105 and PHI 4400 recommended as free electives.

SELECT 9 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).

## Table of Contents

### Major: Philosophy Concentration: Legal-Political-Social Studies Degree: Bachelor of Arts

#### Major Requirements (18 credits)

---

Requires grades of C or higher

PHH3100 Ancient Greek Philosophy (3 Credits)

PHH3400 Modern Philosophy (3 Credits)

PHI3601 Ethics (3 Credits)

SELECT ONE FROM THE FOLLOWING: (3cr)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)

PHI3130 (GM) Symbolic Logic (3 Credits)

Or take another Logic course

PHI (3000/4000) (3 credits)

PHI4935 Philosophy Seminar (3-4 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 6 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, PHI 3071 The Japanese Mind 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 Moral Conflict (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 3100 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)

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

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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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

**Major: Chemistry**  
**Concentration: Materials Chemistry**  
**Degree: Bachelor of Science**

### Prerequisites (34 credits)

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#### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: CHMX040 & X041, or CHMX045C

#### 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

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

#### PHYSICS REQUIREMENT

- PHY 2048 Calc-Based Physics I
- PHY 2048L Calc-Based Physics I lab
- PHY 2049 Calc-Based Physics II
- PHY 2049L Calc-Based Physics II lab

### Contextual Courses (10 credits)

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COP2220 Computer Science I (3 Credits)

MAC2313 (GM) Calculus III (4 Credits)

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

### Major Requirements (42 credits)

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CHM3120C Quantitative Analytical Chemis (4 Credits)

Prereqs: CHM 2045, CHM 2045L & CHM 2046, CHM 2046L

BCH4033 Biochemistry (3 Credits)

Prereqs: CHM 2211, CHM 2211L & CHM 3120C

CHM4410C Physical Chemistry I (4 Credits)

Prereqs: CHM 2046, CHM 2046L, PHY 2049, PHY 2049L & MAC 2312

CHM4411C Physical Chemistry II (4 Credits)

Prereq: CHM 4410C

CHM3610 Inorganic Chemistry (3 Credits)

Prereq: CHM2211, CHM 3120C

CHM3610L Inorganic Chemistry Laboratory (1 Credit)

CHM4130C Modern Analytical Chemistry (4 Credits)

Prereqs: CHM 3120C & CHM 4411C

CHM4931 Senior Seminar In Chemistry (1 Credit)

Offered Spring semester only

PHY3101 Modern Physics (3 Credits)

Prereq: PHY 2049

PHZ3113 Mathematical Physics (3 Credits)

Prereqs: PHY 2049 & MAC 2313, Co-Req MAP 2302

PHY3424C Optics with Laboratory (4 Credits)

Prereqs: PHY 2049 & MAC2313

PHY3722C Electronics for Scientists (4 Credits)

Prereqs: PHY 2049, PHY 2049L & MAC2312

PHY4604 Quantum Mechanics (4 Credits)

Prereqs: PHY 3101, MAC 2313, & MAP 2302

### Major Electives (6 credits)

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SELECT 4 HRS FROM THE FOLLOWING:

- CHM 4612 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry
- PHY 3404 Solid State Physics
- EMA 3010 Introduction to Materials Science & Engineering
- CHM 3260 Advanced Organic Chemistry

SELECT 2 HOURS FROM THE FOLLOWING:

- BCH 4033L - Biochemistry Lab
- CHS 4615L - Environmental Chemistry Lab
- CHM 4910 - Chemical Research

### Free Electives (5 credits)

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MAS 3105, PHI 4400, & PHY 3101L recommended as free electives.

SELECT 5 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).



## Table of Contents

### Major: Philosophy Concentration: Literary & Cultural Studies Degree: Bachelor of Arts

#### Major Requirements (18 credits)

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Requires grades of C or higher

PHH3100 Ancient Greek Philosophy (3 Credits)

PHH3400 Modern Philosophy (3 Credits)

PHI3601 Ethics (3 Credits)

SELECT ONE FROM THE FOLLOWING: (3cr)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)

PHI3130 (GM) Symbolic Logic (3 Credits)

Or take another Logic course

PHI (3000/4000) (3 credits)

PHI4935 Philosophy Seminar (3-4 Credits)

#### Major Electives (15 credits)

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Select at least 12 hours from the following track courses. The remaining three hours may be selected from the track or any other approved philosophy course except the foreign culture courses.

At least 6 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

- PHI 3120 The Greek Experience, PHI 3071 The Japanese Mind 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 3643 Ethics & Literature (3 credits)
- PHI 3684 The Art of Living (3 credits)
- PHI 3700 Philosophy of Religion (3 credits)
- PHI 3800 Aesthetics (3 credits)
- PHI 3880 Philosophy of Film (3 credits)
- PHI 3881 Philosophy of Music (3 credits)
- PHI 3930 ST: Philosophy (3 credits)
- PHI 3931 ST: East & West (3 credits)
- PHI 4220 Philosophy of Language (3 credits)
- PHI 4930 Topics in Philosophy (3 credits)
- PHH 3811 Philosophy of Zen Buddhism (3 credits)
- PHM 3020 Philosophy of Love & Sex (3 credits)
- PHP 3786 Existentialism (3 credits)

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP (3 credits)

#### Minor Required

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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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

### Major: Chemistry

### Concentration: Pre-Medical Professions

### Degree: Bachelor of Science

#### Prerequisites (34 credits)

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##### CHEMISTRY 1 REQUIREMENT

- CHM 2045 General Chemistry I
  - CHM 2045L General Chemistry I Lab
- Acceptable substitutes: CHMX040 & X041, or CHMX045C

##### 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

MAC2312 (GM) Calculus II (4 Credits)

Acceptable substitutes: MACX282

##### PHYSICS REQUIREMENT

- PHY 2048 Calc-Based Physics I
- PHY 2048L Calc-Based Physics I lab
- PHY 2049 Calc-Based Physics II
- PHY 2049L Calc-Based Physics II lab

#### Contextual Courses (12 credits)

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BSC1010C General Biology I (4 Credits)

BSC1011C General Biology II (4 Credits)

BSC2012C General Biology III (4 Credits)

#### Major Requirements (25 credits)

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CHM3120C Quantitative Analytical Chemis (4 Credits)

Prereqs: CHM 2045, CHM 2045L & CHM 2046, CHM 2046L

BCH4033 Biochemistry (3 Credits)

Prereqs: CHM 2211, CHM 2211L & CHM 3120C

BCH4033L Biochemistry Lab (1 Credit)

CHM4410C Physical Chemistry I (4 Credits)

Prereqs: CHM 2046, CHM 2046L, PHY 2049, PHY 2049L & MAC 2312

CHM4411C Physical Chemistry II (4 Credits)

Prereq: CHM 4410C

CHM3610 Inorganic Chemistry (3 Credits)

Prereq: CHM 2211, CHM 3120C

CHM3610L Inorganic Chemistry Laboratory (1 Credit)

CHM4130C Modern Analytical Chemistry (4 Credits)

Prereqs: CHM 3120C & CHM 4410C

CHM4931 Senior Seminar In Chemistry (1 Credit)

Offered Spring semester only

### Major Electives (23 credits)

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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
- CHM 4473 Intro Quantum Chemistry
- CHM 4620 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry
- CHS 4615 Environmental Chemistry

SELECT\_ 1 HOUR FROM THE FOLLOWING:

- CHS 4615L Environmental Chemistry Lab
- CHM 4910 Chemical Research

SELECT 19 HRS FROM THE FOLLOWING:

(Must not have been taken for above categories)

- CHM 3260 Advanced Organic Chemistry
- CHM 4473 Intro Quantum Chemistry
- CHM 4620 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry
- CHM 4910 Chemical Research
- CHM 4930 ST: Chemistry
- CHM 4930 Colloids and Surfaces
- CHM 4930 Chemical Informatics
- CHS 4615 Environmental Chemistry
- CHS 4615L Environmental Chemistry Lab
- PCB 3023C Molecular and Cell Biology
- PCB 3063C Genetics
- MCB 3020C Microbial Biology

### Free Electives (2 credits)

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MAC 2313, MAS 3105 and PHI 4400 recommended as free electives.

SELECT 2 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).

## Table of Contents

### Major: Philosophy Concentration: Philosophy Advanced Studies Degree: Bachelor of Arts

#### Major Requirements (18 credits)

---

Requires grades of C or higher

PHH3100 Ancient Greek Philosophy (3 Credits)

PHH3400 Modern Philosophy (3 Credits)

PHI3601 Ethics (3 Credits)

SELECT ONE FROM THE FOLLOWING: (3cr)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)

PHI3130 (GM) Symbolic Logic (3 Credits)

Or take another Logic course

PHI (3000/4000) (3 credits)

PHI4935 Philosophy Seminar (3-4 Credits)

#### Major Electives (15 credits)

---

Select 12 hours from the following track courses. The remaining three hours may be selected from the track or any other approved philosophy course except foreign culture.

No more than 15 hrs 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, PHI 3071 The Japanese Mind 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)

- PHH 4121 Ancient Greek Ethics (3 credits)
- PHI 4220 Philosophy of Language (3 credits)
- PHI 4300 Epistemology (3 credits)
- PHI 4320 Philosophy of Mind (3 credits)
- PHI 4400 Philosophy of Science (3 credits)
- PHI 4420 Philosophy of the Social Sciences (3 credits)
- PHI 4453 Philosophy of Psychiatry (3 credits)
- PHI 4500 Metaphysics (3 credits)
- PHI 4930 Topics in Philosophy (3 credits)
- PHM 4340 Contemporary Political Philosophy (3 credits)
- PHP 4410 Kant (3 credits)
- PHP 4782 Phenomenology (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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

### Major: Communication Concentration: Advertising Degree: Bachelor of Science

#### Informational Text

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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.

#### Foundation (18 credits)

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SPC2608 Fundamentals of Speech (3 Credits)  
STA2023 (GM) Elem Statistics-Business (3 Credits)  
ENC3250 (GW) Professional Communicatio (3 Credits)

- Students should select the sections listed for Advertising majors - ENC3250 G(W)Prof. Comm:Advertising

ECO2013 Principles of Macroeconomics (3 Credits)  
ECO2023 Principles of Microeconomics (3 Credits)  
MAR3023 Principles of Marketing (3 Credits)

- Prereqs: ECO2013 and ECO2023; recommended prerequisite SOP 3004

#### Prerequisites (18 credits)

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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

#### Major Requirements (19 credits)

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MMC1004 Media Literacy (3 Credits)  
MMC3105 Advanced Writing For The Media (3 Credits)

- Prereqs: MMC1004

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004, MMC3105

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004, 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.

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 and one of the following - ADV3008, PUR3000, or MMC4500; Junior or Senior 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 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.

### **Major Electives (21 credits)**

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ADV3008 Principles of Advertising (3 Credits)

- Prereq: MMC1004, MMC3105 and MAR3023

ADV3101 Advertising Creative Strategy (3 Credits)

- Prereqs: ADV 3008, MMC1004 & MMC 3105

ADV3203 Advertising Media Graphics (3 Credits)

- Prereq: MMC1004 and MMC3105

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
- 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

### **48 Upper Level Hours (48 credits)**

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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



## Table of Contents

### Major: Philosophy Concentration: Studies in Applied Ethics Degree: Bachelor of Arts

#### Major Requirements (18 credits)

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Requires grades of C or higher

PHH3100 Ancient Greek Philosophy (3 Credits)

PHH3400 Modern Philosophy (3 Credits)

PHI3601 Ethics (3 Credits)

SELECT ONE FROM THE FOLLOWING: (3cr)

- PHI 3300 Introduction to Epistemology (3 credits)
- PHI 3500 Introduction to Metaphysics (3 credits)

PHI3130 (GM) Symbolic Logic (3 Credits)

Or take another Logic course

PHI (3000/4000) (3 credits)

PHI4935 Philosophy Seminar (3-4 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 6 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, PHI 3071 The Japanese Mind. 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 3641 Business Ethics (3 credits)
- PHI 3670 Moral Conflict (3 credits)
- PHI 3684 The Art of Living (3 credits)
- PHI 3930 ST: Philosophy (3 credits)
- PHI 4453 Philosophy of Psychiatry (3 credits)
- PHI 4674 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 3100 Social Philosophy (3 credits)
- PHM 3304 Political Philosophy (3 credits)
- PHM 3362 Global Justice (3 credits)
- PHM 3400 Philosophy of Law (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

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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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

### Major: Communication

### Concentration: Multimedia Journ. & 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.

#### Foundation (6 credits)

---

SPC2608 Fundamentals of Speech (3 Credits)  
STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

#### 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

#### Major Requirements (19 credits)

---

MMC1004 Media Literacy (3 Credits)  
MMC3105 Advanced Writing For The Media (3 Credits)

- Prereqs: MMC1004

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004, MMC3105

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004, 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.

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 and one of the following - ADV3008, PUR3000, or MMC4500; Junior or Senior 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 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.

#### Major Electives (21 credits)

---

Complete either the 18-credit Multimedia Journalism or 18-credit Multimedia Production Track listed below

MMC4500 History of Mass Communication (3 Credits)

- Prereqs: MMC 1004 & MMC 3105

## SELECT Multimedia Journalism Track

(18 credits)

- JOU 3109 Multimedia Reporting (3 credits)  
Prereqs: MMC 1004, MMC 3105, MMC 4500
- JOU 3925 Applied Journalism (3 credits)  
Prereqs: MMC 1004, MMC 3105, JOU 3109
- JOU 3342 Multimedia Storytelling (3 credits)  
Prereqs: MMC 1004, MMC 3105, MMC 4500, JOU 3109
- JOU 4348 Advanced Multimedia Storytelling (3 credits)  
Prereqs: MMC 1004, MMC 3105, MMC 4500, JOU 3109, JOU 3342

Select 2 from the following: (6 credits)

- 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

## SELECT\_ Multimedia Production Track

(18 credits)

- RTV 3260 Single-camera Video Production (3 credits)  
Prereqs: MMC 1004, MMC 3105, MMC 4500
- RTV 3228 Multi-camera Video Production (3 credits)  
Prereqs: MMC 1004, MMC 3105, MMC 4500, RTV 3260
- RTV4221 Advanced Production (3 credits)  
Prereqs: MMC 1004, MMC 3105, MMC 4500, RTV 3260, RTV3228

Select 3 from the following: (9 credits)

- ADV3202 Advertising Media Graphics (3 credits)  
Prereqs: MMC 1004, MMC 3105
- COM 3346 Interviewing: Theories and Methods (3 credits)  
Prereqs: SPC2608 or SPC4064
- MMC 3XXX Multimedia Graphics (3 credits)  
Prereqs: MMC3105
- MMC3402 Political Advertising (3 credits)
- ENC 3250 Professional Communication (3 credits)
- RTV 3000 Principles of Broadcasting (3 credits)
- RTV 3800 Media Management (3 credits)  
Prereqs: MMC1004, MMC3105 and MMC4500
- SPC 4064 Public Speaking for Professionals (3 credits)
- CRW 3610 Screenwriting Workshop (3 credits)
- FIL 3363 Documentary Production (3 credits)
- FIL 4363 Advanced Documentary Production (3 credits)
- MUM 3701 The Music Business (3 credits)

## 48 Upper Level Hours (48 credits)

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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

## Table of Contents

### 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.

#### Foundation (6 credits)

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SPC2608 Fundamentals of Speech (3 Credits)  
STA2014 (GM)Elem Statistics-Health/SS (3 Credits)

#### 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

#### Major Requirements (19 credits)

---

MMC1004 Media Literacy (3 Credits)  
MMC3105 Advanced Writing For The Media (3 Credits)

- Prereqs: MMC1004

MMC3200 Law and Ethics of Communicat (3 Credits)

- Prereqs: MMC1004, MMC3105

MMC3614 Media Theories and Effects (3 Credits)

- Prereqs: MMC1004, 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.

MMC3942 Pre Internship (1 Credit)

Prereqs: MMC1004, MMC 3105 and one of the following - ADV3008, PUR3000, or MMC4500; Junior or Senior 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 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.

#### Major Electives (21 credits)

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PUR3000 Principles of Pub Relations (3 Credits)

Prereqs: MMC1004, MMC3105

PUR3100 Public Relations Writing (3 Credits)

Prereqs: PUR 3000, MMC1004 & MMC 3105

ADV3203 Advertising Media Graphics (3 Credits)

Prereqs: MMC1004 & MMC3105

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
- 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

#### **48 Upper Level Hours (48 credits)**

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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

## Table of Contents

### Major: Criminal Justice Degree: Bachelor of Arts

#### Major Requirements (24 credits)

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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)

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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)

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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

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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

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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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

### 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)

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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)

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A grade of C or better is required in all economics courses.

SELECT 2 FROM: (3000/4000)

- ECO GEO ECP ECG  
ECO 3632/ECO 3701/ECP 3704 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

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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, Japanese, Latin, Russian, 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)**

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##### SELECT 16 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).

## Table of Contents

### Major: English Concentration: Theater/Drama Degree: Bachelor of Arts

#### Prerequisites (6 credits)

---

Requires grades of C or above.

ENC1101 (GW) Rhetoric and Writing (3 Credits)

- Acceptable substitute: ENCXXXX

ENC1102 (GW) The Informed Writer (3 Credits)

- Acceptable substitute: ENCXXXX

#### Major Requirements (30 credits)

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CATEGORY 1 (3 Credits)

- THE 2000 Theater Appreciation

CATEGORY 2 (3 credits)

Select one course in Literary Interpretation, Criticism, and/or Theory:

- ENG 4013 Approaches to Literary Interpretation
- LIT 3213 Art of Critical Reading

CATEGORY 3 (12 credits)

Select four courses in Literature in/as Performance:

- TPP 2100 Acting I
- TPP 3241 Performing Civil Rhetoric
- ENL 3333 Shakespeare
- THE 3110 History of Drama and Theater I
- THE 3111 History of Drama and Theater II
- THE 3170 Contemporary Drama and Theater
- THE 4524 Studies in Drama and Theater
- THE 4904 Independent Study in Drama and Theater
- TPP 4155 Theater Production: Performance
- TPP 4923 Theater Production: Behind-the-Scenes
- THE 4935 Special Topics in Drama and Theater
- CRW 3424 Playwrights' Project
- Other courses with permission of department chair

CATEGORY 4 (3 credits)

Select one course:

- LIT 4934 Senior Seminar
- THE 4905 Independent Study in Drama and Theater
- THE 4935 Special Topics in Drama and Theater

CATEGORY 5 (9 credits)

- Any three upper-level (3000 or 4000 level) Department of English course that are not being used to satisfy a requirement for one of the Department of English minors.

#### 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, Japanese, Latin, Russian, 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)

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### 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).

## Table of Contents

### Major: English Degree: Bachelor of Arts

#### Prerequisites (6 credits)

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Requires grades of C or above.

ENC1101 (GW) Rhetoric and Writing (3 Credits)

- Acceptable substitute: ENCXXXX

ENC1102 (GW) The Informed Writer (3 Credits)

- Acceptable substitute: ENCXXXX

#### Major Requirements (36 credits)

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##### LEARNING OUTCOME:

(6 credit hours at the 2000-level) Historical Surveys

Choose 1 Survey I(3 credits) American Literature Survey I (AML2010) (3 credits)

British Literature Survey I (ENL2012) (3 credits) World Literature Survey I (LIT2110) (3 credits)

Choose 1 Survey II(3 credits) American Literature Survey II (AML2020) (3 credits)

British Literature Survey II (ENL2022) (3 credits) World Literature Survey II (LIT2120) (3 credits)

##### LEARNING OUTCOMES

Communication and Content (15 credits)

(15 Credit Hours at the 3000-level) Required:LIT 3213 Art of Critical Reading and

Writing I (3 credits) Required:LIT 3214 Art of Critical Reading and Writing II (3 credits)

Choose 1 (3 credits): Communications, Performance, or Production: Creative Writing, Advanced Writing, Film, New Media, or Theater/Drama Choose 2 (6 credits):

Reading, Contexts, Authors, and Methods: Historical, Literary, or Cultural Studies

##### LEARNING\_ OUTCOMES:

Critical Thinking, Communication, and Content (15 credits)

(15 Credit Hours at the 4000-level) Choose 3 (9 credits): Advanced Studies in

Authors, Cultures, Literary Theories or Topics Choose 1 (3 credits): Communications,

Performance, or Production: Creative Writing, Advanced Writing, Film, New Media, or

Theater/Drama Required (3 credits): Capstone Workshop, Internship, another

designated Capstone Experience

#### Minor Required

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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, Japanese, Latin, Russian, 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)

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##### 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).

## Table of Contents

### Major: Fine Arts Concentration: Ceramics Degree: Bachelor of Fine Arts

#### Prerequisites (24 credits)

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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 Black and White 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: ART3707C
- ART4929C Senior Project (3 Credits)
- ART4965C Fine Arts Portfolio (3 Credits)

#### Major Electives (15 credits)

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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)**

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#### **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).

## Table of Contents

### Major: Fine Arts

### Concentration: Graphic Design & Digital Media

### Degree: Bachelor of Fine Arts

#### Prerequisites (24 credits)

---

Grades of C or above required in all prerequisites.

ART1300C Drawing I (3 Credits)

ART2301C Drawing II (3 Credits)

ART1201C Two-Dimensional Design (3 Credits)

ART2203C Three-Dimensional Design (3 Credits)

ARH2050 Art History Survey I (3 Credits)

ARH2051 Art History Survey II (3 Credits)

ART2605C Basic Computer Images (3 Credits)

GRA2190C Introduction to Graphic Design (3 Credits)

Prereqs: ART 2605C, ART 1300C, ART 2301C, ART 1201C & ART 2203C  
(Apply to Limited Access Program)

#### Major Requirements (42 credits)

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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.

Prerequisite policy: Courses must be taken in prerequisite order. Please check the catalog course description section for prerequisites required for major courses prior to registering. If a course is a prerequisite for another, the courses 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 advance notice to the department chairperson will be administratively withdrawn from that course.

PGY1800C Digital Photography for Design (3 Credits)

Prereq: ART 2605C

GRA2203C Prepress Production (3 Credits)

Prereq: GRA 2190C

GRA3880C Illustration (3 Credits)

Prereq: GRA 2190C

ARH4724 Graphic Design History (3 Credits)

GRA3183C Typography Studio (3 Credits)

Prereqs: GRA 2190C

GRA3833C Motion Graphics (3 Credits)

Prereqs: PGY 1800C & GRA 3880C

GRA3523C Introduction to Web Design (3 Credits)

Prereqs: PGY 1800C & GRA 3880C

GRA3118C Publication Design (3 Credits)

Prereqs: GRA 3183C & GRA 2203C

GRA3512C Corporate Identity (3 Credits)

Prereqs: GRA 3183C & GRA 2203C

GRA4137C Advanced Web Design (3 Credits)

Prereq: GRA 3523C

GRA4186C Senior Design Studio (3 Credits)

Prereqs: GRA 3183C & GRA 3512C

GRA4423 Business of Graphic Design (3 Credits)

Prereqs: Senior Status & GRA 3512C

GRA4189C Graphic Design Portfolio (3 Credits)

Prereqs: Senior Status & GRA 4186C

SELECT 1 ART HISTORY 3000/4000

- ARH

**Major Electives (12 credits)**

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Note: Students may not take any independent study courses in any Fine Arts area without prior, written approval of the department chairperson.

SELECT 4 COURSES (3000/4000) FROM:

- GRA ART ARH PGY

## Table of Contents

### 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

ART2501C Painting II (3 Credits)

ART3332C Figure Drawing II (3 Credits)

Prereq: ART 3504C

ART3504C Painting III (3 Credits)

Prereq: ART 2500C

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

**Major Electives (18 credits)**

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SELECT 6 FROM: (3000/4000)

- ART

## Table of Contents

### 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 (18 credits)

---

Requires grades of C or above. (A GPA of 3.0 or higher is required for students in the Fast Track concentration)

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
- POS 3424 Congress & the Legislative Process
- POS 3606 U.S. Supreme Court
- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4603 International Relations: Frameworks for Analysis
- INR 4703 International Political Economy

POS4930 Senior Seminar: Political Sci (3 Credits)

Prereqs: ALL 5 courses listed in the Core Requirement must be completed with a "C" or better grade and senior status

#### Major Electives (12 credits)

---

Select courses that have not been used in above areas.

SELECT 4 COURSES FROM BELOW:

- INR 3084 Terrorism Today
- INR 4334 American Defense in the Age of Mass Destruction
- POS 3114 Issues in State & Local Government
- POS 3142 Politics & Policy in Urban Government
- POS 3235 Government & Mass Media
- POS 3413 The American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3444 Parties, Campaigns & Elections
- POS 3606 The U.S. Supreme Court
- POS 3679 Mock Trial
- POS 3691 The American Legal System
- POS 3931 ST: Politics
- POS 3676 Great American Trials
- POS 3615 Soul of the Court
- POS 3653 Legal Research and Analysis
- POS 4033 Controversial Political Issues
- POS 4173 Southern Politics
- POS 4463 Interest Groups & American Democracy
- POS 4608 Constitutional Law I: Powers and Constraints

- POS 4624 Constitutional Law II: Civil Rights & Liberties
- POS 4750 Survey Research
- POS 4905 Directed Individual Study
- POS 4932 ST: Politics & Public Administration
- POS 4945 Internship/Field Experience
- POT 3075 American Politics & Popular Culture
- PUP 3053 American Political Economy

### 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, Japanese, Latin, Russian, 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).





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### 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  
1000/2000 Level
  - ART

#### Major Requirements (42 credits)

---

Prerequisites policy: Courses must be taken in prerequisite order. Please check the catalog course descriptions for prerequisites required for each course prior to registering. Prerequisites 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 Black and White Photography (3 Credits)
- ARH4710 History of Photography (3 Credits)
- PGY3276C Professional Practices (3 Credits)
- PGY3410C Intermediate Photography (3 Credits)  
Prereq: PGY 2401C
- PGY3820C Digital Imaging Photo Majors (3 Credits)  
Prereq: PGY 2401C
- PGY3153C Color Photography (3 Credits)  
Prereq: PGY 2401C, PGY 3410C and PGY 3820C
- PGY4944C Photo Practicum (3 Credits)  
(repeated four times under revolving content for 12 total credits)
- PGY4205C Advanced Lighting Principles (3 Credits)  
Prereq: PGY 2401C, PGY3513C and PGY 3410C
- PGY4443C Alternative Photo Processes (3 Credits)  
Prereqs: PGY 3410C & PGY 3820C
- PGY4218C Advanced Studio Practice (3 Credits)
- PGY4476C Photography Portfolio (3 Credits)

#### Major Electives (12 credits)

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SELECT 2 (3000/4000 level) ARH COURSES  
SELECT 2 FROM THE FOLLOWING:

- ART 3707C Sculpture Process
- ART 3786C Ceramics

- ART 2400C Introduction to Printmaking I
- ART 3443C Screen Print I
- ART 2605C Basic Computer Images

## Table of Contents

### 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 (18 credits)

---

Requires grades of C or above. (A GPA of 3.0 or higher is required for students in the Fast Track concentration)

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
- POS 3424 Congress & the Legislative Process
- POS 3606 U.S. Supreme Court
- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4603 International Relations: Frameworks for Analysis
- INR 4703 International Political Economy

POS4930 Senior Seminar: Political Sci (3 Credits)

Prereqs: ALL 5 courses listed in the Core Requirement must be completed with a "C" or better grade and senior status

#### Major Electives (12 credits)

---

Select courses that have not been used in the above areas.

SELECT 4 FROM THE FOLLOWING:

- CPO 3123 (FC) Politics & Society in Britain/Ireland
- CPO 3213 (FC) Politics & Society in Sub-Saharan Africa
- CPO 3151 (FC) Politics & Society in France
- CPO 3351 (FC) Politics & Society in Brazil
- CPO 3402 (FC) Politics of Pakistan and Afghanistan
- CPO 3643 (FC) Politics & Society in Russia
- CPO 4014 Framework Analysis in Comparative Politics
- CPO 4034 Third World Politics
- CPO 4930 ST: Comparative Politics
- INR 3084 Terrorism Today
- INR 3016 Global Issues in Contemporary Politics
- INR 3153 American Foreign Policy in the Middle East
- INR 3443 International Law & Organization
- INR 4334 American Defense in the Age of Mass Destruction
- INR 4603 Framework Analysis in International Relations
- INR 4703 International Political Economy
- PAD 4027 Issues in Public Management
- PAD 4144 Nonprofit Management
- PAD 4832 Issues in Comparative Public Administration

- PUP 3603 Medical Politics & Policy
- POS 3114 Issues in State & Local Government
- POS 3142 Politics & Policy in Urban Government
- POS 3235 Government & Mass Media
- POS 3413 American Presidency
- POS 3424 Congress and the Legislative Process
- POS 3444 Parties, Campaigns, & Elections
- POS 3606 The U.S. Supreme Court
- POS 3679 Mock Trial
- POS 3691 American Legal System
- POS 3931 ST: Politics
- POS 4033 Controversial Political Issues
- POS 4167 Urban Policy & Planning
- POS 4173 Southern Politics
- POS 4463 Interest Groups & American Democracy
- POS 4608 Constitutional Law I: Powers and Constraints
- POS 4624 Constitutional Law II: Civil Rights & Liberties
- POS 4905 Directed Individual Study
- POS 4932 ST: Politics & Public Administration
- POS 3615 Soul of the Court
- POS 3653 Legal Research and Analysis
- POS 3654 Legal Ethics, Standards, and Values
- POS 3676 Great American Trials
- POS 4093 Politics of the War on Drugs
- POS 4750 Survey Research
- POS 4945 Internship/Field Experience
- POT 3515 Good & Evil Political Perspective
- POT 3075 American Politics & Popular Culture
- POT 4314 Democratic Theory
- PUP 3053 American Political Economy
- PUP 4003 Policy Making Process
- PUP 4506 Evolution, Society, & Politics
- PUP 4612 Politics of Social Programs

### 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, Japanese, Latin, Russian, 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).

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### 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 Black and White 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).

## Table of Contents

### 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 (18 credits)

---

Requires grades of C or above. (A GPA of 3.0 or higher is required for students in the Fast Track concentration)

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
- POS 3424 Congress & the Legislative Process
- POS 3606 U.S. Supreme Court
- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4603 International Relations: Frameworks for Analysis
- INR 4703 International Political Economy

POS4930 Senior Seminar: Political Sci (3 Credits)

Prereqs: ALL 5 courses listed in the Core Requirement must be completed with a "C" or better grade and senior status

#### Major Electives (12 credits)

---

Select courses that have not been used in above areas.

SELECT 4 FROM THE FOLLOWING:

- CPO 3123 (FC) Politics & Society in Britain/Ireland
- CPO 3151 (FC) Politics & Society in France
- CPO 3351 (FC) Politics & Society in Brazil
- CPO 3402 (FC) Politics of Pakistan and Afghanistan
- CPO 3643 (FC) Politics & Society in Russia
- CPO 3213 (FC) Politics & Society in Sub-Saharan Africa
- CPO 4014 Framework Analysis for Comparative Politics
- CPO 4034 Third World Politics
- CPO 4930 ST: Comparative Politics
- INR 3016 Global Issues in Contemporary Politics
- INR 3084 Terrorism Today
- INR 3153 American Foreign Policy in the Middle East
- INR 3248 (FC) US Caribbean/Central American Relations
- INR 3443 International Law & Organization
- INR 4334 American Defense in the Age of Mass Destruction
- INR 4603 Framework Analysis for International Relations
- INR 4703 International Political Economy
- PAD 4832 Issues in Comparative Public Administration
- POS 3931 ST: Political Science



- POS 4905 Directed Individual Study
- POS 4932 ST: Political Science/Public Administration
- POS 4945 Internship/Field Experience
- PUP 4506 Evolution, Society, & Politics

### 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, Japanese, Latin, Russian, 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)

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#### 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).

## Table of Contents

### Major: French Studies Degree: Bachelor of Arts

#### Prerequisites

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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 Electives (21 credits)

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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)

### **Major Requirements (9 credits)**

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FRE3283 Fren Listening/Speaking Skills (3 Credits)  
FRE3300 French Grammar and Composition (3 Credits)  
FRE3350 Readings Fren Lit and Culture (3 Credits)

### **Minor Required**

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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.)

## Table of Contents

### Major: Political Science Concentration: Pol Sci Fast Track MPA 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 (18 credits)

---

Requires grades of C or above. (A GPA of 3.0 or higher is required for students in the Fast Track concentration)

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
- POS 3424 Congress & the Legislative Process
- POS 3606 U.S. Supreme Court
- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4603 International Relations: Frameworks for Analysis
- INR 4703 International Political Economy

POS4930 Senior Seminar: Political Sci (3 Credits)

Prereqs: ALL 5 courses listed in the Core Requirement must be completed with a "C" or better grade and senior status

#### Major Electives (12 credits)

---

Select 4 from below or 3 from below and 1 additional core courses or select 2 from below and 2 additional core courses.

SELECT 4 COURSES:

- INR 3084 Terrorism Today
- INR 4334 American Defense in the Age of Mass Destruction
- PAD 4832 Issues in Comparative Public Administration
- POS 3114 Issues in State & Local Government
- POS 3142 Politics & Policy in Urban Government
- POS 3235 Government & Mass Media
- POS 3413 American Presidency
- POS 3424 Congress & The Legislative Process
- POS 3444 Parties, Campaigns & Elections
- POS 3606 The U.S. Supreme Court
- POS 3691 American Legal System
- POS 3931 ST: Politics
- PUP 3603 Medical Politics & Policy
- POS 4033 Controversial Political Issues
- POS 4093 Politics of the War on Drugs
- POS 4173 Southern Politics
- POS 4233 Public Opinion & Interest Groups
- POS 4463 Interest Groups & American Democracy

- POS 4608 Constitutional Law I: Powers and Constraints
- POS 4624 Constitutional Law II: Civil Rights & Liberties
- POS 4905 Directed Individual Study
- POS 4932 ST: Political Science & Public Administration
- POS 4945 Internship/Field Experience
- POT 3075 American Politics & Popular Culture
- POT 3515 Good & Evil: Political Perspectives
- POT 4314 Democratic Theory
- PUP 3053 American Political Economy
- PUP 4003 Policy Making Process
- PUP 4506 Evolution, Society & Politics
- PUP 4612 Politics of Social Programs

### Minor Required

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A Public Administration minor is required for this major.\*

Minors are generally completed during the last 60 hrs of your program. See your advisor to declare this 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, Japanese, Latin, Russian, 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)

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#### SELECT 10 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).



## Table of Contents

### Major: History

### Degree: Bachelor of Arts

#### Prerequisites (6 credits)

---

Requires grades of C or higher.

SELECT 1 FROM THE FOLLOWING:

- AMH EUH WOH LAH AFH

SELECT 1 FROM THE FOLLOWING:

- AFH AMH EUH WOH LAH

#### Major Requirements (18 credits)

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Required grades of C or higher.

HIS3051 (GW)Craft Of The Historian (3 Credits)

Only offered in the fall & spring semesters

U.S. AMH @ 3000/4000 LEVEL

EUROPEAN EUH @ 3000/4000 LEVEL

GLOBAL AFH/ASH/ASN @ 3000/4000 LEVEL

1 non western or global history from Asia, Africa, or Middle East @ 3000 level

SEMINARS 2 - 4000 LEVEL HISTORY COURSES

HIS 3051 must be completed with at least a "C" before taking 4000 level courses.

Internships & independent study courses do not satisfy 4000 level requirement.

Important note: 4000 level seminar courses are offered only fall & spring semesters.

- AFH AMH EUH ASN ASH HIS LAH

#### Major Electives (12 credits)

---

Requires grades of C or higher

SELECT 4 FROM: (3000/4000)

- HIS AMH EUH ASH ASN LAH AFH

#### Minor Required

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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, Japanese, Latin, Russian, 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)

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##### 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).



## Table of Contents

### 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 (18 credits)

---

Requires grades of C or above. (A GPA of 3.0 or higher is required for students in the Fast Track concentration)

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
- POS 3424 Congress & the Legislative Process
- POS 3606 U.S. Supreme Court
- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4603 International Relations: Frameworks for Analysis
- INR 4703 International Political Economy

POS4930 Senior Seminar: Political Sci (3 Credits)

Prereqs: ALL 5 courses listed in the Core Requirement must be completed with a "C" or better grade and senior status

#### Major Electives (12 credits)

---

SELECT 4 COURSES FROM BELOW:

- INR 3084 Terrorism Today
- PAD 4027 Issues in Public Management
- PAD 4144 Nonprofit Management
- PAD 4832 Issues in Comparative Public Administration
- POS 3114 Issues in State & Local Government
- POS 3142 Politics & Policy in Urban Government
- POS 3931 ST: Politics
- POS 4167 Urban Policy & Planning
- POS 4905 Directed Individual Study
- POS 4932 ST: Politics & Public Administration
- POS 4093 Politics of the War on Drugs
- POS 4945 Internship/Field Experience
- PUP 3053 American Political Economy
- PUP 4003 Policy Making Process
- PUP 4506 Evolution, Society, & Politics
- PUP 4612 Politics of Social Programs

#### 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, Japanese, Latin, Russian, 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)

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#### 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).

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### 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 either track of the Interdisciplinary Major.

##### SELECT EITHER TRACK 1 OR TRACK 2

###### Track 1 Major Requirements for Theme-Based Interdisciplinary Studies (36 credits)

A student who elects Track 1 will choose twelve (12) upper-division (3000-4000-level) courses, including:

(i) at least one (3000-4000-level) course from COAS

(ii) capstone course involving either

a. a research project or b. an experiential learning project (based on but not limited to a TLO or transformational learning opportunity, a community-based learning opportunity, or a leadership opportunity) in which students synthesize the learning they have attained in relation to their goals and outcomes.

Courses cannot count toward both the general education requirement and the requirements for the major.

###### Track 2 Major Requirements for Competency-Based Interdisciplinary Study (36 credits)

A student who elects Track 2 will choose twelve (12) upper-division (3000-4000-level) courses, including:

(i) at least three advanced writing/communication (3000-4000-level) courses,

(ii) at least four critical thinking (3000-4000-level) courses or four quantitative reasoning and analysis (3000-4000-level) courses, and

(iii) four additional (3000-4000-level) courses that focus on specific competencies.

(iv) capstone course involving either:

a. a research project or b. an experiential learning project (based on but not limited to a TLO or transformational learning opportunity, a community-based learning opportunity, or a leadership opportunity) in which students synthesize the learning they have attained in relation to their goals and outcomes.

Courses cannot count toward both the general education requirement and the requirements for the major.

#### 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, Japanese, Latin, Russian, 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.

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**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 (18 credits)

---

Requires grades of C or above. (A GPA of 3.0 or higher is required for students in the Fast Track concentration)

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
- POS 3424 Congress & the Legislative Process
- POS 3606 U.S. Supreme Court
- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4603 International Relations: Frameworks for Analysis
- INR 4703 International Political Economy

POS4930 Senior Seminar: Political Sci (3 Credits)

Prereqs: ALL 5 courses listed in the Core Requirement must be completed with a "C" or better grade and senior status

### Major Electives (12 credits)

---

SELECT 4 COURSES FROM BELOW:

- POS 3606 The U.S. Supreme Court
- POS 3679 Mock Trial
- POS 3691 American Legal System
- POS 3931 ST: Politics
- POS 3676 Great American Trials
- POS 3615 Soul of the Court
- POS 3653 Legal Research and Analysis
- POS 3654 Legal Ethics, Standards, and Values
- POS 4608 Constitutional Law: Power & Restraint
- POS 4624 Constitutional Law: Civil Rights & Liberties
- POS 4905 Directed Individual Study
- POS 4932 ST: Politics & Public Administration
- POS 4945 Internship/Field Experience

### 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, Japanese, Latin, Russian, 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).

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### Major: International Studies Concentration: Asian Studies Degree: Bachelor of Arts

#### Foreign Language (8 credits)

---

Requires grades of C or above.

##### SELECT 1 LANGUAGE SEQUENCE

Complete one sequence of two semesters beginning-level language (such as FRE 1120 Beginning French I and FRE 1121 Beginning French II) with a grade of C or higher:

CHI FRE GER JPN POR RUS SPN

#### Requisites (6 credits)

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Requires grades of C or above.

##### SELECT 2 INTERMEDIATE LANGUAGE

Foreign language proficiency is required. Students should have foreign language proficiency or CLEP equivalent to 2 beginning-level (see Foreign Language area) and 2 intermediate-level languages (in the same language). Students may satisfy the foreign language requirement by attaining proficiency equal to that associated with completion of intermediate level courses (2000 level or above) or completion of 6 semester hours beyond the above mentioned College requirement of an 8 hour introductory sequence in any foreign language.

Select 2 intermediate courses in foreign language:

CHI FRE GER JPN POR RUS SPN

Students already proficient in two languages should take additional upper-division language courses in place of the intermediate-level language courses. Students may petition the Program Director for permission to substitute two major electives (if upper-division courses are not available in the appropriate language) or beginning-level language courses (if students wish to begin studying a new language) in place of the intermediate-level language course requisites.

#### Major Requirements (15 credits)

---

Requires grades of C or above.

ANT3212 (CD)(FC)Peoples/Cultures World (3 Credits)

ECO3701 CD-Contemporary Intl Eco (3 Credits)

GEO3553 Cultural Dimensions of Eco Geo (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis  
Prereq: CPO 2002
- INR 4603 International Relations: Frameworks of Analysis  
Prereq: INR 2002

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- HIS 3051 The Craft of the Historian (3 credits)
- POS 3713 Political Inquiry & Analysis (3 credits) \*\*\*POS 3733 Research Design for Political Scientists has replaced POS 3713 as of fall 2013.\*\*\*

#### International Educational Experience

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All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

**INR3950 Int'l Educ Experience (0 Credits)**

- A. Successful completion of an UNF sponsored study abroad program.
- B. Successful completion of another university sponsored study abroad program.
- C. Successful completion of a student exchange program abroad.
- D. Successful completion of a language study abroad program.
- E. Successful completion of an internship program abroad.
- F. Successful completion of a United States based international experience.

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**Capstone Seminar (3 credits)**

**INR4930 Capstone Seminar: Intl Studies (3 Credits)**

Prereqs: Senior standing and satisfactory completion of 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 3713

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**Major Electives (9 credits)**

Thematic or regional studies area.

For additional courses check with the list in the COAS Advising Office each semester.

SELECT 3 COURSES FROM THE FOLLOWING:

- ANT 4362 Peoples & Cultures of Southeast Asia
- ASH 3337 Gandhi/Modern India
- ASH 3401 Contemporary China
- ASH 3404 Modern China
- ASH 3440 Japanese Civilization
- ASH 3448 Hiroshima
- ASH 3620 Asian Art & Culture
- ASH 3932 Selected Topics: Asian History
- ASH 4934 Seminar: Asian History
- ASN 3106 Japanese Women
- CHI 3930 Special Topics in Chinese
- CHT 3500 Chinese Culture
- EUH 3581 Russia in Asia
- INR 4905 Directed Independent Study
- LIT 3193 Literature of the East
- PHH 3811 Philosophy of Zen Buddhism
- PHH 3820 Chinese Philosophy
- PHH 3860 Japanese Mind
- PHI 3664 Ethics East & West
- PHI 3931 East & West: Selected Topics
- REL 3310 Asian Religions
- REL 3330 Religions of India

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**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 (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).

## Table of Contents

### 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)

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology
- PSY 3213L Research Methods Lab

#### Experimental Courses (4 credits)

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Research Methods and Lab, PSY 3213 (Previous number PSY3214) AND PSY 3213L, must be completed with a grade of C or better before attempting the experimental courses.

SELECT 1 EXPERIMENTAL COURSE FROM:

- EAB 3013C Experimental Analysis of Behavior/Lab
- EXP 3680C Experimental Cognitive Psychology
- EXP 3703C Computer Applications in Psych Research
- EXP 3461C Human Learning and Performance
- PSY 4302C Psychological Testing
- SOP 3214C Experimental Social Psychology
- EXP 4252C Human Factors and Ergonomics

#### Major Requirements (15 credits)

---

CLP4143 Psychology of Abnormal Behavr (3 Credits)

DEP3054 Lifespan Developmental Psych (3 Credits)

SELECT 3 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology
- EXP 3412 Learning Theory
- EXP 3604 Cognitive Psychology
- EXP 3104 Human Sensory Perception
- PPE 4003 Theories of Personality

- PSB 3002 Psychobiology
- PSY 4604 History of Psychology
- SOP 3004 Social Psychology

### **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
- DEP 4304 Advanced Adolescent Psychology

SELECT 1 FROM THE FOLLOWING:

- CLP 4134 Childhood Psychopathology
- DEP 4060 Applied 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**

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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, Japanese, Latin, Russian, 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.

#### **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

## Table of Contents

### Major: International Studies Concentration: European Studies Degree: Bachelor of Arts

#### Foreign Language (8 credits)

---

Requires grades of C or above.

##### SELECT 1 LANGUAGE SEQUENCE

Complete one sequence of two semesters beginning-level language (such as FRE 1120 Beginning French I and FRE 1121 Beginning French II) with a grade of C or higher:

CHI FRE GER JPN POR RUS SPN

#### Requisites (6 credits)

---

Requires grades of C or above.

##### SELECT 2 INTERMEDIATE LANGUAGE

Foreign language proficiency is required. Students should have foreign language proficiency or CLEP equivalent to 2 beginning-level (see Foreign Language area) and 2 intermediate-level languages (in the same language). Students may satisfy the foreign language requirement by attaining proficiency equal to that associated with completion of intermediate level courses (2000 level or above) or completion of 6 semester hours beyond the above mentioned College requirement of an 8 hour introductory sequence in any foreign language.

Select 2 intermediate courses in foreign language:

CHI FRE GER JPN POR RUS SPN

Students already proficient in two languages should take additional upper-division language courses in place of the intermediate-level language courses. Students may petition the Program Director for permission to substitute two major electives (if upper-division courses are not available in the appropriate language) or beginning-level language courses (if students wish to begin studying a new language) in place of the intermediate-level language course requisites.

#### Major Requirements (15 credits)

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Requires grades of C or above.

ANT3212 (CD)(FC)Peoples/Cultures World (3 Credits)

ECO3701 CD-Contemporary Intl Eco (3 Credits)

GEO3553 Cultural Dimensions of Eco Geo (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis  
Prereq: CPO 2002
- INR 4603 International Relations: Frameworks of Analysis  
Prereq: INR 2002

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- HIS 3051 The Craft of the Historian (3 credits)
- POS 3713 Political Inquiry & Analysis (3 credits) \*\*\*POS 3733 Research Design for Political Scientists has replaced POS 3713 as of fall 2013.\*\*\*

#### International Educational Experience

---

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

**INR3950 Int'l Educ Experience (0 Credits)**

- A. Successful completion of an UNF sponsored study abroad program.
- B. Successful completion of another university sponsored study abroad program.
- C. Successful completion of a student exchange program abroad.
- D. Successful completion of a language study abroad program.
- E. Successful completion of an internship program abroad.
- F. Successful completion of a United States based international experience.

### **Capstone Seminar (3 credits)**

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**INR4930 Capstone Seminar: Intl Studies (3 Credits)**

Prereqs: Senior standing and satisfactory completion of 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 3713

### **Major Electives (9 credits)**

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Thematic or regional studies area.

For additional courses check the list in the COAS Advising Office each semester.

SELECT 3 COURSES FROM THE FOLLOWING:

- ARH 3434 Modern European Art II
- ARH 3930 British Art
- CPO 3123 Politics & Society in Britain & Ireland
- CPO 3151 Politics & Society in France
- CPO 3643 Politics & Society in Russia
- ECS 3303 Current Issues in the Econ of EU
- ENL 3132 British Novel II
- ENL 3503 Periods of Later British Lit
- EUH 3205 19th Century Europe
- EUH 3206 20th Century Europe
- EUH 3241 The Holocaust
- EUH 3312 History of Spain
- EUH 3320 Eastern Europe
- EUH 3451 France Since 1789
- EUH 3462 Modern Germany
- EUH 3465 Nazi Germany: Power, Society & War in Hitler's Reich
- EUH 3466 Germany Today
- EUH 3502 Modern Britain
- EUH 3530 History of British Empire
- EUH 3533 Making of Modern Ireland
- EUH 3575 Imperial Russia
- EUH 3576 Russia Since 1905
- EUH 3580 Russian Thought & Culture
- EUH 3932 Selected Topics: European History
- EUH 4294 Seminar: Modern Europe
- INR 4905 Directed Independent Study
- LIT 3184 Intro to Irish Literature & Culture
- LIT 4186 Studies in Irish Literature
- PHH 4601 20th Century Continental Philosophy
- PHH 4620 20th Century Philosophy: Anglo-Amer Tradition
- SPN 3500 Peoples & Cultures of Spain

### **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 (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).

## Table of Contents

### 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)

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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)

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology
- PSY 3213L Research Methods Lab

#### Experimental Courses (12 credits)

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For all Bachelor of Science students, Research Methods and Lab, PSY 3213 (Previous number PSY3214) and PSY 3213L, must be completed with a grade of B or better before attempting the experimental courses.

SELECT 1 FROM THE FOLLOWING:

- PSY 4302C Psychological Testing
- EXP 3703C Computer Applications in Psych Research

SELECT 2 FROM THE FOLLOWING:

- EXP 3461C Human Learning and Performance
- EXP 3680C Experimental Cognitive Psychology
- SOP 3214C Experimental Social Psychology
- EAB 3013C Experimental Analysis of Behavior/Lab
- EXP 4252C Human Factors and Ergonomics

#### Major Requirements (18 credits)

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Requires grades of C or higher.

CLP4143 Psychology of Abnormal Behavr (3 Credits)

DEP3054 Lifespan Developmental Psych (3 Credits)

SELECT A 2 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology



- EXP 3104 Human Sensory Perception
- PSB 3002 Psychobiology

SELECT B 1 FROM THE FOLLOWING:

- EXP 3412 Learning Theory
- EXP 3604 Cognitive Psychology

SELECT C 1 FROM THE FOLLOWING:

- SOP 3004 Social Psychology
- PSY 4604 History of Psychology
- PPE 4003 Theories of Personality

### 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
- DEP 4304 Advanced Adolescent Psychology

SELECT B 1 FROM THE FOLLOWING:

- CLP 4134 Childhood Psychopathology (3 credits)
- DEP 4060 Applied Developmental Psychology (3 credits)

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 3 HRS (3000/4000):

- CBH CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

### 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

## Table of Contents

### Major: International Studies Concentration: Foreign Language & Culture Degree: Bachelor of Arts

#### Foreign Language (8 credits)

---

Requires grades of C or above.

##### SELECT 1 LANGUAGE SEQUENCE

Complete one sequence of two semesters beginning-level language (such as FRE 1120 Beginning French I and FRE 1121 Beginning French II) with a grade of C or higher:

CHI FRE GER JPN POR RUS SPN

#### Requisites (6 credits)

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Requires grades of C or above.

##### SELECT 2 INTERMEDIATE LANGUAGE

Foreign language proficiency is required. Students should have foreign language proficiency or CLEP equivalent to 2 beginning-level (see Foreign Language area) and 2 intermediate-level languages (in the same language). Students may satisfy the foreign language requirement by attaining proficiency equal to that associated with completion of intermediate level courses (2000 level or above) or completion of 6 semester hours beyond the above mentioned College requirement of an 8 hour introductory sequence in any foreign language.

Select 2 intermediate courses in foreign language:

CHI FRE GER JPN POR RUS SPN

Students already proficient in two languages should take additional upper-division language courses in place of the intermediate-level language courses. Students may petition the Program Director for permission to substitute two major electives (if upper-division courses are not available in the appropriate language) or beginning-level language courses (if students wish to begin studying a new language) in place of the intermediate-level language course requisites.

#### Major Requirements (15 credits)

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Requires grades of C or above.

ANT3212 (CD)(FC)Peoples/Cultures World (3 Credits)

ECO3701 CD-Contemporary Intl Eco (3 Credits)

GEO3553 Cultural Dimensions of Eco Geo (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis  
Prereq: CPO 2002
- INR 4603 International Relations: Frameworks of Analysis  
Prereq: INR 2002

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- HIS 3051 The Craft of the Historian (3 credits)
- POS 3713 Political Inquiry & Analysis (3 credits) \*\*\*POS 3733 Research Design for Political Scientists has replaced POS 3713 as of fall 2013.\*\*\*

#### International Educational Experience

---

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 Int'l Educ Experience (0 Credits)

- A. Successful completion of an UNF sponsored study abroad program.
- B. Successful completion of another university sponsored study abroad program.
- C. Successful completion of a student exchange program abroad.
- D. Successful completion of a language study abroad program.
- E. Successful completion of an internship program abroad.
- F. Successful completion of a United States based international experience.

### Capstone Seminar (3 credits)

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INR4930 Capstone Seminar: Intl Studies (3 Credits)

Prereqs: Senior standing and satisfactory completion of 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 3713

### Major Electives (9 credits)

---

Thematic or regional studies area.

For additional courses check the list in the COAS Advising Office each semester.

SELECT 3 COURSES FROM THE FOLLOWING:

- ANT 3243 Comparative Muslim Cultures
- CHI 3930 Special Topics in Chinese
- CHT 3500 Chinese Culture
- FIL 3828 International Film
- FIL 4822 French Cinema
- FIL 4933 Topics in Foreign Language Cinema
- FOL 3930 ST: Foreign Language
- FOL 3953 Advanced Foreign Language Abroad
- FOT 3931 Studies of Foreign Culture
- FRE 3350 Reading French Lit and Culture
- FRE 3430 French for Professions
- FRE 4501 France Today
- FRE 4930 Special Topics in French Culture
- FRT 3800 French Translation Techniques
- FRT 3550 Faces of France
- FRW 3100 Survey of French Lit: Pre-19th Century
- FRW 3101 Survey of French Lit: The Modern Period
- INR 4905 Directed Independent Study
- LAH 3736 Mod Lat Am in Film
- LIT 4650 Comparative Literature
- SPN 3013 Spanish for Business
- SPN 3501 Hispanic Culture
- SPN 4541 Advanced Studies in Hispanic Culture
- SPW 3100 Spanish Literature from Middle Ages to 18th Century
- SPW 3101 Spanish Literature from the 19th to the 21st Century
- SPW 3130 Spanish American Literature to Modernismo
- SPW 3131 Spanish American Literature from Modernismo to Present
- SPW 4223 Hispanic Genres
- SPW 4394 Ibero-American Film
- SPW 4400 Periods of Spanish Literature

### 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 (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).

## Table of Contents

### 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)

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology
- PSY 3213L Research Methods Lab

#### Experimental Courses (4 credits)

---

Research Methods and Lab, PSY 3213 (Previous number PSY3214) AND PSY 3213L, must be completed with a grade of C or better before attempting the experimental courses.

SELECT 1 EXPERIMENTAL COURSE FROM:

- EAB 3013C Experimental Analysis of Behavior/Lab
- EXP 3680C Experimental Cognitive Psychology
- EXP 3703C Computer Applications in Psych Research
- EXP 3461C Human Learning and Performance
- PSY 4302C Psychological Testing
- SOP 3214C Experimental Social Psychology
- EXP 4252C Human Factors and Ergonomics

#### Major Requirements (15 credits)

---

SELECT 5 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology
- CLP 4143 Psychology of Abnormal Behavior
- DEP 3054 Lifespan Developmental Psychology
- EXP 3412 Learning Theory
- EXP 3604 Cognitive Psychology
- EXP 3104 Human Sensory Perception
- PPE 4003 Theories of Personality
- PSB 3002 Psychobiology

- PSY 4604 History of Psychology
- SOP 3004 Social Psychology

### 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 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, Japanese, Latin, Russian, 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.

### 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

## Table of Contents

### Major: International Studies Concentration: Intl Relations & Politics Degree: Bachelor of Arts

#### Foreign Language (8 credits)

---

Requires grades of C or above.

##### SELECT 1 LANGUAGE SEQUENCE

Complete one sequence of two semesters beginning-level language (such as FRE 1120 Beginning French I and FRE 1121 Beginning French II) with a grade of C or higher:

CHI FRE GER JPN POR RUS SPN

#### Requisites (6 credits)

---

Requires grades of C or above.

##### SELECT 2 INTERMEDIATE LANGUAGE

Foreign language proficiency is required. Students should have foreign language proficiency or CLEP equivalent to 2 beginning-level (see Foreign Language area) and 2 intermediate-level languages (in the same language). Students may satisfy the foreign language requirement by attaining proficiency equal to that associated with completion of intermediate level courses (2000 level or above) or completion of 6 semester hours beyond the above mentioned College requirement of an 8 hour introductory sequence in any foreign language.

Select 2 intermediate courses in foreign language:

CHI FRE GER JPN POR RUS SPN

Students already proficient in two languages should take additional upper-division language courses in place of the intermediate-level language courses. Students may petition the Program Director for permission to substitute two major electives (if upper-division courses are not available in the appropriate language) or beginning-level language courses (if students wish to begin studying a new language) in place of the intermediate-level language course requisites.

#### Major Requirements (15 credits)

---

Requires grades of C or above.

ANT3212 (CD)(FC)Peoples/Cultures World (3 Credits)

ECO3701 CD-Contemporary Intl Eco (3 Credits)

GEO3553 Cultural Dimensions of Eco Geo (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis  
Prereq: CPO 2002
- INR 4603 International Relations: Frameworks of Analysis  
Prereq: INR 2002

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- HIS 3051 The Craft of the Historian (3 credits)
- POS 3713 Political Inquiry & Analysis (3 credits) \*\*\*POS 3733 Research Design for Political Scientists has replaced POS 3713 as of fall 2013.\*\*\*

#### International Educational Experience

---



All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 Int'l Educ Experience (0 Credits)

- A. Successful completion of an UNF sponsored study abroad program.
- B. Successful completion of another university sponsored study abroad program.
- C. Successful completion of a student exchange program abroad.
- D. Successful completion of a language study abroad program.
- E. Successful completion of an internship program abroad.
- F. Successful completion of a United States based international experience.

### Capstone Seminar (3 credits)

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INR4930 Capstone Seminar: Intl Studies (3 Credits)

Prereqs: Senior standing and satisfactory completion of 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 3713

### Major Electives (9 credits)

---

Thematic or regional studies area.

For additional courses check the list in the COAS Advising Office each semester.

SELECT 3 COURSES FROM THE FOLLOWING:

- AMH 3511 The U.S. in World Affairs
- AMH 3544 The 1960s & Vietnam
- AMH 4514 Seminar: U.S. Diplomacy
- ANT 4444 Cities and Globalization
- ARH 3470 Art after 1940
- CPO 4034 Third World Politics
- CPO 4774 Comparative Political Communications
- ECO 3704 International Trade
- ECO 4504 Public Finance
- ECO 4713 The International Monetary System
- FIL 4828 International Film
- FIL 4848 World Cinema and the Cross-Cultural Encounter
- FIN 4604 International Finance
- GEO 3502 Economic Geography
- HIS 3307 Modern War
- INR 3016 Global Issues in Contemporary Politics
- INR 3084 Terrorism Today
- INR 3443 International Law & Organization
- INR 4334 American Defense in the Age of Mass Destruction
- INR 4703 International Political Economy
- INR 4905 Directed Independent Study
- PAD 4832 Issues in Comparative Public Administration
- PHM 3362 Global Justice
- REL 3443 Liberation Theologies
- SYP 3440 Social Change & International Development
- SYP 4411 Sociology of War & Peace

### 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 (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).

## Table of Contents

### 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)

RESEARCH METHODS AND LAB REQUIREMENT

Prereq: Elementary Statistics

- PSY 3213 Research Methods in Psychology
- PSY 3213L Research Methods Lab

#### Experimental Courses (12 credits)

---

For all Bachelor of Science students, Research Methods and Lab, PSY 3213 (Previous number PSY3214) and PSY 3213L, must be completed with a grade of B or better before attempting the experimental courses.

SELECT 1 FROM THE FOLLOWING:

- PSY 4302C Psychological Testing
- EXP 3703C Computer Applications in Psych Research

SELECT 2 FROM THE FOLLOWING:

- EXP 3461C Human Learning and Performance
- EXP 3680C Experimental Cognitive Psychology
- SOP 3214C Experimental Social Psychology
- EAB 3013C Experimental Analysis of Behavior/Lab
- EXP 4252C Human Factors and Ergonomics

#### Major Requirements (18 credits)

---

Requires grades of C or higher.

SELECT A 2 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
- EXP 3104 Human Sensory Perception (3 credits)
- PSB 3002 Psychobiology (3 credits)

SELECT B 1 FROM THE FOLLOWING:

- EXP 3412 Learning Theory (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)

SELECT C 2 FROM THE FOLLOWING:

- SOP 3004 Social Psychology (3 credits)
- PSY 4604 History of Psychology (3 credits)
- PPE 4003 Theories of Personality (3 credits)
- DEP 3054 Lifespan Developmental Psychology (3 credits)

SELECT D 1 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology (3 credits)
- DEP 3054 Lifespan Developmental Psychology (3 credits)
- EXP 3412 Learning Theory (3 credits)
- EXP 3104 Human Sensory Perception (3 credits)
- PPE 4003 Theories of Personality (3 credits)
- PSY 4604 History of Psychology (3 credits)
- CLP 4143 Psychology of Abnormal Behavior (3 credits)
- CLP 4313 Health Psychology (3 credits)
- SOP 3004 Social Psychology (3 credits)
- PSB 3002 Psychobiology (3 credits)
- EXP 3604 Cognitive Psychology (3 credits)

### **Major Electives (12 credits)**

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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

### **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

## Table of Contents

### Major: International Studies Concentration: Latin American Studies Degree: Bachelor of Arts

#### Foreign Language (8 credits)

---

Requires grades of C or above.

##### SELECT 1 LANGUAGE SEQUENCE

Complete one sequence of two semesters beginning-level language (such as FRE 1120 Beginning French I and FRE 1121 Beginning French II) with a grade of C or higher:

CHI FRE GER JPN POR RUS SPN

#### Requisites (6 credits)

---

Requires grades of C or above.

##### SELECT 2 INTERMEDIATE LANGUAGE

Foreign language proficiency is required. Students should have foreign language proficiency or CLEP equivalent to 2 beginning-level (see Foreign Language area) and 2 intermediate-level languages (in the same language). Students may satisfy the foreign language requirement by attaining proficiency equal to that associated with completion of intermediate level courses (2000 level or above) or completion of 6 semester hours beyond the above mentioned College requirement of an 8 hour introductory sequence in any foreign language.

Select 2 intermediate courses in foreign language:

CHI FRE GER JPN POR RUS SPN

Students already proficient in two languages should take additional upper-division language courses in place of the intermediate-level language courses. Students may petition the Program Director for permission to substitute two major electives (if upper-division courses are not available in the appropriate language) or beginning-level language courses (if students wish to begin studying a new language) in place of the intermediate-level language course requisites.

#### Major Requirements (15 credits)

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Requires grades of C or above.

ANT3212 (CD)(FC)Peoples/Cultures World (3 Credits)

ECO3701 CD-Contemporary Intl Eco (3 Credits)

GEO3553 Cultural Dimensions of Eco Geo (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis  
Prereq: CPO 2002
- INR 4603 International Relations: Frameworks of Analysis  
Prereq: INR 2002

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- HIS 3051 The Craft of the Historian (3 credits)
- POS 3713 Political Inquiry & Analysis (3 credits) \*\*\*POS 3733 Research Design for Political Scientists has replaced POS 3713 as of fall 2013.\*\*\*

#### International Educational Experience

---

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

**INR3950 Int'l Educ Experience (0 Credits)**

- A. Successful completion of an UNF sponsored study abroad program.
- B. Successful completion of another university sponsored study abroad program.
- C. Successful completion of a student exchange program abroad.
- D. Successful completion of a language study abroad program.
- E. Successful completion of an internship program abroad.
- F. Successful completion of a United States based international experience.

### **Capstone Seminar (3 credits)**

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**INR4930 Capstone Seminar: Intl Studies (3 Credits)**

Prereqs: Senior standing and satisfactory completion of 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 3713

### **Major Electives (9 credits)**

---

Thematic or regional studies area.

For additional courses check the list in the COAS Advising Office each semester.

SELECT 3 COURSES FROM THE FOLLOWING:

- ANT 3340 Anthropology of West Indies
- ANT 4331 People of the Andes
- CPO 3351 Politics & Society in Brazil
- INR 3248 US Caribbean/Central America Relations
- INR 4905 Directed Independent Study
- ECS 3403 Current Issues in Eco of Latin America
- LAH 3135 Spain in the New World
- LAH 3300 Modern Latin America
- LAH 3712 Inter-American Relations
- LAH 3736 Modern Latin America History Through Film
- LAH 3932 Selected Topics: Latin American History
- LAH 3955 Latin America Abroad
- LAH 4932 Seminar: Latin American History
- LAS 3020 Peoples & Cultures of the Caribbean
- LAS 3031 Peoples & Cultures of the Southern Cone
- LAS 3280 Issues in Modern Brazilian Culture
- LAS 3310 Peoples & Cultures of Mexico
- LAS 3930 Cultures of Latin America

### **Minor Required**

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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 (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).



## Table of Contents

### Major: Religious Studies Degree: Bachelor of Arts

#### Foundation (3 credits)

---

REL2300 (CD) Comparative Religion (3 Credits)

#### Core Requirements (9 credits)

---

Methods in the Study of Religion (9 required credit hour, grade C or higher)

REL3102 CD- Religion as Culture (3 Credits)

REL3040 Intro to Religion (3 Credits)

SELECT ONE COURSE FROM SACRED TEXTS

- REL 3293 Selected topics Bible/Scripture
- REL 3241 New Testament
- REL 3213 Hebrew Bible/OT

#### Major Requirements (18 credits)

---

TRADITIONS Select 9 credits from below:

Three courses from different areas many of which also fulfill the Foreign Culture requirements. (grade of C or higher)

Judaism

- REL 3932 Special Topics: Judaism
- REL 4937 Advanced Special Topics: Judaism
- Christianity
- REL 3505 History of Christianity
- REL 3930 Selected Topics: History of Religion (Christianity)
- REL 3931 Special Topics: Christianity
- REL 4938 Advanced Special Topics: Christianity
- Islam
- ANT 3243 Comparative Muslim Cultures
- ANT 4931 Selected Topics in Cultural Anthropology (Islam)
- REL 3933 Special Topics: Islam
- REL 4939 Advanced Special Topics: Islam
- Hinduism
- PHI 3930 Selected Topics (Indian Philosophy)
- ANT 4931 Selected Topics in Cultural Anthropology (Hinduism)
- REL 3934 Special Topics: Hinduism
- REL 4936 Advanced Special Topics: Hinduism
- Buddhism
- REL 3930 Selected Topics in History of Religion (Introduction to Buddhism)
- PHI 3930 Selected Topics (Chinese Philosophy, Indian Philosophy)
- REL 3935 Special Topics: Buddhism
- REL 4930 Advanced Special Topics: Buddhism

TOPICS IN RELIGION: 9 CREDITS

(Grade of C or higher)

- REL 3120 Religion in America
- REL 3127 Religion and the Courts
- REL 3101 Religion and Popular Culture
- REL 3148 Religion and Violence
- REL 3930 Selected Topics: History of Religion
- REL 3936 Selected Topics: Religious Thought



- PHI 3700 Philosophy of Religion
- PHI 3930 Selected Topics

### Capstone Experience (3 credits)

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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, Japanese, Latin, Russian, 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)

---

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)



## Table of Contents

### Major: International Studies Concentration: Middle East-African Studies Degree: Bachelor of Arts

#### Foreign Language (8 credits)

---

Requires grades of C or above.

##### SELECT 1 LANGUAGE SEQUENCE

Complete one sequence of two semesters beginning-level language (such as FRE 1120 Beginning French I and FRE 1121 Beginning French II) with a grade of C or higher:

CHI FRE GER JPN POR RUS SPN

#### Requisites (6 credits)

---

Requires grades of C or above.

##### SELECT 2 INTERMEDIATE LANGUAGE

Foreign language proficiency is required. Students should have foreign language proficiency or CLEP equivalent to 2 beginning-level (see Foreign Language area) and 2 intermediate-level languages (in the same language). Students may satisfy the foreign language requirement by attaining proficiency equal to that associated with completion of intermediate level courses (2000 level or above) or completion of 6 semester hours beyond the above mentioned College requirement of an 8 hour introductory sequence in any foreign language.

Select 2 intermediate courses in foreign language:

CHI FRE GER JPN POR RUS SPN

Students already proficient in two languages should take additional upper-division language courses in place of the intermediate-level language courses. Students may petition the Program Director for permission to substitute two major electives (if upper-division courses are not available in the appropriate language) or beginning-level language courses (if students wish to begin studying a new language) in place of the intermediate-level language course requisites.

#### Major Requirements (15 credits)

---

Requires grades of C or above.

ANT3212 (CD)(FC)Peoples/Cultures World (3 Credits)

ECO3701 CD-Contemporary Intl Eco (3 Credits)

GEO3553 Cultural Dimensions of Eco Geo (3 Credits)

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis  
Prereq: CPO 2002
- INR 4603 International Relations: Frameworks of Analysis  
Prereq: INR 2002

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology (3 credits)
- ANT 4497 Ethnographic Methods (3 credits)
- HIS 3051 The Craft of the Historian (3 credits)
- POS 3713 Political Inquiry & Analysis (3 credits) \*\*\*POS 3733 Research Design for Political Scientists has replaced POS 3713 as of fall 2013.\*\*\*

#### International Educational Experience

---

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 Int'l Educ Experience (0 Credits)

- A. Successful completion of an UNF sponsored study abroad program.
- B. Successful completion of another university sponsored study abroad program.
- C. Successful completion of a student exchange program abroad.
- D. Successful completion of a language study abroad program.
- E. Successful completion of an internship program abroad.
- F. Successful completion of a United States based international experience.

### Capstone Seminar (3 credits)

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INR4930 Capstone Seminar: Intl Studies (3 Credits)

Prereqs: Senior standing and satisfactory completion of 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 3713

### Major Electives (9 credits)

---

Thematic or regional studies area.

For additional courses check the list in the COAS Advising Office each semester.

SELECT 3 COURSES FROM THE FOLLOWING:

- AFH 3450 South Africa
- ANT 4352 Peoples & Cultures of Africa
- ASH 3223 Middle East
- CPO 3213 Politics & Society in Sub-Saharan Africa
- INR 4905 Directed Independent Study
- FOT 3552 Women of the Muslim-Arab World
- REL 3607 Selected Topics in Jewish Studies

### 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 (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).

## Table of Contents

### 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

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)

---

DIVERSITY SELECT TWO OF THE FOLLOWING:

- SYD 3700 Race & Cultural Minorities
- SYD 3800 Gender & Society
- ANT 3212 Peoples & Cultures of the World
- SOW 3620 Social Work with Diverse Groups

#### Major Electives (12 credits)

---

ELECTIVES SELECT FOUR OF THE FOLLOWING:

- SOW 4122 Inside the Asylum
- SOW 4654 Social Work with Children and Adolescents
- SOW 4930 Special Topics in Social Work
- SYA 4654 Evaluation Research/Program Analysis

- SYO 3110 Sociology of Sexualities
- SYO 4100 Sociology of Family
- SYO 4400 Health, Illness, & Society
- SYP 3570 Deviance & Social Control
- SYP 4730 Sociology of Aging
- CJC 3410 Methods of Offender Treatment
- CCJ 4681 Family Violence
- CJJ 3010 Juvenile Delinquency & Juvenile Justice

### **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).

## Table of Contents

### 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 (29 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 (3 Credits)

Prereq: MAC 2312

COP3503 Computer Science II (3 Credits)

Prereqs: MAC 2311, COT 3100, COP 2220

COT3210 Computability And Automata (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)

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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
- STA 4445 Probability Models

### Capstone Experience (3 credits)

---

MAS4932 Capstone Experience in Math (3 Credits)

Prereq: Senior standing & permission of department

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 (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).



## Table of Contents

**Major: Sociology**  
**Concentration: Social Welfare**  
**Degree: Bachelor of Arts**

### Prerequisites (6 credits)

---

SELECT 2 INTRO SOCIOLOGY (1000/2000)  
SYG/SYA/SYD/SYO/SYP

### Major Requirements (21 credits)

---

SYA 3300 requires an elementary statistics course as preparation.

SYA3300 Logic of Inquiry (3 Credits)  
Prereq: Elementary Statistics

RESEARCH Choose two from the following:

- SYA 3310 Qualitative Research Methods Prereq: SYA 3300
- SYA3450C Social Science Data Analysis Prereq: SYA 3300
- SYA 4654 Evaluation Research/Program Analysis Prereq: SYA 3300

SYA4010 Sociological Theory (3 Credits)

Prereq: SYG 2000 or SYG2013 & 2 upper level Sociology courses

DIVERSITY Choose one from the following:

- SYD 3800 CD Gender & Society
- SYD 3700 CD Racial & Cultural Minorities
- ANT 3212 CD/FC Peoples & Cultures of the World
- SOW 3620 Social Work with Diverse Groups

SOW3213 Social Welfare Policy (3 Credits)

SOW4352 Principles of Soc Serv Prov (3 Credits)

- Prereq: SOW 3203

### Major Electives (15 credits)

---

SELECT 2 SOCIOLOGY ELECTIVES

- SOW 4122 Inside the Asylum
- SYO 3110 Sociology of Sexualities
- SYO 4100 Sociology of Family
- SYO 4400 Health, Illness & Society
- SYP 3570 Deviance & Social Control
- SYP 4730 The Sociology of Aging
- CJC 3410 Offender Treatment
- CCJ 4681 Family Violence
- CCJ 3010 Juvenile Delinq & Juvenile Justice
- ANT 3443 The City & Health
- SYD 4601 Community Organization, Change & Development
- SOW 4930 ST: Social Welfare
- SOW 4905 Directed Independent Study - Social Work

SELECT 3 3000/4000 SOCIOLOGY ELECTIVES  
(SYA/SYD/SYO/SYP)

### 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, Japanese, Latin, Russian, 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.

## Table of Contents

### 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 (18 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 4301 be taken in the senior year.

MHF3202 (GM) Foundations of Mathematics (3 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

MAA4212 (GM) Advanced Calculus II (3 Credits)

Prereq: MAA 4211

#### Contextual Courses (4 credits)

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STA4321 (GM) Probability and Statistics (4 Credits)

Prereq: MAC 2312

#### Major Electives (9 credits)

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Check catalog course descriptions for course prerequisites.

SELECT 3 FROM THE FOLLOWING:

- MAA 4402 Complex Analysis
- MAD 3107 Discrete Mathematics
- MAD 4203 Combinatorics
- MAD 4301 Graph Theory
- MAD 4401 Numerical Analysis
- MAD 4505 Discrete Biomathematics
- MAP 3170 Financial Mathematics for Actuarial Science
- MAP 4231 Operations Research
- MAP 4341 Elementary Partial Differential Equations
- MAS 3203 Number Theory

- MAS 4156 Vector Analysis
- MAS 4302 Abstract Algebra II
- MHF 3404 History of Mathematics
- MTG 3212 Modern Geometry
- MTG 4302 Elementary Topology
- STA 4322 Statistical Theory
- STA 4445 Probability Models
- STA 4672 Prob. Models w/ App to Actuarial Science

### Capstone Experience (3 credits)

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MAS4932 Capstone Experience in Math (3 Credits)

Prereq: Senior standing & permission of department

### Minor Required

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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, Japanese, Latin, Russian, 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)

---

SELECT 3 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).

## Table of Contents

### Major: Sociology Degree: Bachelor of Arts

#### Prerequisites (6 credits)

---

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 Logic of Inquiry (3 Credits)  
Prereq: Elementary Statistics

SYA3310 Qualitative Research Methods (3 Credits)  
Prereq: SYA 3300

SYA3450C Social Science Data 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 3931 ST: Sociology
- SYA 4930 ST: Sociology
- SYA 4905 Directed Individual Study
- SYA 4900 Honors Project in Sociology
- SYA 4935 Senior Seminar
- SYO 4200 Sociology of Religion
- SYD 4510 Environment & Sociology
- SYP 4660 Sociology of Culture
- SYO 4370 Sociology of Work
- SYD 3020 Social Demography
- SYD 3410 Urban Sociology
- SYD 3700 Racial and Cultural Minorities
- SYD 3800 Gender & Society
- SYD 4601 Community Organization, Change & Development
- SYO 3110 Sociology of Sexualities
- SYO 3530 Social Stratification
- SYO 4100 Sociology of Family
- SYO 4300 Political Sociology
- SYO 4400 Health, Illness & Society
- SYP 3440 Social Change & International Development
- SYP 3570 Deviance & Social Control
- SYP 4050 Social Human Interaction
- SYP 4351 Social Movements & Social Control
- SYP 4411 Sociology of War & Peace
- SYP 4730 The Sociology of Aging
- SYO 4200 Sociology of Religion

#### 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, Japanese, Latin, Russian, 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).

## Table of Contents

### 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++

- COP

SCIENCE REQUIREMENT

1 laboratory-based science course designed for science majors.

- BSC CHM PHY GLY

#### Major Requirements (18 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 4301 be taken in the senior year.

MHF3202 (GM) Foundations of Mathematics (3 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

MAA4212 (GM) Advanced Calculus II (3 Credits)

Prereq: MAA 4211

#### 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
- MAD 3107 Discrete Mathematics
- MAD 4203 Combinatorics
- MAD 4301 Graph Theory
- MAD 4401 Numerical Analysis
- MAD 4505 Discrete Biomathematics
- MAP 3170 Financial Mathematics for Actuarial Science
- MAP 4231 Operations Research
- MAP 4341 Elementary Partial Differential Equations
- MAS 3203 Number Theory



- MAS 4156 Vector Analysis
- MAS 4302 Abstract Algebra II
- MHF 3404 History of Mathematics
- MTG 3212 Modern Geometry
- MTG 4302 Elementary Topology
- STA 4322 Statistical Theory
- STA 4445 Probability Models
- STA 4672 Prob. Models w/ App to Actuarial Science

### **Capstone Experience (3 credits)**

---

MAS4932 Capstone Experience in Math (3 Credits)

Prereq: Senior standing & permission of 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)**

---

SELECT 8 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).

## Table of Contents

### 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 and
- SPN 1121 Beginning Spanish II
- Or
- SPN 1134 Accelerated Beginning Spanish

SPN2200 Intermediate Spanish I (3 Credits)

SPN2201 Intermediate Spanish II (3 Credits)

#### Major Requirements (15 credits)

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SPN3242 Spanish Conversation (3 Credits)

Prereq: SPN 2201

For non-native speakers of Spanish only. Native and heritage speakers may substitute another 3000 or 4000-level elective, and are encouraged to select SPN 3351 Conversation and Communities for Heritage Speakers of Spanish.

SPN3300 Composition in Spanish (3 Credits)

Prereq: SPN 2201

Native and heritage speakers may substitute SPN 3350 Spanish for Speakers of Spanish for SPN 3300 Composition in Spanish.

SPW3030 Interpreting Hispanic Lit (3 Credits)

Prereqs: SPN 3242 & SPN 3300

SELECT 1 FROM THE FOLLOWING:

- SPN 3501 Hispanic Culture
- SPN 4541 Advanced Studies in Hispanic Culture

SELECT 1 FROM THE FOLLOWING:

- SPW 3100 Spanish Literature from the Middle Ages to the 18th Century
- SPW 3101 Spanish Literature from the 19th to the 21st Century
- SPW 3130 Spanish American Literature to Modernismo
- SPW 3131 Spanish American Literature from Modernismo to the Present
- SPW 4930 Advanced Studies in Hispanic Literature

#### Major Electives (15 credits)

---

SELECT 5 COURSES AT 3000/4000 LEVEL

- SPN/SPW

Students may count among their electives up to one of the following courses taught in English:

- LAS 3020 Peoples & Cultures of the Caribbean
- LAS 3031 Peoples & Cultures of the Southern Cone
- LAS 3930 Cultures of Latin America
- SPN 3500 Peoples & Cultures of Spain

Other courses in English may be counted only 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).

## Table of Contents

### Major: Music Education

### Degree: Bachelor of Music Education

#### Freshman Year Fall Semester (11 credits)

---

EDF1005 Intro to Teaching Profession (3 Credits)

MUN 2XXX Large Ensemble

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

MVK1111 Class Piano I (1 Credit)

\*Students may take a piano proficiency test to waive class piano sequence.

#### Freshman Year Spring Semester (11 credits)

---

EDF2085 Intro to Diversity Educators (3 Credits)

- Previous course number EDG2701

MUN 2XXX Large Ensemble

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

MVK1112 Class Piano II (1 Credit)

\*Students may take a piano proficiency test to waive class piano sequence.

#### Sophomore Year Fall Semester (8 credits)

---

MUN 2XXX Large Ensemble

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

MVK2121 Class Piano III (1 Credit)

\*Students may take a piano proficiency test to waive class piano sequence.

#### Sophomore Year Spring Semester (11 credits)

---

EME2040 Intro to Tech for Educators (3 Credits)

MUN 2XXX Large Ensemble

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

MVK2122 Class Piano IV (1 Credit)

\*Students may take a piano proficiency test to waive class piano sequence.

#### Junior Year Fall Semester (15 credits)

---

EDF3151 Educational Psychology (3 Credits)

MUE2440 String Techniques (1 Credit)

MUE2450 Woodwind Techniques (1 Credit)

MUG3104 Basic Conducting (2 Credits)

MUH3211 Music History I (3 Credits)  
MUN 3XXX Ensemble Elective  
MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
MUS3340 Computer MIDI Score (2 Credits)  
MV- 3XXX Applied Music

### **Junior Year Spring Semester (16 credits)**

---

EDF3945 Field Laboratory I (2-4 Credits)  
MUE2460 Brasswind Techniques (1 Credit)  
MUE2470 Percussion Techniques (1 Credit)  
MUE4311 Music Ed in Elementary Schools (3 Credits)  
MUH2501 CD- World Music (3 Credits)  
MUH3212 Music History II (3 Credits)  
MUN 3XXX Ensemble Elective  
MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
MV- 3XXX Applied Music

### **Junior Year Summer (6 credits)**

---

EDG4327 Assessment Of Learn/Behavior (3 Credits)  
EDG4410 Classroom Managment Commun (3 Credits)

### **Senior Year Fall Semester (17 credits)**

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EDF3946 Field Laboratory II (2-4 Credits)  
MUE3480 Marching Band Techniques (1 Credit)  
MUE4330 Music Ed in Secondary School (3 Credits)  
MUN 4XXX Ensemble Elective  
(Department permits MUN 3XXX in place of MUN 4XXX)  
MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
MUS4970 Senior Recital (0 Credits)  
MV- 4XXX Applied Music  
RED3333 Content Area Reading (3 Credits)  
SELECT 1 FROM THE FOLLOWING:

- MUE 3491 Choral Materials Practicum
- MUE 3332 Instrumental Material Practicum

TSL 4XXX TESOL for Content Area Teacher

- TSL 4340 TESOL Methods & Curriculum
- TSL 4324 TESOL for Secondary Content Area Teachers\*\*
- TSL 4360 TESOL Meth. & Curriculum for Secondary Teachers

\*\*TSL4324 is the preferred course for Music Education majors.

### **Senior Year Spring Semester (12 credits)**

---

MUE4940 Internship in Music Education (12 Credits)

## Table of Contents

### 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 4445 Probability Models
- 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, Japanese, Latin, Russian, 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).



## Table of Contents

### Major: Music Jazz Studies Degree: Bachelor of Music

#### Freshman Year Fall Semester (11 credits)

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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) (1 Credit)

MVK1111 Class Piano I (1 Credit)

\*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 Jazz Ensemble-Lower Level (1 Credit)

MUT1361 Jazz Fundamentals I (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

TAKE One 1000 level Applied Music

#### Freshman Year Spring Semester (11 credits)

---

MUT1112 Theory II (3 Credits)

MUT1242 Theory II, Aural (1 Credit)

MUN2120 Concert Band (Lower) (1 Credit)

MVK1112 Class Piano II (1 Credit)

\*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 Jazz Ensemble-Lower Level (1 Credit)

MUT1362 Jazz Fundamentals II (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

TAKE One 1000 level Applied Music

#### Sophomore Year Fall Semester (11 credits)

---

MUT2116 Theory III (3 Credits)

MUT2246 Advanced Aural Theory (1 Credit)

MUN2710 Jazz Ensemble-Lower Level (1 Credit)

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)

TAKE One 2000 level Applied Music

#### 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.

MUN2710 Jazz Ensemble-Lower Level (1 Credit)

MUT2642 Jazz Improvisation II (2 Credits)

MUS1010 Performance Laboratory (0 Credits)

MUS1011 Concert Attendance (0 Credits)

MVJ1210 Jazz Piano II (1 Credit)

TAKE One 2000 Level Applied Music

#### Junior Year Fall Semester (15 credits)

---

MUN4714 Jazz Combo (Small Group) (1 Credit)  
MUN3713 Jazz Ensemble (1 Credit)  
MUT3643 Jazz Improvisation III (2 Credits)  
MUH3211 Music History I (3 Credits)  
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

### Junior Year Spring Semester (12 credits)

---

The department recommends taking a Cultural Diversity for General Education requirements.

MUN4714 Jazz Combo (Small Group) (1 Credit)  
MUN3713 Jazz Ensemble (1 Credit)  
MUT3644 Jazz Improvisation IV (2 Credits)  
MUH3212 Music History II (3 Credits)  
MUT4366 Jazz Arranging II (3 Credits)  
MUS1010 Performance Laboratory (0 Credits)  
MUS1011 Concert Attendance (0 Credits)  
TAKE One 3000 Level Applied Music

### Senior Year Fall Semester (12 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 (1 Credit)  
TAKE One 4000 level Applied Music

### Senior Year Spring Semester (8 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)  
SELECT 4 HRS OF MUSIC ELECTIVES

- 3000/400 Level
- MUS MUT MUN MUE MUG MUO MUH MUM MVB MVJ MVK MVP MVS MVV MVW

MUN3713 Jazz Ensemble (1 Credit)  
TAKE One 4000 level Applied Music

## Table of Contents

### 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 4445 Probability Models
- 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).

## Table of Contents

### Minor: African Amer Studies/Diaspora

#### Minor: African Amer Studies/Diaspora (15 credits)

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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.

SELECT 1 OF THE FOLLOWING:

- Internship
- Service Learning
- Study Abroad
- Independent Study

AMH3673 The Civil Rights Movement (3 Credits)

Or an equivalent course approved by the program director

SELECT 3 COURSES FROM THE FOLLOWING:

- ANT 3340 Anthropology of the West Indies
- ANT 4352 Peoples & Cultures of Africa
- CCJ 4662 Minorities & Crime
- CJE 4211 Hate Crimes
- AFH 3450 South Africa
- AMH 3672 Atlantic Slave Trade
- AML 3621 Black American Literature
- GEO 2420 Cultural Geography
- FOL 3930 Race & Place in American Literature
- FOL 3930 Brazilian Music
- LAS 3020 Brazilian Music
- LAS 3280 Issues in Modern Brazilian Culture
- MUH 2018 The Evolution of Jazz
- MUH 3055 African American Musical Heritage
- SYD 3700 Racial & Cultural Minorities
- SYG 2013 Sex, Race, & Social Class
- ECP 2140 Race & Gender in the American Economy

## Table of Contents

### 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.

## Table of Contents

### Minor: American Literature Studies

#### Minor: American Literature Studies (15 credits)

---

Our minor in American Literature will acquaint students broadly with a range of American Literature, and will acquaint them deeply with some of the more significant American authors, as well as some of the principle concerns of the field, such as the origins and history of American Exceptionalism, and the effects of Puritan Literature and other Literatures in the Age of Conquest on later conceptions of the American self. Students will be introduced to both canonical and minority American Literature and they will investigate how both the canon and its margins have come to be constructed.

AML3031 Periods Early American Lit (3 Credits)

AML3041 Periods of Later Am Lit (3 Credits)

LIT4243 Major Authors (3 Credits)

SELECT 2 other American Lit Courses

- Students make select from two additional American Literature courses (AML prefix and department approved LIT or FIL)

## Table of Contents

### 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.

Only 1 course carrying a lower level number may apply towards the minor.

SELECT 3 FROM THE FOLLOWING:

- ANT 3212 Peoples & Cultures of the World
- CPO 4014 Comparative Politics: Frameworks for Analysis
- ECO 3701 Contemporary International Economics
- GEO 3553 Cultural Dimensions of Economic Geography
- INR 4603 International Relations: Frameworks for Analysis

SELECT 2 MINOR ELECTIVES (3000/4000)

Select 2 courses from the same concentration (see list of major electives for the International Studies Major): Asian Studies, European Studies, Latin America, International Relations & Politics, Foreign Language & Culture, Middle East & Africa.

- ASH GEO LIT PHI CPO SYP ECO EUH HIS ANT FOT INR FIL LAH SPN  
SPW AMH LAS FRT FRW HSC FIN PHH ASN ECS FIN FOL LAH LAS PHI



## Table of Contents

### Minor: Anthropology

#### Minor: Anthropology (15 credits)

---

No more than 3 semester hours, or 1 course may be a Foreign Culture (FC) designated course  
No more than 6 semester hours, or 2 courses, may be transferred in to satisfy minor course requirements.

A grade of C or better must be earned in each minor course.

SELECT 5 ANT COURSES (3000/4000)

## Table of Contents

### 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

## Table of Contents

### 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

## Table of Contents

### Minor: Literature

#### Minor: Literature (15 credits)

---

No more than 6 semester hours, or 2 courses of transfer credit may be used in the English minor.

No more than 3 semester hours, or 1 courses of lower level credit may be used in the English minor.

A minimum of 12 semester hours, or 4 courses must be upper level.

No course which fulfills a freshman composition requirement may be used in the English minor, even if the word "literature" is in the title.

A grade of C or better is required for all minor courses.

#### AMERICAN PERIODIZATION REQUIREMENT

Select One Course

- AML 3031 Periods of Early American Literature
- AML 3041 Periods of Later American Literature

#### BRITISH PERIODIZATION REQUIREMENT

Select One Course

- ENL 3501 Periods of Early British Literature
- ENL 3503 Periods of Later British Literature

#### SELECT 3 COURSES (3000/4000 LEVEL)

- AML CRW ENC ENG ENL LIT

## Table of Contents

### 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

## Table of Contents

### 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)

## Table of Contents

### 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 Japanese Women (3 credits)
- PHI 3932 Special Topics on 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)

## Table of Contents

### Minor: Mathematical Science

#### Minor: Mathematical Science (25 credits)

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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)

Prereq: MAC 1147

MAC2312 (GM) Calculus II (4 Credits)

Prereq: MAC 2311

MAC2313 (GM) Calculus III (4 Credits)

Prereq: MAC 2312

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

Prereq: MAC 2312

MAS3105 (GM) Linear Algebra (4 Credits)

Prereq: MAC 2312

SELECT 6 TO 8 HRS FROM THE FOLLOWING:

- MAA 4211 Advanced Calculus I
- MAA 4212 Advanced Calculus II
- MAA 4402 Complex Analysis
- MAD 3107 Discrete Mathematics
- MAD 4401 Numerical Analysis
- MAP 3170 Financial Mathematics for Actuarial Science
- MAP 4231 Operations Research
- MAP 4341 Elementary Partial Differential Equations
- MAS 3203 Number Theory
- MAS 4156 Vector Analysis
- MAS 4301 Abstract Algebra
- MHF 3202 Foundations of Mathematics
- MHF 3404 History of Mathematics
- MTG 3212 Modern Geometry
- MTG 4302 Elementary Topology
- STA 4321 Probability & Statistics
- STA 4445 Probability Models

#### Minor: Mathematical Science (15 credits)

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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 courses in the minor.

MAP2302 (GM) Ordinary Differ Equations (3 Credits)

MAD4401 (GM) Numerical Analysis (3 Credits)

SELECT 3 FROM THE FOLLOWING:

- MAA 4211 Advanced Calculus I
- MAA 4212 Advanced Calculus II
- MAA 4402 Complex Analysis
- MAD 3107 Discrete Mathematics
- MAD 4401 Numerical Analysis
- MAP 3170 Financial Mathematics for Actuarial Science
- MAS 3203 Number Theory
- MAS 4156 Vector Analysis
- MAS 4301 Abstract Algebra
- MHF 3202 Foundations of Mathematics



- MHF 3404 History of Mathematics
- MTG 3212 Modern Geometry
- MTG 4302 Elementary Topology
- STA 4445 Probability Models
- MAP 4231 Operations Research

#### **Minor: Mathematical Science (15 credits)**

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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)

Prereq: MAC 2312

MAD4401 (GM) Numerical Analysis (3 Credits)

SELECT 3 FROM MATH MAJOR ELECTIVES

- MAA MAC MAD MAP MAS MAT MHF MTG

## Table of Contents

### Minor: Biology

#### Minor: Biology (15 credits)

---

All courses required for the minor 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

## Table of Contents

### 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

## Table of Contents

### Minor: British Literature

#### Minor: British Literature (15 credits)

---

The British Literature minor is for students who wish to increase their knowledge of important British 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 British literature minor will be especially attractive to English majors, majors in other overlapping areas in the humanities such as History, Philosophy, and all students with interdisciplinary interests that include literature.

ENL3501 Periods Early British Lit (3 Credits)

ENL3503 Periods Later British Lit (3 Credits)

ENL3333 Shakespeare (3 Credits)

SELECT ONE 3000/4000 LEVEL ELECTIVE

- Elective must be focused on the early period (may be single-author, theme-based, etc.) with the following prefixes: ENL, LIT, or ENG

SELECT ONE 3000/4000 LEVEL ELECTIVE

- Elective must be focused on the late period (may be single-author, theme-based, etc.) with the following prefixes: ENL, LIT, or ENG

## Table of Contents

### Minor: Philosophy

#### Minor: 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 5 PHILO ELECTIVES (3000/4000)

- PHI PHH PHM PHP

## Table of Contents

### 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 4786C Advanced Ceramics (3 Credits) Repeatable once

## Table of Contents

### Minor: Photography

#### Minor: Photography (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 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 Black and White Photography (3 Credits)

PGY3410C Intermediate Photography (3 Credits)

PREREQ: PGY 2401C

PGY3820C Digital Imaging Photo Majors (3 Credits)

ARH4710 History of Photography (3 Credits)

SELECT 1 PGY 3000 - 4000 level course

(May require additional pre-requisites and/or permission from instructor.)

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### Minor: Chemistry

#### Minor: Chemistry (20 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

CHM3120C Quantitative Analytical Chemis (4 Credits)

##### ORGANIC\_1 REQUIREMENT

- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab

##### SELECT 4 HOURS FROM THE FOLLOWING:

- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab
- CHM 3610 Inorganic Chemistry
- CHM 3610L Inorganic Chemistry Lab
- BCH 4033 Biochemistry
- BCH 4033L Biochemistry Lab
- CHM 4620 Advanced Inorganic Chemistry
- CHM 4200 Solid State Chemistry

#### Minor: Chemistry (15 credits)

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Minor: Chemistry Minor for Biology Majors

All courses for the minor may be transferred with prior approval of the department chairperson.

A grade of C or better is required in each course.

##### SELECT A MINIMUM OF 15 HOURS

- BCH 4033 Biochemistry
- BCH 4033L Biochemistry Lab
- CHM 3610 Inorganic Chemistry
- CHM 3610L Inorganic Chemistry Lab
- CHM 4130C Modern Analytical Chemistry
- CHM 4260C Advanced Organic Chemistry
- CHM 4410C Physical Chemistry I
- CHM 4411C Physical Chemistry II
- CHM 4612 Advanced Inorganic Chemistry
- CHM 4627 Solid State Chemistry
- CHM 4910 Chemical Research
- CHM 4930 ST: Chemistry
- CHS 4445 Environmental Chemistry
- CHS 4445L Environmental Chemistry Lab





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### Minor: Chinese

#### Minor: Chinese (15 credits)

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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 on the department's computerized placement test 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 elective.

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### Minor: Political Science

#### Minor: Political Science (15 credits)

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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

## Table of Contents

### Minor: Classical Civilization

#### Minor: Classical Civilization (15 credits)

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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
- EUH 3411 Ancient Rome

SELECT 4 COURSES FROM THE FOLLOWING:

(3 must be taken with different prefixes)

- CLT 4110 Classical Background of Western Literature
  - EUH 3403 Ancient Greece
  - EUH 3411 Ancient Rome
  - LAT 1120 Beginning Latin I
  - LAT 1121 Beginning Latin II
  - PHH 3100 Ancient Philosophy
  - PHH 3120 Greek Experience
  - PHH 3104 Socrates & the Sophists
  - PHH 4121 Ancient Greek Ethics
  - ASH 3200 Ancient Near East
  - PHI 3935 Ancient Philosophy: Selected Topics
  - EUH 4103 From Homer to Herodotus
  - EUH 4408 Alexander the Great
  - ARH 3130 The Art and Architecture of Ancient Greece
  - ARH 3150 The Art and Architecture of Ancient Rome
- Students may also select special topics courses approved by the classical civilization faculty to meet the above requirement.

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### 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 Psychobiology
- 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

## Table of Contents

### Minor: Communication Studies

#### Minor: Communication Studies (15 credits)

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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 4301 Communication Theory & Research Methods (3 credits)

SELECT 2 FROM THE FOLLOWING:

- MMC 3620 International Study in Communications (1-6 credits)
- COM 4430 International Communication (3 credits)
- COM 3440 Small Group Communication (3 credits)
- MMC 3402 Political Advertising (3 credits)
- COM 3346 Interviewing: Theories & Methods (3 credits)
- COM 4411 Communication & Popular Culture (3 credits)
- MMC 4420 Mass Communication Research (3 credits)
- RTV 4403 Media Criticism (3 credits)
- COM 4022 Theory & Research Methods in Health Communication (3 credits)
- COM 4930 Special Topics in Communication Studies (3 credits)
- COM3XXX Listening (3 credits)
- COM 3XXX Lying and Deception (3 credits)

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### Minor: Public Administration

#### Minor: Public Administration (24 credits)

---

Minor: Fast Track

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

A grade of C or higher is required for all minor courses.

The Public Administration Fast Track undergraduate minor does not guarantee admission to the MPA program. For 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.

#### PREREQS 9 CREDITS

- POS 2041 American Government
- POS 3733 Research Design for Political Scientists
- POS 3734 Research Analysis for Political Scientists

For the five courses below (15 credits) select only courses that have not been used to fill Political Science requirements.

PAD4003 Public Administration (3 Credits)

POS3114 Issues State/Local Government (3 Credits)

PUP4003 The Policy-Making Process (3 Credits)

SELECT 1 URBAN POL. CLASS FROM BELOW:

- POS 4167 Urban Policy and Planning
- POS 3142 Politics and Policy in Urban Government
- PAD 4144 Nonprofit Management

SELECT\_ 1 LEGAL CLASS FROM BELOW

- POS 3691 The American Legal System
- POS 4608 Constitutional Law I: Powers and constraints
- POS 4626 Constitutional Law II: Civil rights, civil liberties

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### Minor: Creative Writing

#### Minor: Creative Writing (15 credits)

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In this program, students will develop their creative talents by analyzing the work of both canonical and non-canonical writers; understanding and imitating those writer's techniques and styles; developing and revising work for peer review; critiquing one another's work in workshop-style courses; and preparing work for submission to recognized journals and contests.

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 Non-Fiction (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 two 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 Non-Fiction Workshop (3 credits)
- CRW 3310 Poetry Workshop (3 credits)
- CRW 3424 Playwrights' Project (3 credits)
- CRW 3610 Screenwriting Workshop (3 credits)
- CRW 4924 Adv. Creative Writing Seminar (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.



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### 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
- ANT 4931 ST: Pilgrims/Sacred Ground
- ANT 4931 ST: Comparative Islamic Cultures
- LIT 3408 Approaches to Literature: Myth
- LIT 3930 ST: Problem of Evil
- AMH 3932 ST: Religion in Antebellum US
- PHI 3700 Philosophy of Religion
- PHH 3811 The Philosophy of Zen Buddhism
- REL 3012 Myths & Rituals
- REL 3120 Religion in America
- REL 3127 Religion & the Courts
- REL 3101 Religion & Popular Culture
- REL 4900 Directed Independent Study
- REL 3145 Women & Religion: The Western Experience
- REL 3148 Religion & Violence
- REL 3213 Hebrew Bible/Old Testament
- REL 3241 New Testament
- REL 3293 Selected Topics: Biblical/Scriptural Studies
- REL 3310 Asian Religions
- REL 3330 Religions of India
- REL 3420 20th Century Religious Thought
- REL 3421 Studies in Comtemp Religious Thought
- REL 3505 History of Christian Thought
- REL 3607 Selected Topics in Jewish Studies
- REL 3930 Selected Topics: History of Religion
- REL 3936 Selected Topics: Religious Thought

## Table of Contents

### 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

## Table of Contents

### Minor: Social Welfare

#### Minor: Social Welfare (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 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
- SYO 3110 Sexuality & Marriage
- SYO 4100 Sociology of Family
- SYO 4400 Health, Illness, & Society
- SYP 3570 Deviance & Social Control
- SYP 4730 Sociology of Aging
- CJC 3410 Offender Treatment
- CCJ 4681 Family Violence
- CJJ 3010 Juvenile Delinq & Juvenile Justice
- ANT 3443 The City & Health
- SYD 4601 Community Organization, Change, & Development
- SOW 4930 ST: Social Welfare
- SYA 4654 Evaluation Research/Program Analysis
- SOW 4905 Directed Independent Study â€™ Social Work
- SOW4122 Inside the Asylum

## Table of Contents

### 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

## Table of Contents

### 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

## Table of Contents

### Minor: Economics

#### Minor: Economics (21 credits)

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A grade of C or better is required in all courses for the minor in economics, including prerequisites.

At least 6 hours of upper level course work in economics must be completed at UNF.

No lower level coursework may be used for required courses in economics without written approval of the Department of Economics Chairperson.

May not use ECO 3632/ ECO 3701/ ECP 3703 in the economics minor.

ECO2013 Principles of Macroeconomics (3 Credits)

ECO2023 Principles of Microeconomics (3 Credits)

ECO3101 Intermediate Microeconomics (3 Credits)

ECO3203 Intermediate Macroeconomics (3 Credits)

ECO3411 Business/Economic Statistics (3 Credits)

SELECT 2 COURSES FROM (3000/4000)

- ECO ECP ECS GEO

## Table of Contents

### 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

## Table of Contents

### Minor: Environmental Studies

#### Minor: Environmental Studies (18 credits)

---

Students may not duplicate courses to use in both the major and the minor.

Only two transfer courses will apply towards minor requirements.

A grade of C or better is required in all minor courses.

Students will be required to complete all prerequisites needed for individual minor courses.

BSC3057 Intro to Environmental Studies (3 Credits)

PHI3640 Environmental Ethics (3 Credits)

SELECT 2 FROM THE FOLLOWING:

- PHM 2030 Ecological Philosophy
- GEO 3372 Conservation of Natural Resources
- GIS 3043 Intro to Geographical Information Systems
- HIS 3403 Urban Environmental History
- INR 3016 Global Issues in Contemporary Politics
- PUP 4506 Evolution, Society, & Politics (consent of instructor required)

SCIENCE MAJORS SELECT 2 FROM:

- BOT 2010C Botany
- BOT 3712C Plant Systematics
- BSC 1011C General Biology II
- BSC 3052 Conservation Biology
- BSC 3053 Health Effects of Environmental Pollutants
- BSC 3263 Marine Biology
- BSC 4054 Environmental Toxicology
- CHS 4610/4610L Environmental Chemistry
- PCB 3043C Ecology
- PCB 4301C Limnology
- ZOO 4823C General Entomology

NONSCIENCE MAJORS TAKE 2 FROM:

- BSC 1005C Principles of Biology
- BSC 1930 Current Applications in Biology



## Table of Contents

### Minor: Statistics

#### Minor: Statistics (16 credits)

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Minor: Statistics Minor for BA/BS Mathematics Majors  
A grade of C or better is required for all minor courses.  
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
- STA 4222 Design of Sample Surveys
- MAP 4231 Operations Research
- STA 4322 Statistical Theory
- STA 4445 Probability Models
- STA 4502 Nonparametric Methods in Statistics
- STA 4664 Statistical Quality Control
- STA 4853 Stat Techniques for Time Series & Forecasts

#### Minor: Statistics (19 credits)

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All courses in the statistics minor except for STA 4322 and STA 4445 may be taken with STA 2014, STA 2023 or STA 3163 as the only prerequisites.  
A grade of C or better is required for all minor courses.

PREREQ REQUIREMENT

Select 1 Course From:

- STA 2023 Elementary Statistics for Business
- STA 2014 Elementary Statistics for Health & Social Sciences

STA3163 (GM)Statistical Methods I (4 Credits)

STA3164 (GM)Statistical Methods II (3 Credits)

SELECT 3 COURSES FROM THE FOLLOWING:

- MAP 4231 Operations Research
- STA 4202 Design of Experiments
- STA 4222 Design of Sample Surveys
- STA 4321 Probability & Statistics
- STA 4322 Statistical Theory
- STA 4445 Probability Models
- STA 4502 Nonparametric Methods in Statistics
- STA 4664 Statistical Quality Control
- STA 4853 Stat Techniques for Time Series & Forecasts

## Table of Contents

### Minor: Film Studies

#### Minor: Film Studies (15 credits)

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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
- FIL 3006 Analyzing Films

SELECT 1 Survey Course From:

- FIL 3826 American Film Survey
- FIL 3828 International Film Survey

SELECT 3 COURSES FROM :

- FIL 3826 American Film Survey
- FIL 3930 Topics in Film
- FIL 4822 French Cinema
- FIL 3828 International Film Survey
- FIL 4848 Transnational Cinema
- FIL 3300 Documentary Studies
- FIL 4931 Advanced Topics in Film
- FIL3006 Analyzing Films
- FIL 4932 Advanced Documentary Studies
- FIL 4900 Independent Study in Film
- PHI 3880 Philosophy of Film
- FIL 4882 Cinema and Culture
- CRW 3930 Screenwriting Workshop
- ENG 4105 Film & Literature
- LIT 3213 The Art of Critical Reading
- CCJ 4990 Crime & Mass Media
- LAH 3735 Colonial Latin American History Through Film
- LAH 3736 Modern Latin American History Through Film
- FIL 3833 Film Genre
- FIL 4843 Asian Cinema
- FIL 4073 American Film in Context: 1970s
- FIL 4078 American Film in Context: 1980s
- FIL 4935 Advanced Topics in Film
- FIL 4363 Documentary Production
- FIL 4379 Advanced Documentary Production

## Table of Contents

### Minor: Studies in Applied Ethics

#### Minor: Studies in Applied Ethics (15 credits)

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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

## Table of Contents

### Minor: French

#### Minor: French (15 credits)

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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)

## Table of Contents

### Minor: Theater/Drama

#### Minor: Theater/Drama (15 credits)

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Students may take any 5 courses. No more than 6 semester hours, or 2 courses of transfer credit may be used in the minor. Only 6 semester hours of lower level credit may be used.

SELECT ANY 5 COURSES FROM BELOW LIST:

- THE 2000 Theater Appreciation
- TPP 2100 Acting I
- CRW 2930 Introduction to Playwriting
- THE 3170 Contemporary Drama and Theater
- THE 3110 History of Drama and Theater I
- THE 3111 History of Drama and Theater II
- TPP 3241 Performing Civil Rhetoric
- TPP 3100 Acting II Prereq: TPP 2100 or permission of instructor
- ENL 3333 Shakespeare
- CRW 3424 Playwright's Project CRW 3424 may be repeated for up to 12 hours of credit
- THE 4524 Studies in Drama and Theater
- THE 4904 Independent Study in Drama and Theater
- TPP 4155 Theater Production: Performance
- TPP 4923 Theater Production: Behind-the-scenes THE 4923 may be repeated for up to 12 hours of credit
- THE 4935 Special Topics in Drama and Theater

## Table of Contents

### 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 Japanese Women
- 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

## Table of Contents

### Minor: Urban & Metropolitan Studies

#### Minor: Urban & Metropolitan Studies (15 credits)

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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

## Table of Contents

### 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



## Table of Contents

### Minor: Writing Studies

#### Minor: Writing Studies (15 credits)

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The Department of English offers a Writing Studies minor that is a useful complement to any major. This minor will provide students with the opportunity to develop and practice advanced writing skills in a variety of contexts, over several semesters; the competencies needed to be effective, confident, and versatile when facing writing challenges in the workplace; an understanding of the theoretical and historical foundation of written and digital communication. The Writing Studies minor is designed to accommodate students with a wide variety of writing interests, disciplinary major, and professional goals.

- Prerequisites: Three general education writing courses, or equivalents.
- Requirements: Students taking a minor in Writing Studies will complete five upper-level courses for a total 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.

CHOOSE minor courses from below:

ENC3310 (GW) Writing Prose (3 Credits)

SELECT A: Writing in the Professions

- ENC 3250 Professional Communication
- CRW 3310 Poetry Workshop
- CRW3110 Fiction Workshop
- CRW3610 Screenwriting Workshop
- CRW 4924 Advanced Creative Writing Workshop
- HIS 3051 Craft of the Historian

SELECT\_ B: Theory,History,and Design

- ENC3930 Special Topics in Theory and Practice
- ENC4930 Special Topics in Theory and Practice
- LIN3010 Principles of Linguistics
- LIN3930 Special Topics in Linguistics
- LIN4930 Special Topics in Linguistics

Two additional courses from Group A and/or Group B are required. Students must take 5 different courses; i.e., courses may not count as a single course taken as both a required course and an elective.

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**Major: Certificate Music Program**

**Degree: Post-Baccalaureate Certificate**

### **Certificate Requirements (48 credits)**

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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.

## Table of Contents

### Major: Post-Bacc Pre-Med Certificate Degree: Post-Baccalaureate Certificate

#### Certificate Requirements

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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.

## Table of Contents

### Major: Medical Lab Sc. Certificate Degree: Post-Baccalaureate Certificate

#### Certificate Requirements (50 credits)

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Prerequisite Requirements Students admitted to the Medical Laboratory Sciences Certificate Program must possess a Bachelors of Science or related discipline that includes the following courses or equivalent substitutions.

- General Biology I (BSC1010C)
  - General Chemistry I & II with lab (CHM2045 & CHM2046 with labs)
  - Organic Chemistry I & II with lab (CHM2210 & CHM2211 with labs)
  - Microbiology (MCB2010C) or Microbial Biology (MCB3020C)
  - College Algebra (MAC1105)
  - Statistics (STA2014)
  - Human Structure and Function (ZOO3733C, 4 cr) or Human Anatomy and Physiology I & II (BSC2085C & BSC2086C, 8 cr)
- Combination of two of the following three course options:
- Genetics (PCB 3063C)
  - Molecular and Cell Biology (PCB2023C)
  - Molecular Techniques (MCB4021C)

Requires grades of C or above. 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.

MLS3038 Essentials of Med Lab Science (1 Credit)  
MLS3220 Biological Fluid Analysis (2 Credits)  
MLS4191 Molecular Diagnostics (2 Credits)  
MLS4550C Immunohematology and Transfus (4 Credits)  
MLS4308C Hematology and Hemostasis (4 Credits)  
IHS3203 Management and Leadership (2 Credits)  
MLS4505 Clinical Immunology (3 Credits)  
MLS4462 Diagnostic Virology, Mycology (3 Credits)  
MLS4460C Diagnostic Bacteriology (4 Credits)  
MLS4627 Clinical Biochemistry (3 Credits)  
IHS4938 Senior Seminar for Medical Lab (1 Credit)  
MLS4821C Microbiology Practicum  
MLS4826C Immunology Practicum  
MLS4823C Immunohematology Practicum  
MLS4822C Hematology Practicum  
MLS4820C Biochemistry Practicum

## Table of Contents

### Major: Building Construction

### Degree: Bachelor of Science

#### Informational Text

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Bachelor of Science in Building Construction: (120 credit hours, w/ a min 60 upper level hrs)

- All course work must be completed with a grade of 'C' or better, unless otherwise noted.
- Once enrolled at UNF, any remaining prerequisites for the major / minor must be completed at UNF.

#### Prerequisites

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Building Construction Prerequisites: (12 requirements - 38 credits)

MAC2233 (GM) Calculus for Business (3 Credits)

STA2023 (GM) Elem Statistics-Business (3 Credits)

BCN1251 Construction Drawing (3 Credits)

BCN1210C Construction Materials (3 Credits)

BCN2405 Introduction to Structures (3 Credits)

CGS1100 Computer Applications for Busi (3 Credits)

CGSx531 or 1570 are acceptable alternatives to CGS1100.

Any course covering the appropriate software may be approved for this requirement if approved by an advisor.

ECO2013 Principles of Macroeconomics (3 Credits)

ECO2023 Principles of Microeconomics (3 Credits)

ACG2021 Prin of Financial Accounting (3 Credits)

BUL3130 Legal Environment of Business (3 Credits)

PHYSICS I Physics I requirement:

- PHY2053+L Algebra Physics I and Lab  
\* PHY2004 + Lab may be substituted.

PHYSICS II Physics II requirement:

- PHY2054+L Algebra Physics II and Lab  
\* PHY2005 + Lab may be substituted.

#### Business Electives

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Building Construction - Business Electives: (1 course - 3 credits)

SELECT One business elective:

- REE 4043 Real Estate Analysis
- ACG2071 Princ of Managerial Accounting
- MAR3023 Principles of Marketing

#### Core Requirements

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Building Construction Core: (20 courses - 58 credits)

Note: BCN 4944 -- Internship students will work with internship faculty advisor to secure their internship placement. Students must have a signed internship agreement prior to the first day of class.

BCN2280 Surveying: Construction Layout (3 Credits)

BCN3223 Soils and Foundations (3 Credits)

BCN3224 Construction Techniques (3 Credits)

BCN3611C Construction Cost Estimating (3 Credits)

BCN3762 Building Const Design and Code (3 Credits)

BCN3782 Intro Construction Computing (3 Credits)  
BCN4431 Structural Systems (3 Credits)  
BCN4591C Mech and Elec Sys (3 Credits)  
BCN4612 Advanced Construction Estimat (3 Credits)  
BCN4708 Construction Documents/Contrac (3 Credits)  
BCN4709 Construction Proj Mgt Cap (3 Credits)  
BCN4720 Constr Project Plan/Scheduling (3 Credits)  
BCN4730 Construction Safety (3 Credits)  
BCN4753 Construction Admin/Economics (3 Credits)  
BCN4759 Const Fin and Cost Cont (3 Credits)  
BCN4931 Seminar:Construction Mgt (1-3 Credits)  
BCN4944 Construction Management Intern (3 Credits)

(Note: Internship can be taken for up to 6 credit hours -- 3 hrs for Internship credit and 3 hrs for elective credit.)

MAN3025 Administrative Management (3 Credits)

SELECT 6 hrs of electives:

- BCN 3012 History of Construction
- BCN 4240 Construction Equipment
- BCN 4587C Green Construction/Sustainability
- BCN 4751C Housing & Land Development
- BCN 4775 International Construction
- BCN 4870C Heavy/Civil Construction
- BCN 4871C Commercial Construction
- BCN 4801C Industrial Construction
- BCN 4944 Constr Mgmt Internship (3-5hr)
- BCN 4956 Study Abroad: Construction Management

(Note: Internship can be taken for up to 6 hrs -- 3 hrs for internship and 3 hrs for elective credit. An extra elective may be taken in the place of the internship requirement. Study Abroad may be taken for a maximum of 9 credit hours.)

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### Minor: Computer Science

#### Minor: Computer Science

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Minor: Computer Science (University-wide) (29.0 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 Computing 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 CIS prereq or core requirement on the first attempt, including W, WP, or WF, will have only one chance to repeat the course.

### CompSci Prerequisites

Computer Science Minor (University-wide) Prerequisites (7.0 credits)

MAC2311 (GM) Calculus I (4 Credits)

COP2220 Computer Science I (3 Credits)

### CompSci Minor Req'ments

Computer Science Minor (University-wide) Requirements -- (22.0 credits)

COT3100 Computational Structures (3 Credits)

COP3503 Computer Science II (3 Credits)

COP3530 Data Structures (4 Credits)

SELECT 4 courses (min of 12 hrs):

- CAP 4630 Intro to Artificial Intelligence
- CAP 4660C AI Robotics
- CAP 4710 Computer Graphics
- CAP 4770 Data Mining
- CDA 3101 Intro to Computer Hardware
- CDA 4102/4102L Intro to Computer Architecture & Lab
- CDA 4312/4312L Microprocessor Interfacing & Lab
- CNT 4504 (CEN4516) Networks & Distributed Processing
- CEN 4610 Knowledge Engineering
- CIS 4251 Software Development
- COP 3601 Intro to System Software
- COP 4300 Discrete Systems Modeling/Simulation
- COP 4610 Operating Systems
- COP 4620 Construction of Language Translators
- COP 4710 Data Modeling
- COP 4813 Internet Programming
- COT 3210 Computability/Automata
- COT 4400 Analysis of Algorithms
- COT 4560 Applied Graph Theory
- - CDA4102 and CDA4312 must be taken with the corresponding lab.
- - Other qualifying elective courses may be offered as
- Special Topics. See Computing for approved list.

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### Minor: Electrical Engineering

#### Minor: Electrical Engineering

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Minor: Electrical Engineering (49.0 hours)

All coursework in the minor must be completed with a grade of 'C' or better.

Students are responsible for any prerequisites for listed courses.

A minimum of 17.0 hours of upper level coursework must be taken at UNF.

#### Electrical Engineering Prereqs

Electrical Engineering Prerequisites: (10 courses - 32.0 hrs)

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)

PHYSICS.I PHY2048 & PHY2048L

PHYSICS.II PHY2049 & PHY2049L

SELECT 1 of the following:

- COP2220 Computer Science I
- COP2200 Intro to FORTRAN Programming

SELECT 1 of the following:

- CDA3101 Intro to Computer Hardware
- EEL3701C Intro to Digital Systems

#### EE Minor Requirements

Electrical Engineering Minor Requirements: (6 courses - 17.0 hours)

EEL3111 Circuit Analysis I (3 Credits)

EEL3112 Circuit Analysis II (3 Credits)

EEL3303L Electrical Circuits Laboratory (1 Credit)

EEL3304 Electronic Circuits I (3 Credits)

EEL4744C Microcontroller Applications (4 Credits)

SELECT 1 of the following:

- EEL3135 Signals and Systems
- EEE4309C Electronic Circuits II



## Table of Contents

### Minor: Construction Management

#### Minor: Construction Management

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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.\*

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### Minor: Information Science

#### Minor: Information Science (26 credits)

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Minor: Information Science

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 Computing 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 CIS prereq or core requirement on the first attempt, including W, WP, or WF, will have only one chance to repeat the course.

#### InfoSci Prerequisites

InfoSci Minor Prerequisites: (9.0 hours)

CGS1570 Microcomputer Applica Software (3 Credits)

COP2551 Introduction to OO Programming (3 Credits)

COP2010 Intro to Visual Proc Prog (3 Credits)

#### InfoSci Minor Requirements

InfoSci Minor Requirements: (17.0 hours)

(Note: COT3100 has a pre-req of MAC2311 or MAC2233.)

COT3100 Computational Structures (3 Credits)

COP3538 Data Structures Using OOP (4 Credits)  
(COP3540 was renumbered Fall 2011)

COP3855 Web Access and System Design (4 Credits)

COP4720 Database Systems (3 Credits)

SELECT one of the following:

- CNT 4504 Comp Networks & Distributed Processing
- COP 4813 Internet Programming

## Table of Contents

### Major: Coastal Port Eng. Certificate

### Degree: Undergraduate Certificate

#### Certificate Requirements (19 credits)

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(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)

- CWR4006 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:

- CWR4XXX Engineering Hydrology (3)
- STA3032 Engineering Statistics (3)
- CWR4006 Coastal Processes (3)
- CGN2XXX Design of Coastal and Port Structures (3)

#### SELECT-TWO courses from the following:

Select an additional 2 courses (6 credits) from:

- TTE4004 Transportation Engineering (3)
- TRA4202 Logistics Systems Management (3)
- CGN1XXX Intro to Coastal and Estuarine Modeling (3)
- CWR4550 Water Wave Mechanics (3)
- CWR4600 Major River Systems of Florida (3)
- CWR4006 Coastal Processes (3)
- CWR4XXX Engineering Hydrology (3)
- STA3032 Engineering Statistics (3)
- CGN2XXX Design of Coastal and Port Structures (3)
- CGN4430 Risk Assessment (3)
- Internship in Coastal or Port Engineering
- Other electives may be taken if approved by Program Director

## Table of Contents

### Major: ASL/English Interpreting Concentration: Community Interpreting Degree: Bachelor of Science

#### Prerequisites (11 credits)

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(11 credits plus 3 credits of General Education ENC 1101).

- Grade of B or higher required in all courses.

ASL2140 American Sign Language I (4 Credits)

ASL2150 American Sign Language II (4 Credits)

INT1000 Intro to Interpreting

#### Foundation (13 credits)

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INT2XX1 Eng. to ASL Sight Translation

INT2XX2 Interpreting Field Experience

INT2XX3 Int. in Community Settings

INT2XX4 Discourse Analysis

#### Core Requirements (12 credits)

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ASL3301 ASL Structure (3 Credits)

ASL3514 Deaf Culture (3 Credits)

ASL4131 American Sign Language III (3 Credits)

ASL4211 American Sign Language IV (3 Credits)

#### Major Requirements (48 credits)

---

INT3134 Applied Ethics in Interpreting (3 Credits)

INT3205 Cognitive Processing (3 Credits)

INT3226 Advanced ASL Proficiency

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 Deaf-Blind (3 Credits)

INT4455 Interpreting Diverse Pop (3 Credits)

INT4910 Research in Interpreting (3 Credits)

INT4947 Interp Pract Portfolio Pres (6 Credits)

## Table of Contents

### Minor: Professional Education

#### Minor: Professional Education (20 credits)

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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 3333 Secondary Reading Methods (For Business and Communication majors only)
- RED 3310 Elementary Reading Methods (For Business and Communication majors only)

## Table of Contents

### Minor: Community Leadership

#### Minor: Community Leadership (12 credits)

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3 CREDIT HOURS CAN BE TRANSFERRED INTO ELECTIVE AREA ONLY. ALL OTHER COURSES MUST BE TAKEN AT UNF. A GPA OF 2.5 IS REQUIRED FOR THE MINOR. For additional information on the Community Leadership minor, please contact the Institute for Values, Community, and Leadership (IVCL). The IVCL is located in the College of Education and Human Service's Petway Hall (Building 57), room 2750.

LDR3003 Introduction to Leadership (3 Credits)

LDR3320 Collaborative Leadership (3 Credits)

- OR LDR 3240 Inter-Group Dialogue
- OR SOP 3515 Foundations of Conflict Transformation

LDR4263 Community Leadership Practicum (3 Credits)

ELECTIVE Select 1 course from:

WE STRONGLY SUGGEST AN ELECTIVE CHOICE THAT ALIGNS WITH MAJOR TO ENHANCE YOUR CHOSEN AREA OF STUDY.

- EDUCATION MAJORS:
  - LDR 4340 Resource Development for Community Organiz.
- COMPUTING/ENGINEERING/CONSTRUCTION MAJORS:
  - BCN 4956 Abroad in Construction Management
  - BCN 4709 Construction Management Project Captstone
  - BCN 4944 Construction Management Internship
  - CIS 4253 Legal and Ethical Issues in Computing
  - EGN 3038 Leadership for Engineers
  - EGN 4032 Engineering and Professional Issues
- HONORS:
  - H3920 Honors Colloquium
- ARTS AND SCIENCES MAJORS:
  - SPC 4064 Public Speaking for Professionals
  - COM 4430 International Communication
  - MMC 4975 Internship Senior Project
  - COM 3440 Small Group Communication
  - PUR 4800 Public Relations Campaigns
  - PAD 4027 Issues in Public Management
  - SOP 3004 Social Psychology
  - SYD 4601 Community Organization, Change & Development
  - SOW 4511 Community Agency Practicum
  - ANT 4272 Political Anthropology
  - SYO 4300 Political Sociology
  - SYP 4351 Social Movements and Social Change
  - SYP 4411 Sociology of War & Peace
  - PHI 3601 Ethics
  - PHI 3640 Environmental Ethics
  - PHI 3641 Business Ethics
  - MSL 4301 Adaptive Leadership
  - MSL 3201 Adaptive Team Leadership
  - BSC 3057 Intro to Environmental Studies
  - BSC 4940 Internship in Applied Biology
  - CCJ 4940 Internship in Criminal Justice
  - CRW 3424 Playwright's Project
  - ENC 3250 Professional Communications
  - ENC 3310 Writing Prose

- ENG 4013 Approaches to Literary Interpretation
- FIL 4932 Advanced Documentary Studies
- LIT 4041 Studies in Drama
- TPP 3101 Acting II
- LAH 3955 Latin America Abroad
  
- BUSINESS MAJORS:
- ACG 4956 Study Abroad in Accounting
- ECO 4956 Study Abroad in Economics
- FIN 4941 Finance Internship
- FIN 4956 Study Abroad in Finance
- GEB 3214 Students in Free Enterprise/Prof Devel Prgm
- GEB 3361 International Business Internship
- GEB 4113 Entrepreneurship
- GEB 4942 Entrepreneurial Internship
- GEB 4956 Study Abroad in Business
- GEO 4956 Study Abroad in Geography
- MAN 4064 Organizational Ethics: A Global Perspective
- MAN 4143 Effective Business Leadership
- MAN 4201 Organizational Theory
- MAN 4240 Organizational Behavior
- MAN 4441 Negotiations
- MAN 4600 International Management
- MAN 4942 Management Internship
- MAR 4400 Professional Selling
- MAR 4941 Internship in Marketing & Supply Chain Manag
- MAR 4943 International Marketing Internship
- MAR 4956 Study Abroad in Marketing
- TRA 4945 Logistics Internship
- TRA 4956 Study Abroad in Transportation in Logistics
  
- HEALTH MAJORS:
- PET 3660 Athletic Training Admin
- PET 4676C Athletic Training Clinical Experience
- PET 4942 Internship in Exercise Science
- NUR 3816 Professional Nursing Concepts
- NUR 4636C Community Partnership and Nursing Pract.
- NUR 4826 Applied Nursing Ethics
- NUR 4827 Leadership and Management in Nursing
- NUR 4945 Professional Nursing Integration
- HSA 4553 Health Law and Ethics
- HSA 4850 Health Adm. Internship
- HSA 4922 Capstone: Health Administration
- HSA 4941 Long-Term Care Administration Internship
- HSA 4955 Study Abroad Health
- HSA 4970 Senior Capstone Project
- HSC 3032 Foundations of Community Health
- HSC 3661 Health, Human Relations, and Interp Skills Bldg
- HSC 3949 Experiential Studies in Health Science
- HSC 4652 Health Care Ethics & Cultural Diversity
- HSC 4814 Community Health Internship
- DIE 4515 Nutrition & Dietetics Professional Capstone
- DIE 3310 Community Nutrition

## Table of Contents

### Major: Nursing

### Concentration: CNS Women's & Children's Hlth

### Degree: Master of Science in Nursing

#### Informational Text

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- 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.
- 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](http://www.unf.edu) for specific deadlines).

#### 1st Semester (10 credits)

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##### 1st semester (fall)

NGR5141 Advanced Pathophysiology (3 Credits)  
NGR5172 Pharmacotherapeutics (3 Credits)  
NGR5003C Health Assessment/Diagnostics (4 Credits)  
NGR5750 CNS Role Development (1 Credit)

#### 2nd Semester (9 credits)

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##### 2nd semester (spring)

NGR5110 Theory Framework for Practice (3 Credits)  
NGR7871 Health Informatics for AP (3 Credits)  
NGR5385C Manage Acute Cond Women Child (3 Credits)

#### 3rd Semester (6 credits)

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##### 3rd semester (summer)

NGR5810 Research Methods for EBP (3 Credits)  
NGR6386C Hlth Prom for Women Child Hlth (3 Credits)

#### 4th Semester (9 credits)

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##### 4th semester (fall)

NGR6710 Teaching Nursing (3 Credits)  
HSA6114 Health Organization/Delivery (3 Credits)  
NGR6387C Mngmt Chronic Con Women/Child

#### 5th Semester (9 credits)

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##### 5th semester (spring)

NGR6784 CNS Role Transition  
NGR6892 Pub Pol Impl Adv Prac (3 Credits)  
NGR6389C Women/Child Hlth CNS Practicum





## Table of Contents

### Major: Nursing

### Concentration: Nurse Anesthetist

### Degree: Doctor of Nursing Practice

#### Informational Text

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- 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.
- 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](http://www.unf.edu) for specific deadlines).

#### 1st Semester (12 credits)

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##### Spring semester

NGR6740 Role Dev in Adv Practice Nsg (3 Credits)

NGR7871 Health Informatics for AP (3 Credits)

NGR6673 Prin Epidem for Adv Prac (3 Credits)

NGR6892 Pub Pol Impl Adv Prac (3 Credits)

#### 2nd Semester (10 credits)

---

##### Summer semester

NGR7843 Stat Interp for Adv Prac (3 Credits)

NGR5110 Theory Framework for Practice (3 Credits)

NGR5003C Health Assessment/Diagnostics (1-4 Credits)

#### 3rd Semester (16 credits)

---

##### Fall semester

NGR5172 Pharmacotherapeutics (3 Credits)

NGR5141 Advanced Pathophysiology (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)

NGR5810 Research Methods for EBP (3 Credits)

NGR6431L Anesth Nursing Practicum I (1 Credit)

NGR6493 Technology in Anesth Nursing (1 Credit)

#### 4th Semester (15 credits)

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##### Spring semester

NGR6404 Adv Biosc Anes Nsg I (3 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 Role Devel in ANP (3 Credits)

Course title will change to Advanced Practice Nursing Role Transition effective for

spring 2016 semester.

NGR6432L Anesth Nursing Practicum II (3 Credits)

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### 5th Semester (11 credits)

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Summer semester

NGR6490 Regional Anesthesia (2 Credits)

NGR6423 Prin of Anesth Nursing III (2 Credits)

NGR7850 Evidence Based Practice I (3 Credits)

NGR6433L Anesth Nursing Practicum III (6 Credits)

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### 6th Semester (12 credits)

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Fall semester

NGR7851 Evidence Based Practice II (3 Credits)

NGR6405 Adv Biosc Anesth Nursing II (3 Credits)

NGR6434L Anesth Nursing Practicum IV (8 Credits)

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### 7th Semester (13 credits)

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Spring semester

NGR6424 Prin of Anesth Nursing IV (2 Credits)

NGR6494 Adv Mod Pain Mgt (3 Credits)

NGR6435L Anesth Nursing Practicum V (8 Credits)

NGR7974 Doctoral Project (1-6 Credits)

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### 8th Semester (11 credits)

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Summer semester

NGR6894 Global Health Care and Culture (3 Credits)

NGR7974 Doctoral Project (1-6 Credits)

NGR7946 Residency in ANP (3-9 Credits)

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### 9th Semester (11 credits)

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Fall semester

NGR6491 Adv Anes Nsg Sem (3 Credits)

NGR7974 Doctoral Project (1-6 Credits)

NGR7946 Residency in ANP (3-9 Credits)

## Table of Contents

### Major: Nursing Concentration: Nurse Practitioner (Family) Degree: Doctor of Nursing Practice

#### Informational Text

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- 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.
- 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](http://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)  
NGR6673 Prin Epidem 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 Advanced Nursing Practice III (6 Credits)  
NGR6894 Global Health Care and Culture (3 Credits)  
NGR7179 Adv Pharm Mgt (3 Credits)

#### 5th Semester (11 credits)

---

##### Spring semester

NGR7768 Role Devel in ANP (3 Credits)  
NGR7843 Stat Interp for Adv Prac (3 Credits)  
NGR7946 Residency in ANP (3-9 Credits)  
NGR7850 Evidence Based Practice I (3 Credits)

## **6th Semester (11 credits)**

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### Summer semester

- NGR7871 Health Informatics for AP (3 Credits)
- NGR6892 Pub Pol Impl Adv Prac (3 Credits)
- NGR7946 Residency in ANP (3-9 Credits)
- NGR7851 Evidence Based Practice II (3 Credits)

## **7th Semester (8 credits)**

---

### Fall semester

- NGR7796 Practice Management (3 Credits)
- NGR7946 Residency in ANP (3-9 Credits)
- NGR7974 Doctoral Project (1-6 Credits)

## **8th Semester (4 credits)**

---

### Spring semester

- NGR7974 Doctoral Project (1-6 Credits)
- NGR7946 Residency in ANP (3-9 Credits)

## Table of Contents

### 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.
- 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](http://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 (3-9 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 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)

## Table of Contents

**Major: Health Science**  
**Concentration: Orthopaedic Physical Therapy**  
**Degree: Master of Science in Health**

### Informational Text

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Please note the following:

- Physical Therapist License is required prior to admission.
- Refer to the UNF graduate catalog for prerequisites to individual courses.
- Unless a course is identified as a repeatable for credit, you may receive credit for a course only once. However, your GPA will reflect all repeated courses.
- A minimum GPA of 3.0 is required to progress in the program.
- Faculty Advisor approval is required prior to registering for course work at another institution.
- Apply for graduation on-line through myWings or in the One Stop Student Services Office by the fourth week of the semester you are graduating. See university catalog for specific deadlines.

### 1st Semester (9 credits)

---

PHT6553C PT Resid: Appl Prin Clin Pra I (3 Credits)  
PHT6554C PT Resid: Adv Prin Clin Pra II (3 Credits)  
PHT7775C Ortho PT Res: Adv Mngmt Up Ext (3 Credits)

### 2nd Semester (3 credits)

---

PHT7773C Ortho PT Res: Adv Mngmnt Spine (3 Credits)

### 3rd Semester (9 credits)

---

PHT6940C Advanced Clinical Residency (3 Credits)  
PHT7774C Ortho PT Res: Adv Mgmt Low Ext (3 Credits)  
PHT7880C Advanced Clinical Integration (3 Credits)

### Required Courses (12 credits)

---

HSC6512 Biostats I Public Health (3 Credits)  
HSC6735 Health Science Research (3 Credits)  
PHT6971 Masters Thesis (1-3 Credits)



## Table of Contents

### Major: Nutrition & Dietetics

### Degree: Master of Science

#### Core Requirements (6 credits)

---

HSC6509 Nutritional Epidemiology (3 Credits)

HUN6910 Nut/Diet Res (3 Credits)

#### Major Requirements (25 credits)

---

HUN6612 Nutrition Education/Counseling (3 Credits)

HUN6123 Socio Infl on Nutrition (3 Credits)

HUN5265 Methods of Nutrition Assess (1 Credit)

HUN6285 Nutrition and Metabolism I (3 Credits)

HUN6331 Nutr and Metabolism II (3 Credits)

DIE6248 Clinical Nutrition (3 Credits)

HUN6916 Adv Conc Nutr (3 Credits)

PHC6050 Public Health Biostats I (3 Credits)

HUN6911 Nutrition / Dietetics Seminar (1-3 Credits)

#### Major Electives (12 credits)

---

Select one option below: Clinical Practicum option, Thesis option, or Non-Thesis option. To pursue the Clinical Practicum option (Internship) you must be admitted through D & D Matching.

##### PRACTICUM OPTION (Internship)

Students will complete DIE6940 Clinical Practice Nutr/Diet four times for a total of 12 semester hours.

##### THESIS OPTION (online MS)

9 semester hours of DIE6970 - Thesis and 3 semester hours of Elective (selected with Program director)

##### NON-THESIS OPTION (online MS)

12 semester hours of projects, independent study, or field research.

- DIE6906 - Dietetics Independent Study and Research
- DIE6945 -Dietetics Field Experience
- DIE6912 - Projects in Nutrition & Dietetics
- DIE6931 - Special Topics in Dietetics
- DIE6900 - Dietetics Readings & Conference

## Table of Contents

### Major: Nursing

### Concentration: Adult Gerontology CNS

### 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.
- 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](http://www.unf.edu) for specific deadlines).

#### 1st Semester (10 credits)

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##### Fall semester

- NGR5141 Advanced Pathophysiology (3 Credits)
- NGR5172 Pharmacotherapeutics (3 Credits)
- NGR5003C Health Assessment/Diagnostics (4 Credits)
- NGR5750 CNS Role Development (1 Credit)

#### 2nd Semester (9 credits)

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##### Spring semester

- NGR5110 Theory Framework for Practice (3 Credits)
- NGR5780C Adult Geron CNS Hlth Promo (3 Credits)
- NGR7871 Health Informatics for AP (3 Credits)

#### 3rd Semester (6 credits)

---

##### Summer semester

- NGR6637C Adult Geron CNS Acute (3 Credits)
- NGR5810 Research Methods for EBP (3 Credits)

#### 4th Semester (9 credits)

---

##### Fall semester

- NGR6711C Clinical Nurse Specialist III (3 Credits)
- NGR6710 Teaching Nursing (3 Credits)
- HSA6114 Health Organization/Delivery (3 Credits)

#### 5th Semester (9 credits)

---

##### Spring semester

- NGR6940C Clinical Nurse Spec Practicum (4 Credits)
- NGR6784 CNS Role Transition
- NGR6892 Pub Pol Impl Adv Prac (3 Credits)



## Table of Contents

**Major: Post-Masters FNP Certificate**

**Degree: Post-Masters Certificate**

### Certificate Requirements (28 credits)

---

NGR5003C Health Assessment/Diagnostics (4 Credits)

NGR5192 Pharmacotherapeutics (3 Credits)

NGR5141 Advanced Pathophysiology (3 Credits)

NGR5601C Advanced Nursing Practice I (3 Credits)

NGR6602C Advanced Nursing Practice II (3 Credits)

NGR6603C Advanced Nursing Practice III (6 Credits)

NGR6941C Primary Care Practicum (4 Credits)

NGR6740 Role Dev in Adv Practice Nsg (3 Credits)

## Table of Contents

### Major: Accounting Concentration: Taxation Concentration Degree: Master of Accountancy

#### Prerequisites (27 credits)

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(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 Administrative Management (3 Credits)  
MAN4720 Strategic Mgmt Business Policy (3 Credits)  
You must apply on-line at [unf.edu/coggin](http://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)

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(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)

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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)

## Table of Contents

**Major: General Business**  
**Concentration: Global Entrepreneurship**  
**Degree: Master of Business Admin.**

### Informational Text

---

- All students must be fully admitted into the Global EntrepreneurshipMBA.
- Students must earn a "C" or higher in all courses.
- Student must have 3.0 GPA or higher to graduate
- Student earn a UNF MBA & an MBA in Entrepreneurship.

### Semester in London (12 credits)

---

European Business School London - London, UK

ACG6305X Financial Managerial Acctg

GEB6001X Entrepr. Theory & Practice

SELECT one course from list

GEB6002X Emerging Economy Enterprise GEB6409X Green non-for-profit  
Enterprise

### Spring Semester at UNF (12 credits)

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University of North Florida - Jacksonville, Florida

ECO6415 Making Decisions with Data (3 Credits)

ECP6705 Economics of Business Decision (3 Credits)

MAN6204 Organizational Theory (3 Credits)

MAR6805 Marketing Strategy (3 Credits)

### Summer Semester at UNF (12 credits)

---

University of North Florida - Jacksonville, Florida

FIN6406 Advanced Financial Management (3 Credits)

ISM6021 Mgmt Information Technology (3 Credits)

MAN6501 Modeling/Management Operations (3 Credits)

MAN6726 Advanced Strategic Management (3 Credits)

### Semester in Paris (12 credits)

---

European Business School - Paris, France

GEB6404X Intl Marketing Strategy

GEB6405X Intl Bus Entrepreneurship Proj

GEB6406X Geopolitical Strategy

GEB6407X Intl Bus & Entrep Strategy

## Table of Contents

### 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 Administrative Management (3 Credits)  
MAN4720 Strategic Mgmt Business Policy (3 Credits)  
You must apply on-line at [unf.edu/coggin](http://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

## **Business elective-MACC**

SELECT One course

(3 credit hours) 6000 LEVEL non-Accounting

BUL/ECO/ECP/FIN/GEB/ISM/MAN/MAR/QMB/REE/TRA

## Table of Contents

**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 "C" or higher in all courses
- Students must meet the thesis requirement in order to complete this program
- Students earn a M.B.A. & a M.A. in International Management and Intercultural Communication

### Semester in Germany (21 credits)

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Cologne University of Applied Sciences - Cologne, Germany

ACG6305X International Mgmt Accounting  
ECO6101X Business Strategy/Game Theory  
ECO6415X Decisions with Data  
ECP6705X Global Economic/Thesis Seminar  
MAN6101X Intercultural Communication  
MAN6102X Applied Intercultural Communic  
MAN6111X Business Environment

### Semester in Poland (18 credits)

---

Warsaw University - Warsaw, Poland

FIN6406X Advanced Financial Management  
ISM6021X Mgmt Information Systems  
MAN6202X Applied Intercultural Communic  
MAN6204X Organizational Theory  
MAN6211X Business Environment  
MAN6601X International Management

### Semester in China (9 credits)

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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)

## Table of Contents

**Major: General Business**  
**Concentration: Accounting**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

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Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### 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 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.

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**Major: General Business**  
**Concentration: International Business**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### 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 Buisness 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

## Table of Contents

**Major: General Business**  
**Concentration: Construction Management**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### Concentration Requirements (9 credits)

---

Students must make a "B" or better in all concentration classes. Each course is only offered once a year.

BCN6595 Environmental Issue Land/Const (3 Credits)  
BCN6728 Constr Planning/Scheduling (3 Credits)  
BCN6748 Construction Law (3 Credits)

## Table of Contents

### Major: General Business

### Concentration: Logistics

### Degree: Master of Business Admin.

#### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

- BUL3130 Legal Environment of Business (3 Credits)
- ECO5115 Introduction Economic Analysis (3 Credits)
- FIN5405 Essentials of Managerial Finan (3 Credits)
- MAN5036 Fundamental Mgmt/Marketing (3 Credits)

#### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

- ACG6305 Management Accounting (3 Credits)
- ECO6415 Making Decisions with Data (3 Credits)
- ECP6705 Economics of Business Decision (3 Credits)
- MAN6204 Organizational Theory (3 Credits)

#### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

- FIN6406 Advanced Financial Management (3 Credits)
- ISM6021 Mgmt Information Technology (3 Credits)
- MAR6805 Marketing Strategy (3 Credits)

#### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

- MAN6501 Modeling/Management Operations (3 Credits)
- MAN6726 Advanced Strategic Management (3 Credits)

#### 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



## Table of Contents

### Major: General Business

### Concentration: e-Business

### Degree: Master of Business Admin.

#### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

- BUL3130 Legal Environment of Business (3 Credits)
- ECO5115 Introduction Economic Analysis (3 Credits)
- FIN5405 Essentials of Managerial Finan (3 Credits)
- MAN5036 Fundamental Mgmt/Marketing (3 Credits)

#### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

- ACG6305 Management Accounting (3 Credits)
- ECO6415 Making Decisions with Data (3 Credits)
- ECP6705 Economics of Business Decision (3 Credits)
- MAN6204 Organizational Theory (3 Credits)

#### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

- FIN6406 Advanced Financial Management (3 Credits)
- ISM6021 Mgmt Information Technology (3 Credits)
- MAR6805 Marketing Strategy (3 Credits)

#### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

- MAN6501 Modeling/Management Operations (3 Credits)
- MAN6726 Advanced Strategic Management (3 Credits)

#### 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).



## Table of Contents

**Major: General Business**  
**Concentration: Management Applications**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### 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 (that is not part of the core)

SELECT Option2 - three courses

TRA6157 E-Supply chaing Mgmt (normally offered Spring only) or TRA6216 Strategic Logistics (normally offered Fall only) And any MAN at the 6000 level (that is not part of the core)

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**Major: General Business**  
**Concentration: Economics and Geography**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### 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

## Table of Contents

**Major: General Business**  
**Concentration: Sports Management**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### (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

## Table of Contents

**Major: General Business**  
**Concentration: Finance Concentration**  
**Degree: Master of Business Admin.**

### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

### Group 3 (6 credits)

---

Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

### 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, 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

## Table of Contents

### Major: General Business

### Degree: Master of Business Admin.

#### Prerequisites (12 credits)

---

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 Legal Environment of Business (3 Credits)  
ECO5115 Introduction Economic Analysis (3 Credits)  
FIN5405 Essentials of Managerial Finan (3 Credits)  
MAN5036 Fundamental Mgmt/Marketing (3 Credits)

#### Group 1 (12 credits)

---

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6309 for ACG6305\*\*

ACG6305 Management Accounting (3 Credits)  
ECO6415 Making Decisions with Data (3 Credits)  
ECP6705 Economics of Business Decision (3 Credits)  
MAN6204 Organizational Theory (3 Credits)

#### Group 2 (9 credits)

---

All three courses in group 2 are required. \*\*Accounting Majors should substitute ACG6405 for ISM6021 (if CPA credit is desired).

FIN6406 Advanced Financial Management (3 Credits)  
ISM6021 Mgmt Information Technology (3 Credits)  
MAR6805 Marketing Strategy (3 Credits)

#### Group 3 (6 credits)

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Both Courses in group 3 are required. 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 MAN6726. Student must apply a minimum of one month before registering for MAN6726 for the final semester. Apply at [www.unf.edu/coggin](http://www.unf.edu/coggin)

MAN6501 Modeling/Management Operations (3 Credits)  
MAN6726 Advanced Strategic Management (3 Credits)

#### 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

## Table of Contents

### 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 Marketing on Internet: Strateg (3 Credits)  
(normally offered in spring)

TRA6157 Supply Chain Management (3 Credits)

## Table of Contents

**Major: Biology**

**Degree: Master of Arts**

### 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 5487C Advanced Biology of Marine Mammals
- 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 5418C Advanced Molecular Biology and Biochemistry

## Table of Contents

### 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 MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (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)

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 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)

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

## Table of Contents

### Major: Biology

### Degree: Master of Science

#### Prerequisites

---

Grades of 'B' or above required in all courses.

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)  
MAC2241 (GM)Calculus for Biology (4 Credits)  
PCB3043C Principles of Ecology (4 Credits)  
PCB3063C Genetics (4 Credits)  
STA2014 (GM)Elem Statistics-Health/SS (3 Credits)  
SELECT 10 HRS OF BIOLOGY ELECTIVES

#### Core Requirements (30 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 30 HRS FROM THE LIST BELOW:

- BOT 5186C Advanced Marine Botany
- BCH 6876C Membrane Biology
- BSC 5099C Advanced Physiology
- BSC 5487C Advanced Biology of Marine Mammals
- 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 6098C Environmental Physiology
- 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 6236 Advanced Cancer Biology
- PCB 6335C Estuarine Ecology
- PCB 6446 Ecology of Wetlands
- PCB 6447 Community Ecology
- PCB 6685 Population Genetics
- PCB 6480 Quantitative Ecology
- 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 Biology

FAS 6355L Advanced Coastal Fisheries Biology Lab

- BSC 5028 Advanced Biology of Aging
- MCB 5505 Advanced Virology
- BCH 5418C Advanced Molecular Biology and Biochemistry

## Table of Contents

### Major: Music Performance Concentration: Piano Degree: Master of Music

#### Term One (9 credits)

---

MUS5711 Bibliography (3 Credits)  
MVK6607 Pedagogy of Group Piano (3 Credits)  
MUN6465 Graduate Chamber Music (1 Credit)  
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 (1 Credit)  
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)

---

SELECT\_ ONE MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

MUL6416 Special Topics in Piano Lit (3 Credits)  
MUN6465 Graduate Chamber Music (1 Credit)  
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 Four (9 credits)

---

MVK6650 Seminar in Piano Pedagogy (3 Credits)  
MVO6451 Graduate Recital (2 Credits)  
MUN6465 Graduate Chamber Music (1 Credit)  
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)



## Table of Contents

### 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)

SELECT 1 FROM THE FOLLOWING\*:

- SYA 3300 Logic of Inquiry
- STA 2014 Elementary Statistics for Health and Social Sciences
- CCJ 3700 Research Methods in Criminal Justice

#### Major Requirements (21 credits)

---

CCJ6059 Advanced Criminological Theory (3 Credits)

CCJ6705 Adv Methds Criminological Rsch (3 Credits)

CCJ6706 Quantitative Research Methods (3 Credits)

CJC5020 History And Phil Corrections (3 Credits)

CJE6329 Police Effectiveness (3 Credits)

CJL6026 Iss in Law and Justice Process (3 Credits)

CCJ6639 Issues in Soc Criminal Justice (3 Credits)

#### Major Electives (12 credits)

---

SELECT 4 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
- CJC 5020 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

## Table of Contents

### Major: Music Performance Concentration: Strings Degree: Master of Music

#### Term One (9 credits)

---

MUH5711 Bibliography

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)

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)

MUN6215 Orchestra (2 Credits)

MUN6465 Graduate Chamber Music (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\_ 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)

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)

MUN6215 Orchestra (2 Credits)

MUN6465 Graduate Chamber Music (1 Credit)

MVS6977 Grad String Chamber Recital (1 Credit)

#### Term Three (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)

MUN6215 Orchestra (2 Credits)

MUN6465 Graduate Chamber Music (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

#### Term Four (9 credits)

---

SELECT 1 ADVANCED PEDAGOGY COURSE

- MVS 6653 Advanced Violin and Viola Pedagogy (3 credit)
- MVS 6654 Advanced Cello and Bass Pedagogy (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)

MUN6215 Orchestra (2 Credits)

MUN6465 Graduate Chamber Music (1 Credit)

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)

## Table of Contents

### 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
- A verbal score on the GRE of 153 or better

#### Major Requirements (6 credits)

---

A minimum of 33 semester hours are required for the degree.

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 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)

SELECT 2 FROM THE FOLLOWING:

- CRW 6331 Poetry Workshop (3 credit hours)
- ENG 6138 Studies in Film (3 credit hours)
- LIT 5934 Topics in Literature (3 credit hours)
- LIT 6017 Studies in Fiction (3 credit hours)
- LIT 6037 Studies in Poetry (3 credit hours)
- LIT 6047 Studies in Drama (3 credit hours)
- LIT 6654 Comparative & World Literature (3 credit hours)
- LIT 6905 Directed Independent Study (3 credit hours)
- LIT 6934 ST: Literature (3 credit hours)
- LIT 6941 Practicum: Teaching Literature (3 credit hours)
- AML 6455 Studies in American Literature (3 credit hours)
- CRW 6025 ST. Creative Writing (3 credit hours)
- CRW 6130 Fiction Workshop (3 credit hours)
- ENL 6455 Studies in British Literature (3 credit hours)



## Table of Contents

### Major: Music Performance Concentration: Voice Degree: Master of Music

#### 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 Choral Ensemble (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 Choral Ensemble (1 credit)

MVV6976 Graduate Voice Recital (1 Credit)

#### Term Three (9 credits)

---

SELECT 1 MUSIC HISTORY/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

MUS6205 Lyric Diction (2 Credits)  
MVV6451 Applied Voice (2 Credits)  
SELECT A LARGE ENSEMBLE

- MUO 6655 Opera Ensemble (1 credit)
- MUN 6315 Choral Ensemble (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 Four (9 credits)

---

LANGUAGE FLUENCY IN FRENCH OR GERMAN  
MVV6451 Applied Voice (2 Credits)  
SELECT A LARGE ENSEMBLE

- MUO 6655 Opera Ensemble (1 credit)
- MUN 6315 Choral Ensemble (1 credit)

MVV6976 Graduate Voice 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)

## Table of Contents

### 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
- A verbal score on the GRE of 153 or better

#### Major Requirements (6 credits)

---

A minimum of 33 semester hours are required for the degree.

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 (6 credit hours)

SELECT 2 AMERICAN LIT (5000/6000)

- AML (6 credit hours)

SELECT 5 FROM THE FOLLOWING:

(15 credit hours):

- AML 6506 Studies in Early American Literature (3 credits)
- AMP 6507 Studies in Later American Literature (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 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)
- 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)

## Table of Contents

### 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 (1 Credit)

#### 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 (1 Credit)  
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\_ ONE MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 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 (1 Credit)

**Term Four (9 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 (1 Credit)

MVO6451 Graduate Recital (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)

ELECTIVES SELECT 1:

- MUH 6000-6999 (3 credits) or MUT 6000-6999 (3 credits)

MUS6960 Comprehensive Oral Examination (0 Credits)



## Table of Contents

### Major: General Psychology

### Degree: Master of Arts

#### Prerequisites (12 credits)

---

##### SELECT 1 RESEARCH METHODS/STATISTICS

- PSY 3214 Psychology Research Methods
- PSY 3213L Research Methods Lab
- STA 2014 Elementary Statistics

##### SELECT 1 EXPERIMENTAL COURSE

- EAB 3013C Experimental Analysis Behavior/Lab
- EXP 3461C Human Learning & Performance
- EXP 3680C Experimental Cognitive Psychology
- PSY 4302C Psychological Testing
- SOP 3214C Experimental Social Psychology
- EXP 3703C Computer Applications in Psychological Research

##### SELECT 2 FROM THE FOLLOWING:

- CLP 4143 Psychology of Abnormal Behavior
- DEP 3054 Lifespan Development Psychology
- EXP 3604 Cognitive Psychology
- PPE 4003 Personality Theories
- PSB 3002 Psychobiology
- SOP 3004 Social Psychology

#### Major Requirements (39 credits)

---

Grades of B or above are required in all courses.

A minimum of 39 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.

DEP6055 Human Development (3 Credits)

EXP6506 Learning and Cognition (3 Credits)

PPE6466 Advanced Personality Theories (3 Credits)

PSY6217 Research Design and Analysis (4 Credits)

SOP6069 Advanced Social Psychology (3 Credits)

PSY6910 Supervised Research (3 Credits)

Take Twice

PSY6937 Collqum in Psychological Rsrch (1 Credit)

Take Twice

PSY6971 Thesis A (3 Credits)

PSY6972 Thesis B (1-6 Credits)

STA5126 Stat Methods/Social Sciences (3 Credits)

PSY6932 St:Psychological Sci Seminar (3 Credits)

PSB6031 Advanced Biopsychology (3 Credits)

## Table of Contents

### Major: Practical Phi & Applied Ethics

#### Degree: Master of Arts

#### Prerequisites

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While students entering in the M.A. Program are not required to have a B.A. in philosophy, they are expected to have completed at least one undergraduate course in each of the following areas: logic, history of philosophy, and theoretical philosophy.

Entering students who have not met this requirement will be expected to take courses in these areas on remedial basis, which may involve up to nine credit hours of additional course work.

- One course in logic
- One course in history of philosophy
- One course in theoretical philosophy

PREREQS .

#### Major Requirements (24 credits)

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Grades of B or above are required in all graduate courses.

PHI6937 Themes Methods Pract. Phil. (3 Credits)

- Themes and Methods in Practical Philosophy

PHI6938 Themes Method Applied Ethics (3 Credits)

- Themes and Methods in Applied Ethics

PHI5605 Ethics (3 Credits)

SELECT 1 INTRO ETHICAL ISSUES

- PHI 5627 Ethics Sex Gender
- PHI 5628 Business Ethics
- PHI 5634 Bioethics
- PHI 5668 Ethics East West
- PHI 5675 Moral Conflict
- PHI 5691 Environmental Ethics
- PHI 5886 Ethics and Lit
- PHI 6125 Ancient Greek Ethics
- PHI 6676 Lies & Self-Deception
- PHM 5677 Ethical Issues in Public Health
- PHM 5366 Global Justice
- PHM 5056 Death and Dying

SELECT 1 PRACTICAL PHILOSOPHY

- PHH 5505 19th Century Philosophy
- PHM 5105 Social Philosophy
- PHM 5305 Political Philosophy
- PHM 5365 Philosophy of Democracy
- PHM 5405 Philosophy of Law
- PHM 6345 Contemporary Political Philosophy
- PHI 5808 Aesthetics
- PHI 6225 Philosophy of Language
- PHI 6405 Philosophy of Science
- PHI 6425 Philosophy of the Social Sciences
- PHI 6458 Philosophy of Psychiatry
- PHP 5794 Pragmatism

SELECT 3 ELECTIVE COURSE

- PHI PHH PHM PHP

### Capstone Experience (9 credits)

---

Grades of B or better are required in all graduate courses.

a minimum of 33 hours is required for the degree.

all students must apply for graduation during registration for the last semester of courses at UNF.

Continual enrollment (summer exempted) until graduation required.

SELECT Internship, Thesis or Portfolio

Option 1: 9 hours of internship practicum, research and writing. PHI6942 repeatable up to 15 hours.

- PHI 6942 Internship in Applied Ethics

Option 2: 9 hours of thesis research/writing. PHI6971 repeatable up to 15 hours.

- PHI 6971 Thesis

Option 3: 3 hours portfolio preparation plus 6 hours additional graduate courses. PHI6951 repeatable up to 9 hours.

- PHI 6951 Portfolio Preparation
- PHI, PHH, PHM, PHP

## Table of Contents

### Major: History

### Concentration: European History (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. Independent Studies and Internships may not substitute for required Readings Courses 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 Research Seminar (subsequently revised if they choose) to a committee of three faculty members, at least one of whom will be in student's field. The committee will review the paper and will examine the student on the paper's historical and historiographic context.

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)

- EUH 6905 Readings in Eur History I
- EUH 6906 Readings in Eur History II
- AMH 6905 Readings in Am History I OR AMH 6907 Readings in Am History II

SELECT A 2 Euro Hist Res Sems (6 hrs)

- 6000 level
- EUH
- HIS with permission of Graduate Program Director

SELECT B 1 Hist Research Sem (3 hrs)

- 6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT C 2 History Courses (6 hrs)

- 6000 level
- 
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT D 4 History Courses (12 hrs)

- 5000/6000 level
- 
- EUH/AMH/LAH/ASH/AFH/HIS

## Table of Contents

**Major: Public Administration**  
**Concentration: General 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 POS 3713 Political Inquiry and Analysis.

### Core Requirements (24 credits)

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NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, PUP 6006, and PUP 6007. PAD 6060 is a prerequisite for PAD 6066.

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 7 of the 8 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. The MPA program requires successful completion of 42 credit hours. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

Students from the UNF undergraduate MPA fast track program who have successfully met the admission requirements of the MPA program are not required to take PAD 6106 Admin. Behavior in Public Org. (3 credits). They must take the remainder of the MPA core but are further required to take only 4 electives, for a total of 33 hours of graduate course work.

- 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)
- PAD6436 Ethics in Public Service (3 Credits)
- PAD6066 Capstone Seminar (3 Credits)  
Prereq: requires permission of MPA director

### Major Requirements (18 credits)

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NOTE: The requirement to complete PAD6946 may be waived by the MPA director if the student is currently working in a public or non-profit field or if the student has previously worked in a public or non-profit field for a minimum of one year. This determination will be made by the MPA Director upon admittance to the MPA program. Students may also apply for a financial hardship waiver once they are in the program. These waivers will be granted on a very limited basis by the MPA program internship advisor. Students are required to take five or six courses, depending upon whether or not they are required to complete an internship, from among other MPA program courses. Other electives from outside the MPA program may be approved by the MPA director.

- PAD6946 Internship in Public Admin (3 Credits)
- SELECT 5 to 6 MPA Program Courses

## Table of Contents

### Major: History

### Concentration: European History with 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) will be permitted for the thesis program. Internships will not substitute for 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 the binding of the thesis and its delivery to the UNF library.

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)

- EUH 6905 Readings in Eur History I
- EUH 6906 Readings in Eur History II
- AMH 6905 Readings in Am History I OR AMH 6907 Readings in Am History II

SELECT A 2 Euro His Res Sems (6 hrs)

- 6000 level
- EUH
- HIS with permission of Graduate Program Director

SELECT B 1 His Research Sem (3 hrs)

- 6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT C 4 History Courses (12 hrs)

- 5000/6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

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.

## Table of Contents

**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 POS 3713 Political Inquiry and Analysis.

### Core Requirements (24 credits)

---

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, PUP 6006, and PUP 6007. PAD 6060 is a prerequisite for PAD 6066.

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 7 of the 8 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. The MPA program requires successful completion of 42 credit hours. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

Students from the UNF undergraduate MPA fast track program who have successfully met the admission requirements of the MPA program are not required to take PAD 6106 Admin. Behavior in Public Org. (3 credits). They must take the remainder of the MPA core but are further required to take only 4 electives, for a total of 33 hours of graduate course work.

- 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)
- PAD6436 Ethics in Public Service (3 Credits)
- PAD6066 Capstone Seminar (3 Credits)  
Prereq: requires permission of MPA director

### Major Requirements (12 credits)

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Students choosing the Health Administration track may not select any additional courses in graduate programs other than the MPA program. 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 Health Policy (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 (6 credits)

---

- PAD6946 Internship in Public Admin (3 Credits)

NOTE: The Requirement to complete PAD 6946 may be waived by the MPA director if the student is currently working in a public or non-profit field or if the student has previously worked in a public or non-profit field for a minimum of one year. This determination will be made by the MPA Director upon admittance to the MPA program. Students may also apply for financial hardship waiver once they are in the program. These waivers will be granted on a very limited basis by the MPA program internship advisor. Students are required to take one or two courses, depending upon whether or not they are required to complete an internship, from among other MPA program courses. Other electives from outside the MPA program may be approved by the MPA director.

SELECT 1-2 additional MPA courses



## Table of Contents

### Major: History

### Concentration: US History (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. Independent Studies and Internships may not substitute for required Readings Courses 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 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.

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)

- AMH 6905 Readings in Am History I
- AMH 6907 Readings in Am History II
- EUH 6905 Readings in Eur History I OR EUH 6906 Readings in Eur History II

SELECT A 2 Amer Hist Res Sems (6 hrs)

- 6000 Level
- AMH
- HIS with permission of Graduate Program Director

SELECT B 1 Hist Research Sem (3 hrs)

- 6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT C 2 History Courses (6 hrs)

- 6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT D 4 History Courses (12 hrs)

- 5000/6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

## Table of Contents

### 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 POS 3713 Political Inquiry and Analysis.

#### Core Requirements (24 credits)

---

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, PUP 6006, and PUP 6007. PAD 6060 is a prerequisite for PAD 6066.

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 7 of the 8 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. The MPA program requires successful completion of 42 credit hours. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

Students from the UNF undergraduate MPA fast track program who have successfully met the admission requirements of the MPA program are not required to take PAD 6106 Admin. Behavior in Public Org. (3 credits). They must take the remainder of the MPA core but are further required to take only 4 electives, for a total of 33 hours of graduate course work.

- 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)
- PAD6436 Ethics in Public Service (3 Credits)
- PAD6066 Capstone Seminar (3 Credits)  
Prereq: requires permission of MPA director

#### Major Requirements (12 credits)

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- PAD6807 Urban Administration (3 Credits)
- POS6158 Politics/Policy in Local Govt (3 Credits)
- SELECT 2 electives  
(from the following, or approved by the MPA Director):
  - URP 6058 Urban & Regional Planning
  - POS 6095 Intergovernmental Relations
  - PAD 6207 Municipal Finance Administration
  - PAD 5384 Civic Groups and Public Policy

#### Major Electives (6 credits)

---

- PAD6946 Internship in Public Admin (3 Credits)  
NOTE: The Requirement to complete PAD 6946 may be waived by the MPA director if the student is currently working in a public or non-profit field or if the student has previously worked in a public or non-profit field for a minimum of one year. This determination will be made by the MPA Director upon admittance to the MPA program. Students may also apply for financial hardship waiver once they are in the program. These waivers will be granted on a very limited basis by the MPA program internship advisor. Students are required to take one or two courses, depending upon whether or not they are required to complete an internship, from among other MPA

program courses. Other electives from outside the MPA program may be approved by the MPA director.

SELECT 1-2 additional MPA courses

## Table of Contents

### Major: History

### Concentration: US History with 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) will be permitted for the thesis program. Internships will not substitute for 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 the binding of the thesis and its delivery to the UNF library.

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)

- AMH 6905 Readings in Am History I
- AMH 6907 Readings in Am History II
- EUH 6905 Readings in Eur History I OR EUH 6906 Readings in Eur History II

SELECT A 2 Amer Hist Res Sems (6 hrs)

- 6000 Level
- AMH
- HIS with permission of Graduate Program Director

SELECT B 1 Hist Research Sem (3 hrs)

- 6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT C 4 History Courses (12 hrs)

- 5000/6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

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.

## Table of Contents

**Major: Public Administration**  
**Concentration: National Security**  
**Degree: Master of Public Admin.**

### Core Requirements (24 credits)

---

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, PUP 6006, and PUP 6007. PAD 6060 is a prerequisite for PAD 6066.

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 7 of the 8 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. The MPA program requires successful completion of 42 credit hours. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

Students from the UNF undergraduate MPA fast track program who have successfully met the admission requirements of the MPA program are not required to take PAD 6106 Admin. Behavior in Public Org. (3 credits). They must take the remainder of the MPA core but are further required to take only 4 electives, for a total of 33 hours of graduate course work.

- 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)
  - PAD6436 Ethics in Public Service (3 Credits)
  - PAD6066 Capstone Seminar (3 Credits)
- Prereq: requires permission of MPA director

### Major Requirements

---

#### SELECT FROM THE FOLLOWING:

National security policy & administration track students must transfer 9-15 hours from the Naval War College nonresidential seminar program in order to meet the 42 hour MPA graduation requirement. Select one to three (3-9 credits, depending on the number of credits transferred in) of the following courses to meet the 42 credit MPA program requirement. Students may select courses in graduate programs other than the MPA program with the approval of the MPA director.

- PAD 5605 Administrative Law
- PAD 6021 Case Studies in Public Administration
- PAD 6053 Issues in Public Management
- PAD 6207 Municipal Finance Administration
- PAD 6447 Managing Diversity in Public & Nonprofit Organizations
- PAD 6612 Regulatory Administration
- PAD 6807 Urban Administration
- PAD 6900 Directed Independent Study
- PAD 6934 ST: Public Administration
- PAD 6946 Internship in Public Administration
- POS 6095 Intergovernmental Relations
- POS 6158 Politics & Policy in Local Government
- URP 6058 Urban & Regional Planning

## Table of Contents

**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 Computer Science 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
- MAA 6938 Topics in Applied Analysis
- MAP 6336 Ordinary Differential Equations
- MAP 6345 Partial Differential Equations
- MAP 6605 Topics in Financial Mathematics
- MAP 6932 Topics in Optimization
- MAS 6218 Topics in Number Theory
- MAS 6311 Abstract Algebra
- MAS 6933 Topics in Algebra
- MAS 6938 Topics in Applied Algebra
- MAT 5932 ST: Mathematical Science
- MAT 6908 Directed Individual Study
- MAT 6933 ST: Mathematics
- MAT 6938 Seminar in Mathematics
- MAT 6971 Thesis
- STA 6666 Statistical Quality Control

## Table of Contents

### 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 POS 3713 Political Inquiry and Analysis.

#### Core Requirements (24 credits)

---

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, PUP 6006, and PUP 6007. PAD 6060 is a prerequisite for PAD 6066.

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 7 of the 8 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. The MPA program requires successful completion of 42 credit hours. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

Students from the UNF undergraduate MPA fast track program who have successfully met the admission requirements of the MPA program are not required to take PAD 6106 Admin. Behavior in Public Org. (3 credits). They must take the remainder of the MPA core but are further required to take only 4 electives, for a total of 33 hours of graduate course work.

- 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)
- PAD6436 Ethics in Public Service (3 Credits)
- PAD6066 Capstone Seminar (3 Credits)  
Prereq: requires permission of MPA director

#### Major Requirements (12 credits)

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- PAD6142 Mgt of Nonprofit Orgs (3 Credits)
  - PAD6208 Nonprofit Financial Management (3 Credits)
  - PAD6164 NPO Stakeholder Relations (3 Credits)
- SELECT 1 FROM THE FOLLOWING:  
Nonprofit Management elective (from the following, or approved by the MPA Director):
- PAD 5384 Civic Groups and Public Policy
  - E-Governance in Public and Nonprofit Organizations
  - EDA 6930 Grants Development and Project Design
  - EDA 6706 Grantsmanship

#### Major Electives (6 credits)

---

- PAD6946 Internship in Public Admin (3 Credits)  
NOTE: The Requirement to complete PAD 6946 may be waived by the MPA director if the student is currently working in a public or non-profit field or if the student has previously worked in a public or non-profit field for a minimum of one year. This determination will be made by the MPA Director upon admittance to the MPA program. Students may also apply for financial hardship waiver once they are in the program. These waivers will be granted on a very limited basis by the MPA program

internship advisor. Students are required to take one or two courses, depending upon whether or not they are required to complete an internship, from among other MPA program courses. Other electives from outside the MPA program may be approved by the MPA director.

SELECT 1-2 additional MPA courses



## Table of Contents

### 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 Computer Science 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)

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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
- STA 6167 Statistical Methods II
- STA 6205 Design of Experiments
- STA 6226 Sampling
- STA 6505 Categorical Data Analysis
- STA 6666 Statistical Quality Control
- STA 6707 Multivariate Methods
- STA 6XXX Mathematical Statistics II
- STA 6908 Directed Individual Study
- STA 6932 ST: Statistics
- STA 6938 Seminar in Statistics
- STA 6940 Statistical Consulting
- STA 6971 Thesis

## Table of Contents

**Major: Public Administration**  
**Concentration: Public Policy**  
**Degree: Master of Public Admin.**

### Prerequisites (6 credits)

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- 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 POS 3713 Political Inquiry and Analysis.

### Core Requirements (24 credits)

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NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, PUP 6006, and PUP 6007. PAD 6060 is a prerequisite for PAD 6066.

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 7 of the 8 required core courses; and MPA students must meet the minimum graduation requirements for master's degree students at the university. The MPA program requires successful completion of 42 credit hours. All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

Students from the UNF undergraduate MPA fast track program who have successfully met the admission requirements of the MPA program are not required to take PAD 6106 Admin. Behavior in Public Org. (3 credits). They must take the remainder of the MPA core but are further required to take only 4 electives, for a total of 33 hours of graduate course work.

- 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)
- PAD6436 Ethics in Public Service (3 Credits)
- PAD6066 Capstone Seminar (3 Credits)  
Prereq: requires permission of MPA director

### Major Requirements (12 credits)

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- PUP6007 Policy Analysis (3 Credits)
- PAD6706 Research Design (3 Credits)  
(prereq: PAD 5700, with grade of B or better)
- SELECT Two Electives from below:  
(Other courses may be approved by the MPA Director)
  - URP 6058 Urban and Regional Planning
  - PAD 5384 Civic Groups and Public Policy
  - POS 6158 Policy and Politics in Local Government
  - PAD 6256 Public Economics (prereq: PAD 6227 with a grade of B or better)

### Major Electives (6 credits)

---

- PAD6946 Internship in Public Admin (3 Credits)  
NOTE: The Requirement to complete PAD 6946 may be waived by the MPA director if the student is currently working in a public or non-profit field or if the student has previously worked in a public or non-profit field for a minimum of one year. This determination will be made by the MPA Director upon admittance to the MPA program. Students may also apply for financial hardship waiver once they are in the program. These waivers will be granted on a very limited basis by the MPA program

internship advisor. Students are required to take one or two courses, depending upon whether or not they are required to complete an internship, from among other MPA program courses. Other electives from outside the MPA program may be approved by the MPA director.

SELECT 1-2 additional MPA courses

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### Major: Music Performance Concentration: Conducting Degree: Master of Music

#### Term One (9 credits)

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MUS5711 Bibliography (3 Credits)

MUG6205 Advanced Choral Conducting (2 Credits)

SELECT ONE APPLIED CONDUCTING COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Choral Ensemble (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)
- MUN 6466 Instrumental Ensemble Performance (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\_ 1 MUSIC HISTORY/THEORY COURSE

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

MUG6957 Graduate Conducting Recital (2 Credits)

SELECT ONE APPLIED CONDUCTING COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Choral Ensemble (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)
- MUN 6466 Instrumental Ensemble Performance (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 Three (9 credits)

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SELECT\_ ONE MUSIC HISTORY OR THEORY

- MUH 6684 Perspectives in Music History (3 credits)
- MUT 6761 Perspectives in Music Theory (3 credits)

MUG6957 Graduate Conducting Recital (2 Credits)

SELECT ONE APPLIED CONDUCTING COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Choral Ensemble (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)
- MUN 6466 Instrumental Ensemble Performance (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 Four (9 credits)**

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MUG6305 Adv Instrumental Conducting (2 Credits)

SELECT\_1 LITERATURE COURSE

- MUL 6645 Choral Literature (2 credits)
- MUL 6567 Instrumental Literature (2 credits)

SELECT\_1 CONDUCTING & LIT. COURSE

- MUG 6356 Instrumental Conducting and Literature Seminar (2 credits)
- MUG 6256 Choral Conducting and Literature Seminar (2 credits)

SELECT ONE APPLIED CONDUCTING COURSE

- MUG 6206 Applied Choral Conducting (2 credits)
- MUG 6306 Applied Instrumental Conducting (2 Credits)

SELECT A LARGE ENSEMBLE

- MUN 6315 Choral Ensemble (1 credit)
- MUN 6215 Orchestra (1 credit)
- MUN 6145 Wind Symphony (1 credit)
- MUN 6466 Instrumental Ensemble Performance (1 credit)

MUG6954 Grad Cond Lecture Recital (0 Credits)

MUS6960 Comprehensive Oral Examination (0 Credits)

## Table of Contents

### Major: Applied Ethics Certificate Degree: Post-Baccalaureate Certificate

#### Certificate Requirements (12 credits)

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The certificate program seeks to foster application of ethical & philosophical knowledge to concerns in social, political, economic and cultural life. The primary objective is to offer practically oriented but philosophically grounded expertise in ethics and normative theory.

PHI5605 Ethics (3 Credits)

PHI6938 Themes Method Applied Ethics (3 Credits)

SELECT 2 ELECTIVES IN APPLIED ETHICS

Decided upon mutually by the student and the graduate coordinator.

- PHI PHP

## Table of Contents

### 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

## Table of Contents

### 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)

For more information on course descriptions please visit the course catalog.



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### Major: Public Management Cognate

#### Cognate: Public Management Cognate (12 credits)

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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 certificate 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

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**Major: ASL/English Interpreting**  
**Concentration: Interpreting Pedagogy**  
**Degree: Master of Science**

### Major Requirements (36 credits)

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INT5457 Interp Intercultural Contexts (3 Credits)  
INT5800 Interp. Ed: Past, Pres. Future (3 Credits)  
INT5801 Leadership in Interpreter Ed. (3 Credits)  
INT5805 Mentoring Int. Ed. (3 Credits)  
INT5954 Service Learn DC (3 Credits)  
INT6276 Teaching Cognitive Processing (3 Credits)  
INT6810 Curriculum Dev. and Rev. (3 Credits)  
INT6830 Adult Trans. Learn Interp Ed (3 Credits)  
INT6840 Distance Learning Int. Ed. (3 Credits)  
INT6911 Applied Research Interpret (3 Credits)  
INT6942 Internship I (3 Credits)  
INT6943 Internship II (3 Credits)

## Table of Contents

### Major: Elementary Education Concentration: Professional Education Degree: Master of Education

#### Core Requirements (6 credits)

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- EDF6480 Foundations of Ed Research (3 Credits)
- EDF6607 Education in America (3 Credits)

#### Major Requirements (12 credits)

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- EDE6205 Teaching All Children (3 Credits)
- EDE6225 The Element School Curriculum (3 Credits)
- SELECT 1 from the following:

- EDG 6356 Models of Teaching
- EDG 6407 Managing Effective Learning Env.
- EDF 5608 Sociological Bases of Education
- EME 6050 Enhancing Instruction w/Technology
- EDF 6442 Assessment in the Curriculum

SELECT\_ 1 from the following:

- LAE 6319 Lang. Arts Methods for Elem. Teachers
- SCE 6117 Science for Elem. Teachers
- MAE 6318 Mathematics for Elem. Teachers
- EEC 6611 Early Childhood Education
- RED 6000 Lang & Cognitive Foundations for Reading
- TSL 6345 ESOL Methods
- EDE 6935 Special Topics
- SSE 6318 Social Study Methods: Elem

#### Major Electives (12 credits)

---

SELECT From the following:

- In consultation with your program leader, select 4 graduate (5000-6000 level) courses from the following prefixes: EDE/EEC/EGI/EME/LAE/MAE/RED/SSE/SCE/TSL

#### Culminating Experience (6 credits)

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CHOOSE ONE OF THE FOLLOWING OPTIONS:

OPTION ONE:

- EDF 6971 Research Master Thesis (1-6 hrs)

OPTION TWO:

- EDE 6940 Professional Lab Experience (1-6 hrs)
- EDF 6905 Research Studies in Education (3)

OPTION THREE:

- 6 semester hours of Program Electives in consultation with program sponsor.

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**Major: Certificate in TESOL**

**Degree: Post-Baccalaureate Certificate**

### Certificate Requirements (18 credits)

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TSL6142 ESOL: Curriculum Development (3 Credits)

TSL6252 Principles of Ling/ESOL (3 Credits)

TSL6345 ESOL Methods (3 Credits)

TSL6350 Grammar for Teachers of ESOL (3 Credits)

TSL6440 Assessment in ESOL Settings (3 Credits)

TSL6525 Cross Culture Comm/Knowledge (3 Credits)

## Table of Contents

### Major: Sport Management

### Degree: Post-Baccalaureate Certificate

#### Certificate Requirements (15 credits)

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\*Students who have an undergraduate degree in Sport Management are not required to take SPM 6608 Foundation in Sport Management, therefore completing the certificate with 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)

## Table of Contents

### Major: Early Childhood Education Cert Degree: Post-Baccalaureate Certificate

#### Certificate Requirements (18 credits)

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- EEC6205 C and I in Early Childhood Ed (3 Credits)
- EEC6261 Infants and Toddlers (3 Credits)
- EEC6611 Early Childhood Education (3 Credits)
- EEC6756 Social-Emotional Development (3 Credits)
- EEC6944 Practicum Early Childhood Ed (3 Credits)
- RED6000 Lang and Cognit Found for Read (3 Credits)

## Table of Contents

### Major: Transformation of Conflict Degree: Post-Baccalaureate Certificate

#### Certificate Requirements (18 credits)

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EDA6991 Exp: Educational Admin (0-12 Credits)  
EDG6403 Foundations of Conflict Trans (3 Credits)  
ELECTIVES Select 3 courses (9 hours)

Students should see the Program Director for specific pre-approve electives to select from.

- Student can refer to the following website for more information.
- <http://www.unf.edu/~ccarter/ct/>

PAX6490 Practicum Conflict Transf.

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### Major: Educational Leadership Cert

### Degree: Post-Masters Certificate

#### Certificate Requirements (27 credits)

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- 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 Introduction to Ed Leadership (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)

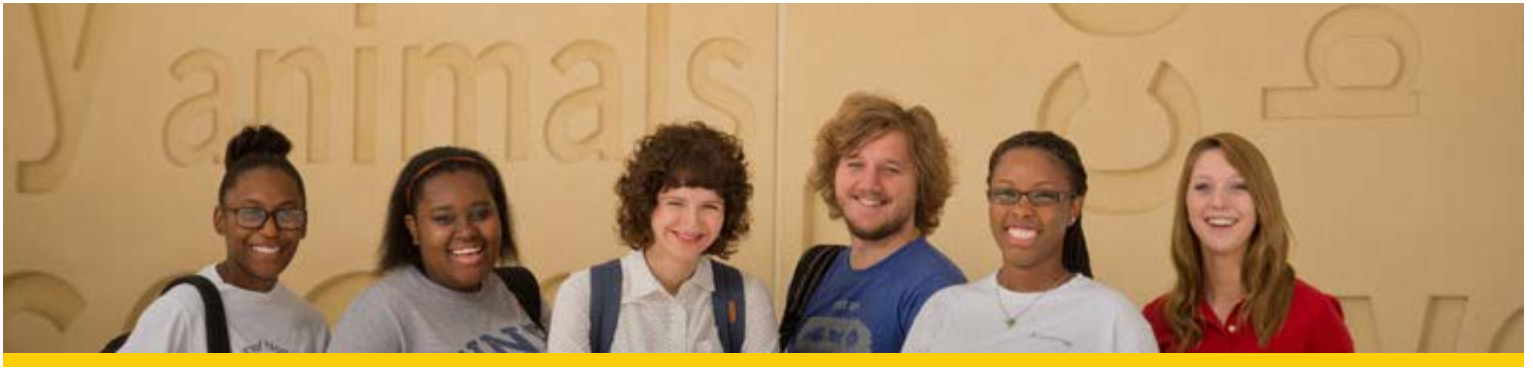
EDG6625 Curriculum Leadership Schools (3 Credits)

EDH6946 Practicum in Higher Ed. Admin. (3 Credits)

EDS6050 Instructional Leadership (3 Credits)

EDS6130 Human Resource Deve in Educati (3 Credits)





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# Placement and Retroactive Credit in French, Spanish, and Chinese

## Placement

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All incoming students who have studied French and Spanish in high school must take the free online French and Spanish placement tests prior to enrolling at UNF. Based on that score, students will be advised at which course level to enroll.

All heritage or native speakers of French or Spanish (who may not have studied the language in high school) must take the on-line 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 Chinese students who have studied the language at the high school level or who are heritage speakers of the language must meet with the Chair of the Department of Languages, Literatures, and Cultures prior to enrollment. The chair will refer them to the Chinese instructor to ascertain the level at which they must begin their language studies.

## Retroactive Credit

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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 Registrar will add the retroactive credits to the student's transcript 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.



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# 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 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.



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# 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**

Under this heading, the University of North Florida Student Handbook 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 Student Affairs, and requesting additional action be taken.

The consequences of a breach of academic integrity may result in an F, which is unforgivable, regardless of withdrawal status.

To view the Student Handbook, [click here](#).



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# 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 himself/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.

To view the University's current official policy, [click here](#).





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# 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 e-mail account at no cost to the student. E-mail is the official method of communication for University correspondence. **These University-provided e-mail addresses are the only officially recognized e-mail addresses for all currently enrolled students.**

UNF e-mail accounts should be checked regularly.

Students who have external (non-University-provided) e-mail addresses may elect to forward e-mail sent to their University-provided e-mail address to another e-mail address of their choice; however, the responsibility for establishing and maintaining the forwarding mechanism rests with the student and delivery to non-UNF e-mail addresses cannot be guaranteed.

To view the University's current official policy, [click here](#).



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# 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: [Office of Student Affairs](#)
- Student Disciplinary: [Office of Student Affairs](#)
- Student Health/Medical: [Office of Student Health Services](#)
- Student Placement Records: [Enrollment Services](#)
- Student Services: [Office of Student Affairs](#)





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# 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.

To view the University's current official policy, [click here](#).



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# Release of Student Information (FERPA)

Students, upon written request, may review their own academic record. 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, or other family member, the address of the student, a personal identifier such as the student's social security number or a student number, a list of personal characteristics which would make the student's identity easily traceable, or other information which would make the student's identity traceable.

"Education records" are those records, which are maintained by the University and employees/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, or parent(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 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 as follows:
  - o Officials and faculty of the University or other state of Florida school officials who have a legitimate educational interest in the information;
  - o Officials of other schools in which the student seeks to enroll;

- o Federal, state, local, and independent agencies and representatives as authorized by federal and state law who have a legitimate educational interest in the information;
- o Officials presenting a judicial order or lawfully-issued subpoena;
- o Appropriate parties in a health or safety emergency;
- o 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;
- o and in accordance with the USA Patriot Act of 2001.

Additionally, because of the University's commitment to continue 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**

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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. Transcripts from previous educational institutions or standardized test scores must be requested from that institution or testing agency. Course work 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.

Requests for copies of educational records should be submitted in writing to One-Stop Student Services. 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, written authorization from the student and picture identification are required.

## **Right to Explanation and Interpretation**

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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 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 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 or other rights of the student, it 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

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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 the following:

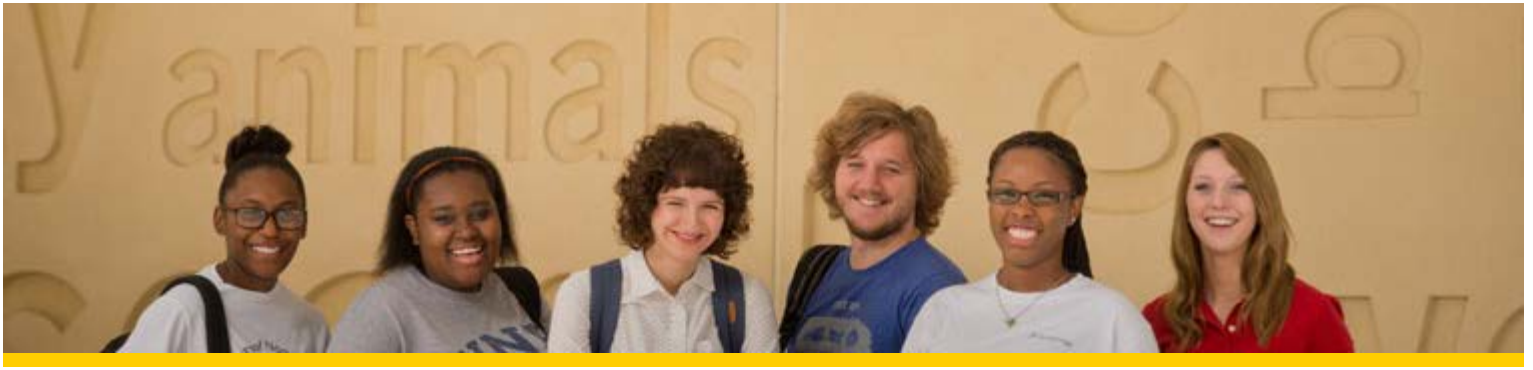
*“Name, mailing address, telephone number, dates of attendance, admitted college/majors, degree(s) awarded, status (full or part-time), classification (freshman, sophomore, etc.), participation in officially recognized activities and sports, Honors, weight/height of athletes, and student images, including 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 non-disclosure request is completed, the University will require documentation from the individual or organization requesting such information that the student has given written permission prior to the University releasing said information. 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.

To view the University's current official policy, [click here](#).



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# Right of Appeal

All members of the University community are entitled to fair and equitable procedures.

### **Appeals concerning UNF policies**

Any student who believes that a University policy imposes an undue hardship may petition that policy by submitting a Request for Waiver of University Policy form. Forms are available in One-Stop Student Services and supporting documentation is required before a petition will be reviewed. Students will be notified via e-mail of the results of a submitted petition. Submission of a petition does not guarantee approval.

### **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. Students can pick up the guidelines for grade appeals at One-Stop Student Services.

### **Appeals concerning civil rights**

Members of the community who believe 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.

To view the University's current official policy concerning grade appeals, [click here](#).





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# 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, and non-consensual sexual intercourse, 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.

In determining whether alleged conduct constitutes sexual misconduct 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 regulation will be subject to disciplinary action up to and including termination.

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 Diversity**, University of North Florida, J. J. Daniel Hall, Room 1201, 1 UNF Drive, Jacksonville, Florida 32224-2645, (904) 620-2507 Voice & 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.

To view the University's current official policy, [click here](#).



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# Student Attendance Policy

Students are required to attend the first class meeting of courses for which they registered. Registered students not attending the first day of the semester **may** be dropped from the course(s) at the discretion of the instructor (Only some departments follow this policy, as it is optional. Please drop your course if you will not be attending). 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 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 in 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 he/she was absent due to a University-sponsored activity.

For the purposes of this policy, 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 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.

**Non-attendance does not guarantee a student will be dropped from a course.** The student is fee liable for all courses for which he/she is registered unless the student initiates a drop.







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# Student Classification

Undergraduate students are classified as follows:

<b>Year</b>	<b>Earned Credits</b>
Freshman:	0 - 29
Sophomore	30 - 59
Junior	60 - 89
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 Academic Center for Excellence. 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 & Sciences; the College of Computing, Engineering & Construction; or the College of Education & 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 to apply for a change of major. If the request is approved, it will be processed promptly.

Upon recommendation of the faculty and the chair of a department, the dean may deny a student's continued registration in the department.



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# First-Time-in-College Admission Requirements

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## 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. Scholastic Assessment Test (SAT) and American College Test (ACT) scores reflected on the high school record are considered official. Because UNF's freshman class is limited in size, admission is selective.

## Application Requirements

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

- Admission application
- \$30 Application fee
- High school transcripts
- 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.

## 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 encouraged to submit an [online application](#); however the paper version may be printed and submitted via mail or in person. Incomplete or illegible applications will not be processed. Applicants are directly responsible for providing accurate contact information.

## 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 online; 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 units in college preparatory courses, giving extra weight 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 units of English
- Four units of math (Algebra 1 or higher)
- Three units of natural science
- Three units of social science
- Two successive units of (the same) foreign language
- Two units 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 [IB](#), [AP](#), [AICE](#), [Dual Enrollment](#), [CLEP](#), [DANTES](#), or military SMART/AARTS transcripts.

## SAT and/or ACT score reports

It is the student's responsibility to ensure that official SAT and/or ACT scores have been received by the Office of Admissions by the deadline. Multiple scores are accepted and the best subsection scores will be considered. Writing portions of both tests are required. UNF's SAT code is 5490 and ACT code is 0711.

## 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 State of Florida has implemented new **minimum** admission standards for freshman applicants to all Florida public state universities. In order to be considered, students must have a minimum 2.5 recalculated GPA on a 4.0 scale and meet minimum test score requirements (460 SAT Critical Reading, 460 SAT Math, 440 SAT Writing; or 19 ACT Reading, 19 ACT Math, 18 ACT English/Writing). **Please keep in mind that these 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 their decisions are posted on their MyWings account under the Application Status link. Periodically, emails 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**

A student who is denied admission to UNF for academic reasons only, has a right to appeal that decision. If they choose to appeal, the student must submit a letter of appeal or supporting documentation, clearly stating the reasons why they believe they should be admitted to the university. Students should submit this document to:

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

To view the University's current official policy, [click here](#).

# Standard Admission Requirements

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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 timeframe 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 my Wings and clicking on "My UNF Communications."

Please note that admission decisions cannot be appealed.





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# Transfer Student Admission Requirements

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

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Students who apply with fewer than 60 [transferable](#) semester hours (90 transferable quarter hours) of college course work will be considered for admission to the freshman or sophomore class. Admission requirements will vary by major, term, and space-availability. In order to be considered, the following criteria must be met:

- Satisfy the same admissions requirements as incoming freshmen applicants, including meeting the State University System sliding scale with high school GPA and SAT/ACT scores.
- 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.

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.

Listed below are the minimum required materials for lower-level students to submit in order to be evaluated for an admission decision. Additional documentation may be requested.

- Admission application
- \$30 application fee
- Official high school transcripts
- Official 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 [AP](#), [AICE](#), [CLEP](#), [DANTES](#), [IB](#), and any military SMART/AARTS/JST transcripts

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

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

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Students who have completed an Associate in Arts (A.A.) degree at a Florida public post-secondary institution (university, community, state, or junior college); students who fall under the provisions of specific articulated programs; or students 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 [AP](#), [AICE](#), [CLEP](#), [DANTES](#), [IB](#), and any military SMART/AARTS/JST transcripts.

All transcripts and test scores must be official, arriving to One Stop Student Services 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**

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

## **Decision Notification Process**

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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 their decisions are posted on their MyWings account under the Application Status link. Periodically, emails 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**

---



A student who is denied admission to UNF for academic reasons only, has a right to appeal that decision. If they choose to appeal, the student must submit a letter of appeal or supporting documentation, clearly stating the reasons why they believe they should be admitted to the university. Students should submit this document to:

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

To view the University's current official policy, [click here](#).



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# International Student Requirements

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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 out" 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. Students with current insurance coverage may fill out the International Insurance Evaluation form available from the UNF Medical Compliance office. Students without insurance may purchase insurance through UNF Medical Compliance.
- 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.





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# Special Admission Consideration based on a Disability

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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 admission process. Students may voluntarily check the appropriate box about disability on the application and contact the Disability Resource Center (DRC) to discuss disability documentation requirements.

The University advises students with disabilities to register with the DRC immediately upon admission to UNF. **In order to provide accommodations, a student must be registered with the Disability Resource Center (DRC).**

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

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

To view the University's official regulation, [click here](#).



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# Adding/Dropping Courses and Late Registration

Students should exercise care in registration to avoid the necessity of schedule changes after classes have begun. During a registration period through the last day of add/drop, classes may be added or dropped from a student's schedule. Adds and drops may be completed via the [myWings](#) portal or in person at One-Stop Student Services. Courses officially dropped during the add/drop period will not be entered on a student's permanent record and a refund will be generated.

A final grade of "F" is assigned if a student discontinues attendance in a course without officially dropping or withdrawing.

**Non-attendance does not guarantee a student will be dropped from a class.** Students are fee liable for all courses for which they register unless they drop the course. Students must drop themselves from all courses they do not want to take.

Students whose first registration activity for a given semester occurs during add/drop week or students who add a class during the Late Registration period will be assessed a Late Registration fee of \$100. Students are not charged the Late Registration fee for every class added; it's only assessed once for that term.

Students are not permitted to add a course after the add/drop period unless there are unusual circumstances clearly beyond the student's control. When such a case exists, the student must complete and have approved a Request for Late Registration Form (available from One-Stop Student Services). A Late Registration fee of \$100 will be added to the student's account for late registration. 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 deadline must complete a Request for Waiver of University Policy form, supported by proper documentation, to be considered for late-adding a course.

Courses scheduled to meet for the first time after add/drop ends may be dropped the next business day only in One-Stop Student Services. Tuition payment is still due on the regular deadline for all classes.

Please refer to the Academic Calendar for specific registration period dates and deadlines.



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# Concurrent Enrollment

Concurrent Enrollment refers to currently registered UNF degree-seeking 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. Students planning to attend a Florida public community college, state college, or State University System institution must complete the online [Transient Student form](http://www.FLVC.org) at <http://www.FLVC.org> 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, available as a paper form from their academic advisor's office. 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 awarded unless the credits were approved by the appropriate academic advising office.

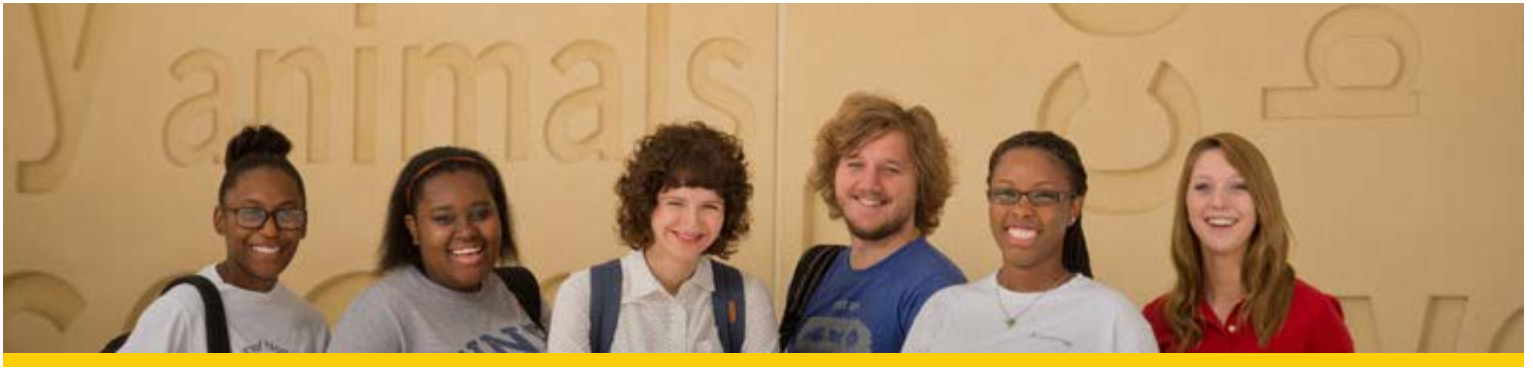
Upon completion of the course(s) at the other institution, the student must have an official transcript sent to UNF.

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. A student may be approved for seven hours of concurrent enrollment at another regionally accredited institution OR he/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 and for students facing other extenuating circumstances.





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# 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. Students who break continuous enrollment are subject to the program requirements published in the catalog for the academic year in which they re-initiate continuous enrollment at UNF. Additionally, a student who for each of three consecutive semesters either does not enroll or withdraws from all courses will be required by his or her academic department to convert to current program requirements. A student who breaks continuous enrollment must re-apply for admission and is subject to all admission requirements and criteria at the time of re-application.



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# Course Designations

The catalog number for all courses is the number developed by the Statewide Course Numbering System. These designations have been developed by faculty task forces to aid the transfer process for students with equated courses from public institutions within Florida.

Courses are identified with an alphabetic and numeric coding system. The alphabetic abbreviation identifies the course content and the numbers have the following meaning:

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

For a more detailed explanation of the Statewide Course Numbering System, please [click here](#).





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# Credit Earned as a Post-Baccalaureate

A student may apply up to 10 hours of graduate course work taken at UNF as a post-baccalaureate toward their graduate program of study. Such credits will be included in the student's UNF graduate GPA. The student must receive the approval of the program director, who then will inform the Graduate School.

To view the University's official policy, [click here](#).



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# 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
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
Principles of Marketing	C	Elective	MAR 1011	3
Psychology of Adulthood and Aging	C	Elective	DEP 1401	3
Spanish Language (UEXCEL)	C	Elective	SPN 1000	4
Workplace Communication with Computers	C	Elective	OST 1335	3
World Conflicts since 1900	C	Elective	WOH 1040	3



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# 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 he/she has 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, which has a description explicitly stating he/she 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.

To view the University's current official policy, [click here](#).

### Graduate Program Course Level

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Eighteen (18) 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, or (4) field-based coursework connected to teacher certification programs.

To view the University's official policy, [click here](#).



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# Graduate Transfer Credit Policy

The residency requirement at UNF is 24 credit hours, 18 of which must be taken at the 6000 level. No student may earn a UNF graduate degree without 24 hours of UNF graduate course credit. It is also required that students earn a majority of credits toward their degrees at UNF.

Individual programs have particular requirements concerning transferring in credits. Most graduate programs at UNF allow a student to transfer in approximately 20 percent of the overall graduate credits required for a degree (rounded up to the nearest number divisible by 3) from another regionally accredited institution, as allowable under the residency requirement and as approved on a course-by-course basis at the discretion of the appropriate graduate program director. Additional credits may be transferred in via special petition, subject to the approval of the appropriate graduate program director and the graduate dean. No student may transfer in more than 40 percent of the overall credits required for a degree.

A student who transfers in more than 20 percent of the credits required for a degree may not apply any credits earned as a transient student (hours taken at another institution while the student is matriculating at UNF) toward fulfillment of that degree's requirements without prior approval of the appropriate graduate program director and the graduate dean. Students wishing to enroll in courses at another institution for the purpose of transferring credits into their graduate program of study must complete a "Concurrent Enrollment" form and have prior approval from the appropriate graduate program director.

### **Additional credit transfer conditions:**

1. The student must have completed the course work subject to the time limits applicable to his or her current graduate program.
2. The student must have earned grades of 3.0 or higher in the courses.
3. The student is not entitled to apply transfer credits toward the 18-hour minimum of 6000-level courses required for all master's degrees.
4. The student is not entitled to transfer credit for correspondence courses, courses included in a completed degree program, or portfolio-based experiential learning that has taken place prior to admission to the current graduate program.

To view the University's official policy, [click here](#).

# Military Coursework

This regulation applies to eligible members of the United States Armed Forces. The basis for this regulation can be found in BOG 6.013 Military Veterans and Active Duty, 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 15 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, level of transfer credit allowed for a given degree.





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# Petitions

Students who feel they have serious extenuating circumstances may submit a petition to waive a University policy. Completing 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.

Documentation of the circumstances related to the request **MUST** accompany the petition for the case to be considered. Petitions submitted without documentation will be denied automatically. Please review the [Academic Policy & Regulation Petition PDF](#) to view items that cannot be petitioned.

For petition forms and questions regarding the process, please contact One-Stop Student Services or your advisor.



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# Prior to Registering

The Graduate School strongly encourages students to keep in touch with their graduate program director. On behalf of all graduate program directors, we recommend that graduate students review with their program director what graduate courses they plan on taking prior to registration.





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# 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. University presidents or their designees 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.

For the official Board of Governors regulation, [click here](#).



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# Withdrawals

Effective Fall 2013, there is a course withdrawal limit for all degree-seeking and non-degree seeking undergraduate students. The limit is six (6) UNF course withdrawals.

- **Three (3) course withdrawals at the 1000/2000 level**
- **Three (3) course withdrawals at the 3000 level or above**

Unused withdrawals are forfeited and may not be carried forward. After the withdrawal limit is reached, students will be blocked from further course withdrawals by the myWings registration system.

Any course withdrawals that took place prior to Fall 2013 do not count toward the limit. The withdrawal limitation only applies to courses taken in Fall 2013 or later.

Courses with a grade of WM, WS, or WR are excluded from the limitation policy.

Students are encouraged to meet with their advisor prior to completing a course withdrawal if there are questions about how this will affect the academic record or future coursework options.

Please note that graduate students do not have a withdrawal limit.

To view the University's current official policy, [click here](#).

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. The student may withdraw online through myWings or complete and submit an official withdrawal request form by the deadline to One-Stop Student Services. A grade of "W" will be assigned upon completion of the withdrawal request process, and no refund will be generated. If a student stops attending classes without officially withdrawing, a final grade of "F" is assigned.

Petitioning to extend the withdrawal deadline is not permitted under normal circumstances. Extraordinary situations must be documented.

Students should exercise care when withdrawing from classes, as such actions may impact the time needed to complete their degree(s) and current or future eligibility for financial aid and/or Veterans' Affairs (VA) educational benefits. Students seeking advice regarding the academic impact of withdrawing should contact their academic advisor. Students seeking advice regarding the impact withdrawing has on financial aid and/or VA benefits should contact One-Stop Student Services.

## Late Withdrawals

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A student may petition for late withdrawal if there are unusual circumstances clearly beyond the student's control. A student may petition for withdrawal from a course up until the end of the term, prior to grades posting. The dean or designee of the student's major college has final approval/disapproval authority. The course instructor does not approve or disapprove the withdrawal, but only assigns a grade of "WP" or "WF." The instructor may recommend an action or write an

explanation of the applicable circumstances. This policy does not mean a student has the right to withdraw from a course after the official withdrawal deadline simply because he/she had a passing grade at the time.

To view the University's current official policy, [click here](#).



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# Military Withdrawal Policy

Students who provide advanced notice are entitled to a leave of absence or complete withdrawal to engage in active duty, training for active duty, initial active duty for training, inactive duty for training, full-time National Guard duty, or attendance at an examination to determine their fitness for these kinds of duty.

These students will be provided with a full refund of tuition and other fees and will have a grade of WS posted on the transcript for the courses that were in progress at the time of their request. Additionally, a spouse of affected military personnel is granted the same consideration. Grades of WS do not count toward the withdrawal limitation policy.

Students and/or spouses of affected military personnel called to military service may withdraw themselves online on myWings or in person at One-Stop Student Services up until the deadline to withdraw from the term. To receive a full refund, the student must provide a copy of the affected military personnel's orders to One-Stop Student Services for review in Records and Registration. After review, the grade of WS will be recorded for ALL courses in which the student was enrolled (unless a grade of I (Incomplete) was issued by an instructor or other arrangements have been made). Once the WS is assigned, tuition will be refunded for those courses.

To view the University's current official policy, [click here](#).



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# Dean's List

Candidates for a baccalaureate degree who have completed 15 credit hours at UNF and have a term GPA of 3.5 or higher for at least nine hours are eligible for the Dean's List. Notification is sent by individual colleges. Dean's List designation is noted on the academic transcript for each term in which it applies.



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# 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 final exam period has ended for a semester.

For information regarding transcript ordering, please [click here](#).

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, FA, and WF	0 (calculated in GPA)

NR, X, I, P, W, WP, WM, WS, and WD 0.0 (not calculated in GPA)

### X - Audit

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. To extend an incomplete beyond one year, the student must petition for a waiver of University policy.

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 portion thereof are not submitted by the processing deadline. Enrollment Services Processing 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 a student has withdrawn officially from a course before the established deadline.

#### **WP - Withdrawn Passing**

A "WP" grade indicates a student has successfully petitioned to withdraw from a course after the official deadline and was making satisfactory progress at the time.

#### **WF - Withdrawn Failing**

A "WF" grade indicates a student has successfully petitioned to withdraw from a course after the official deadline and was not making satisfactory progress at the time.

#### **WM - Withdrawn Medical**

A "WM" grade indicates 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 being called for military duty 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.

To view the University's current official policy, [click here](#).



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# Grade and Term Forgiveness

## Grade Forgiveness

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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 Averages calculations, as described in the Academic Average (Grade Point Average) Policy.

1. Only two such requests are available to any student during his or her 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 as 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 number has been changed keeping the same content, 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 students 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 Average (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 grade point calculations only and does not affect the 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.

To view the University's current official policy, [click here](#).

## Term Forgiveness

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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 never 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 forgiven term will not be calculated in any of the student's Grade Point Averages (See the Academic Average (Grade Point Average) Policy.) The original grades will be calculated for the Latin Honors GPA.

6. This policy reflects UNF grade point calculations only and does not affect the 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 my Wings student portal.

8. Graduating students who wish to utilize term forgiveness should contact the University Registrar via One-Stop Student Services to request special consideration. Requests must be submitted prior to the date posted on the academic calendar for commencement.

To view the University's current official policy, [click here](#).



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# Graduate Academic Load

A full-time graduate course load is nine or more hours per semester (fall and spring) and six or more during the summer 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 12 hours for full-time status during the summer session. Students should plan their academic loads with recognition of the constraints on their time and other resources. Certain assistance programs such as financial aid, veterans administration programs, and certain scholarship programs require minimum loads for eligibility. For information on requirements for financial aid and veterans administration programs, refer to the Financial Information section of the catalog.

Students who wish to take more than 15 hours must present to the Graduate School written approval from the student's program director. 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.



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# Graduate Academic Progress

## 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 award 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 will be considered 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, he or she earns a "D" or an "F" in a graduate course in his or her 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.

To view the University's official policy, [click here](#).



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# Graduate Grade Point Average (GPA)

The graduate GPA includes all graduate credits taken once the student has been accepted as a degree-seeking graduate student. This includes all graduate credits taken as a post-baccalaureate student, even before official admission to a graduate program, when those credits are used to fulfill degree requirements.

When graduate credit hours taken as a post-baccalaureate student are not counted toward fulfillment of degree requirements, they are not counted in the construction of the graduate GPA. Undergraduate credits, no matter when they are taken, are not counted. Transfer credits are not counted.

The University Registrar determines GPA by dividing the sum of grade points earned in graded courses by the number of UNF hours attempted. In the following example, the sum of all grade points multiplied by credit hours (48.7) divided by the number of (Psychology) course credit hours (14) equals a GPA of 3.478.

Course	Grade	Points	x Credits Hrs	Total Points
PCO 6056	A-	3.7	4	14.8
PCO 6317C	B	3.0	4	12.0
PCO 6869	B+	3.3	3	9.9
PCO 6935	A	4.0	3	12.0
Totals:			14	48.7

The graduate GPA does not include hours with grades of X, I, P, NR, W, WP, WM, WS, and WD. Transfer credits are also not included. Graduate students are not eligible for grade or term forgiveness.

To view the University's official policy, [click here](#).



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# Undergraduate Academic Load

A typical load for a full-time undergraduate student is 15 hours per semester. A minimum full-time load is 12 hours per semester. No student may exceed a load of 20 credit hours without permission of the appropriate academic dean or department chair and an approved Request for Waiver of University Policy form. Petition forms are available at One-Stop Student Services. Submission of petition does not guarantee approval.

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 hours per semester for fall and spring. A student can be certified as being enrolled full-time during the summer if one is registered for a combination of 9 credit hours between summer A, B, and/or C sessions. Enrollment verifications can be requested once the add/drop period has ended.

Please note that a minimum of 12 hours is required to be classified as full-time for financial aid purposes in any semester.





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# Academic Standing - Probation and Suspension

## Good Academic Standing

Undergraduate students who possess both a current semester Grade Point Average (GPA) and total institutional GPA of 2.0 or above (All Teacher Education majors, Medical Laboratory Sciences majors, and Social Work degree students need a GPA of 2.5 or above in both GPAs indicated) are considered to be in Good Academic Standing.

## 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 probationations.

## Academic Suspension and Dismissal

If both the Current Term and Total Institutional GPA fall below 2.0 at the end of a semester in which a student is on Academic Probation, then the student will be eligible for 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 course for which he/she is currently registered and denied the opportunity to re-enroll. The duration of suspension varies by college. E-mail and hard copy notification is sent by the Registrar's Office to students who are placed on suspension. Written notification may additionally be sent to students from their respective college or the Academic Center for Excellence (ACE). Transcripts will reflect academic suspensions.

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 College in which the student was last enrolled at the time he or she was 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 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.

To view the University's current official policy, [click here](#).







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# 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 upon approval of the department chair of the student's major and the chair of the department offering the course. If applied toward a master's degree, the credits are subject to the same rules as transfer work.

Grades earned in graduate-level courses prior to achieving graduate standing are not computed in the graduate GPA.

Graduate-level courses cannot be applied toward both the baccalaureate and graduate degree.

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.



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# Undergraduate Grade Point Average (GPA)

## Current Term GPA

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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, NR, W, 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

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The sum of all UNF upper level quality points earned is divided by the number of all UNF upper level hours attempted (except those hours with grades of X, I, P, NR, W, 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

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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 those hours with grades of X, I, P, NR, W, 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

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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, NR, W, 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**

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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**

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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 those hours with grades of X, I, P, NR, W, 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.

To view the University's current official policy, [click here](#).



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# Commencement Ceremony

### **UNF's Public Acknowledgment of your Achievement**

The University would like to publicly acknowledge your educational achievement, and to that end we hope you will attend the University's commencement ceremony. Commencement is held at the end of the fall, spring, and summer C semesters. One-Stop Student Services will send candidates for graduation detailed instructions for participating in the ceremony, including instructions on how to obtain tickets. Information about commencement, including date and time of ceremonies, is also available on the [Commencement](#) webpage.

The number of available tickets depends upon the number of students graduating at each ceremony. At present, a student can expect up to eight tickets. This number is subject to change, especially as the size of the UNF student body continues to increase in coordination with limiting seating in the UNF Arena. Should any additional tickets become available, they will be dispensed at the discretion of the University.

To view the University's current official policy, [click here](#).

### Concurrent Graduate Degrees

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Graduate students wishing to pursue two graduate degrees simultaneously at UNF must apply to each individual program of interest using separate applications and complete normal UNF graduate degree requirements. Applicants must meet all admissions requirements for each individual program of interest by the program deadlines for admission consideration.

A second graduate degree may not be earned in the same CIP (Classification of Instructional Program) code as the first degree.

The following requirements will be applicable to graduate students in pursuit of concurrent graduate degrees:

- Completion of a minimum of 30 credit hours in the primary graduate degree.
- Completion of a minimum of 18 credit hours in the secondary graduate degree which are not part of the primary degree.
- At least 18 credit hours in both degrees must be taken at the 6000 level.
- No more than 15 UNF credit hours from one graduate degree program may be applied toward another graduate degree program.
  - These credits can include no more than nine (9) credits of post baccalaureate work at UNF.

Additional requirements may be implemented by graduate program departments in conjunction with the requirements set forth by this policy.

Students pursuing concurrent graduate degrees must complete 24 credits hours at UNF to meet residency requirements.

Transfer credits from institutions outside of UNF must adhere to the Transfer of Credit Policy and cannot compromise the requirements set forth in this policy regarding the credits used for concurrent degrees.

To view the University's official policy, [click here](#).



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# Dual Degrees and Double Majors

Students must meet with an academic advisor if they wish to pursue a dual degree or double major before they apply 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 due to administrator error in recording.

## Double Majors

Students pursuing a single baccalaureate degree and who apply for and satisfy the requirements of two majors within the same college or division will be awarded two diplomas and both majors will be 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. 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.

To view the University's current official policy, [click here](#).

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### Graduate Certificate Programs

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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. This is done 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 one-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.

Student pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing."

All 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, 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 apply to the Graduate School, and the specific certificate program, and pay a new application fee.

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 fifty 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 his or her degree program.

The graduate certificate is not viewed as a guaranteed means of entry 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.

1. All students applying for graduate level certificate programs will submit an application to The Graduate School.
2. The Graduate School will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the graduate certificate program is dependent on student eligibility and, if required, departmental approval.

#### Certificate and Transcripts

Once the 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 Registrar. All materials required to print and package the completion documents will also be housed within Enrollment Services.

To view the University's official policy, [click here](#).





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# Multiple Minors

Undergraduate students (excluding those in the College of Education & Human Services) may pursue multiple minors. Policies for multiple minors may vary by college (refer to college section). Students must meet with their advisor to officially declare their minors and ensure that 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.



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# Latin Honors Distinction

Provided at least forty-eight (48) semester hours (30 hours for RN-BSN students) of course work have been completed at UNF, undergraduate students who graduate with the following grade point averages will receive the corresponding Latin Honors distinctions:

Latin Honor Distinctions	
3.50 to 3.64	<b>cum laude</b>
3.65 to 3.79	<b>magna cum laude</b>
3.80 or higher	<b>summa cum laude</b>

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 (30 for BSN) UNF hours needed to qualify for Latin Honors.

**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 would be allowed to petition to be covered by the catalog under which he/she was last admitted. If you believe an exception should be made in your case, please contact your advisor

## **Recognition of Latin Honors Distinction for Graduates**

Baccalaureate candidates who will have accumulated forty-eight (48) hours (30 hours for RN-BSN students) at UNF 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 selected 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).

To view the University's current official policy, [click here](#).



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# Undergraduate Certificate Programs

Credit bearing, undergraduate 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, credit bearing certificate programs must establish student learning outcomes and assess the extent to which students achieve these outcomes. Additional information about the assessment of learning outcomes can be found in the Academic Learning Compact (ALC) policy.

With the approval of the sponsoring college, students can apply required coursework to both the certificate program and, if applicable, their chosen undergraduate degree program. Students do not, however, have the right to return for a retroactive certificate award. Students who have graduated from a degree program and wish to return to pursue a certificate will need to apply to the university, and the specific certificate program, and pay a new application fee. Credits awarded and used towards prior degrees cannot be applied to the undergraduate certificate.

Students are subject to the individual requirements of the undergraduate certificate program and will need to complete at least fifty percent of the required coursework in residence at the university (e.g., face-to-face, distance, or credit hours obtained while enrolled in an approved UNF study abroad program). Successful completion of the undergraduate certificate program will be noted on the student's official transcript separately from his or her degree program.

## Applying to a Certificate Program

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Students who wish to pursue an undergraduate certificate program are required to apply through Enrollment Services and be accepted to the desired program in accordance with program-specific admissions criteria.

Currently enrolled UNF students are not required to pay an application fee whereas, non-UNF students will be required to pay an application fee.

1. All students applying for undergraduate level certificate programs will submit an application to Enrollment Services.
2. Enrollment Services will refer the application to the appropriate department for an admission decision.
3. Each program will develop its own admission criteria for certificate programs.
4. Acceptance to the undergraduate certificate program is dependent on student eligibility and, if required, departmental approval.

## Completion of a Certificate Program

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Once the program coursework is satisfied the student may be eligible to receive a document acknowledging completion that is separate from a diploma conferral. Certificate conferral is not part

of the commencement ceremony. Printing and conferring all completion documents from university certificate programs will be the sole responsibility of the Registrar and the Office of Enrollment Services Processing. All materials required to print and package the completion documents will also be housed within the Enrollment Services Processing Office.

To view the University's current official policy, [click here](#).



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# Undergraduate Degree Completion Time Limits

Students must submit a formal graduation application by the deadline date listed in the Academic Calendar published online. Student may apply online through the myWings Student Records menu or submit a paper application to One-Stop Student Services.

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 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 One-Stop Student Services (undergraduate students) 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.

Every degree-seeking student at UNF must have a program of study. Graduation requirements published in the catalog at the time the student enters UNF are those which must be satisfied.

However, an undergraduate student may graduate under the provisions of the UNF catalog which were in effect when the student began continuous enrollment at the University up to a maximum time limit of six years. This time limit policy also applies to continuously enrolled students transferring from Florida public post-secondary institutions.





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# Graduate Degree Completion Time Limits

Students must submit a formal graduation application to One-Stop Student Services 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.

Every degree-seeking student at UNF must have a signed program of study. 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.

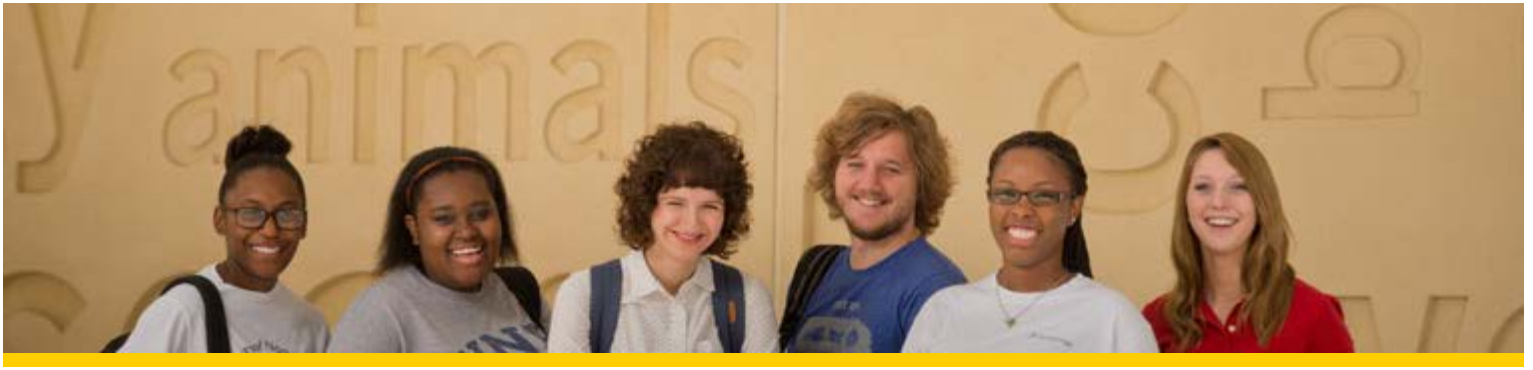
To view the University's official policy, [click here](#).

## Credit Validation for Course Work Completed more than Five Years Ago

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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.



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# 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. 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 his or her bachelor's degree.

To view the University's current official policy, [click here](#).





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# 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) 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 at UNF at least 25% of the overall required credit hours and half of the required major courses for the degree sought. 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'. All incomplete and non-reported grades must be resolved in order to graduate. 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.
7. 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 his designee may waive the application of this regulation in cases of unusual hardship to the individual.
8. Academic Average:
  - a) UNF — A minimum total Institutional GPA of 2.0 on a 4.0 scale must be earned (2.5 for most College of Education and Human Services majors), as stated in the 'Academic Average (GPA) Policy.'

AND

  - b) A minimum Overall GPA of 2.0 on a 4.0 scale must be earned, (2.5 for most College of Education and Human Services majors), as stated in the 'Academic Average (GPA) Policy.'
9. General Education Program: The appropriate general education program requirements must be completed.
10. Financial Obligations: Students must pay all financial obligations to the University.

11. 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.

To view the University's current official policy, [click here](#).



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# Second Baccalaureate Degree

Students desiring to obtain an additional baccalaureate degree must meet the requirements for the degree, earn a minimum of 30 upper-level credit hours, and have a program of study. Students earning a second baccalaureate degree may qualify for Latin Honors Distinction.

Students holding a baccalaureate degree from an accredited U.S. institution are considered to have completed general education program requirements. Students who hold degrees from foreign institutions will have their transcripts evaluated by Enrollment Services Processing for general education requirements. If the foreign transcript is not recorded in English, a translation that is a literal and complete rendition of the original document is required. All international academic records must be submitted to an approved credential evaluation agency and a course-by-course evaluation of those records must be submitted as part of the admissions application packet.

For additional information, contact One-Stop Student Services.



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# Requirements for the Master's Degree

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.

Requirements:	Yes	Not Yet
1. Have you submitted your application to graduate to One-Stop Student Services in person or online by the published deadline?		
2. In the course of your program, have you, or will you have, enrolled in and completed with sufficiently high grades at least 30 credit hours of course work?		
<ul style="list-style-type: none"> <li>Have you, or will you have, maintained an overall graduate GPA of 3.0 ("B") or higher?</li> </ul>		
<ul style="list-style-type: none"> <li>Have you, or will you have, enrolled in and passed with sufficiently high grades at least 18 hours at the 6000-level?</li> </ul>		
<ul style="list-style-type: none"> <li>Have you, or will you have, completed all 6000-level course work with a GPA 3.0 or higher?</li> </ul>		
3. Have you submitted your application to graduate to One-Stop Student Services by the published deadline?		
4. Have you completed all course work within the specified time limits?		
<ul style="list-style-type: none"> <li>Have you completed all work within six years of being fully admitted to the graduate program or eight years for a doctoral program?</li> </ul>		

<ul style="list-style-type: none"> <li>• If you have completed courses at UNF more than five years prior to the end of your program, have you petitioned the program director to validate and apply these courses to your program and to inform the Graduate School?</li> </ul>		
<ul style="list-style-type: none"> <li>• If you have completed course work at other universities, have you made sure that the Graduate School has received an official copy of your transcripts by the posted deadline (on or before the last day of UNF's final examinations for the term in question)?</li> </ul>		
<ul style="list-style-type: none"> <li>• If you intend to complete course work at another institution to satisfy UNF degree requirements, have you obtained written approval to do so prior to the term in which you intend to graduate?</li> </ul>		
<ul style="list-style-type: none"> <li>• If you have or will have completed course work at another institution to satisfy UNF degree requirements, have you made sure the Graduate School has received an official copy of your transcripts by the posted deadline?</li> </ul>		
<p>5. 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?</p>		
<p>6. If you have written a thesis, have you satisfied all department and college requirements?</p>		
<p>7. Have you delivered to the dean of the Graduate School:</p>		
<ul style="list-style-type: none"> <li>• Signed Certificate of Approval pages?</li> </ul>		
<ul style="list-style-type: none"> <li>• An electronic PDF version of the thesis?</li> </ul>		
<ul style="list-style-type: none"> <li>• A completed Non-Exclusive License Agreement form?</li> </ul>		
<p>8. Has the dean of the Graduate School accepted the thesis and signed the Certificate of Approval page?</p>		
<p>9. Have you satisfied all your financial obligations to the University?</p>		



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# Requirements for a Second Master's Degree

Requirements:	Yes	Not Yet
1. Have you, or will you have, completed at least 24 hours of new graduate course work, specific to the second masters?		
2. Have you satisfied all other general University requirements as well as program-specific requirements?		
3. Have you submitted your application to graduate to One-Stop Student Services by the published deadline?		

To view the University's official policy, [click here](#).

# Requirements for the Ed.D. in Educational Leadership

Requirements:	Yes	Not Yet
1. Have you submitted your application to graduate to One-Stop Student Services online or in person by the published deadline?		
2. Have you satisfied all college requirements?		
3. Have you delivered the following materials to the dean of the Graduate School by the posted deadline:		
<ul style="list-style-type: none"><li>• Signed Certificate of Approval pages?</li></ul>		
<ul style="list-style-type: none"><li>• An electronic PDF version of the dissertation?</li></ul>		
<ul style="list-style-type: none"><li>• A completed Availability Agreement form?</li></ul>		
4. Has the dean of the Graduate School accepted the dissertation and signed the Certificate of Approval page?		

# Second Master's Residency Requirement

For a second master's degree, at least 24 hours of UNF graduate coursework in residency is required. Coursework counted in the fulfillment of any other UNF degree requirements cannot be counted toward this second master's residency requirement.

To view the University's official policy, [click here](#).





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# Disciplinary 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.

Expulsions will be noted permanently on a student's transcript. Transcripts will record disciplinary suspension during the period in which the suspension is in effect.

Questions should be referred to the Student Conduct Office.



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# Transcript Ordering

UNF will process only written requests for transcripts or requests submitted online through the National Student Clearinghouse (NSC). E-mail, fax, or telephone calls are not accepted. Students may complete a form available at One-Stop Student Services, send a request by mail, or access the NSC through the [myWings](#) portal. For paper requests, students must include a check, money order, or receipt from Student Financial Services for the number of transcripts ordered. Requests submitted through the NSC are paid via credit card and have a service fee of \$2.25 per destination. Transcripts are \$8 per copy.

Official transcripts will be provided in a sealed envelope directly to the student, agencies, or institutions authorized by the student to obtain said transcript. The envelope is marked "Unofficial if opened prior to delivery."

Transcript requests will not be processed for students who have outstanding financial obligations to the University.

One-Stop Student Services cannot supply official copies of students' standardized test scores or transcripts from other schools they have attended. Students must request scores and transcripts directly from those agencies or institutions.

# Undergraduate Collaborative Programs Transcript Printing

UNF Undergraduate Collaborative Programs offer undergraduate students the opportunity to earn two bachelors degrees while taking classes at UNF and an approved partner institution. The innovative nature of the programs require a new transcript format that will accurately reflect the students' coursework and program's curriculum.

The University of North Florida will print the course names, grades and 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 all participating student records are accurate and current at the time of printing. Coursework will be updated once the official transcripts have arrived from the specified institution. Students in degree Collaborative Degree programs are still required to pay the transcript fee when ordering official transcripts.

Note: UNF currently offers one Collaborative Degree Program. The program, KEDGE, is also called BBA International Business: KEDGE/UNF.



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# Payment of Tuition and Fees

All fees must be paid or pended in the Student Financial Service's Office by the date and time listed in the University Calendar, which is available online. Failure to pay or pend (based on financial aid or third party sponsorship) may result in registration cancelation. A \$100 late payment fee will be assessed on all tuition and fees not pended 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 will be assessed a \$100 late payment fee. FINANCIAL AID IS NOT AUTOMATIC. You should check your myWings account on the status of your aid and to ensure that you have completed all documents, signed promissory notes for loans, etc. NOTE: You must be enrolled in at least six credit hours to qualify for student loans.

A fee transaction, regardless of amount, confirms a student's intention to attend all courses for which he/she is still registered at the close of the drop/add period and the student is fee liable for all courses he/she register for (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, wrong 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) will 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 (cash, 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 will 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 cash, money order or certified check. Personal checks will not be accepted for a period of one year.

To view the University's official policy, [click here](#).



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# Tuition and Fee Refund

a. 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 University's Academic Calendar. Students can drop courses in person, or online via the myWings Web portal. 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 will receive a 25 percent refund. This refund is dependent on the University's approval of a student's recorded withdrawal from the University. Such notice should be recorded on the student's account in MyWings by the date indicated in the University's 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 cross-term summer. There is no refund for a partial withdrawal after the add/drop period.

Refunds of 100 percent of tuition may be granted in instances of withdrawal from the university under the following conditions. Written explanation and supporting documentation is required to be 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, as confirmed in writing by a physician, that completion of the term is impossible.
4. A situation in which the University is in error.
5. Other documented exceptional circumstance beyond the control of the student which precluded completion of course(s) accompanied by supporting documentation.

b. 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.

c. 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.

To view the University's official policy on special fees, fines and penalties as they relate to tuition and fees, [click here](#).

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# 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.

To view the University's official policy, [click here](#).



# 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” as used in this regulation includes those increased costs that are directly related to the delivery of the goods or services. The University of North Florida Board of Trustees has delegated authority to the president to set the following fees, except those fees authorized in subsections (32) and (36), below, which require the approval of the board.

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 make application for admission to the University of North Florida shall pay a non-fundable Application Fee of \$30.00 for applications. This fee will be waived for applicants who can document that they have received a fee waiver because of economic need as determined by the College Board or the American College Testing Program.
4. **Continuing Education Course Fees** – Any fees charged students for continuing education credit activities, which are higher than the normal 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 against students who fail to initiate registration in the regular registration period. The fee shall be \$100.00. The University will waive the late registration fee when imposition of a fee would be unjust due to extenuating circumstances.
6. **Late Payment Fee** – The University will assess a late payment fee to students who fail to pay or make appropriate arrangements for payment (by means of installment payment, deferment or third-party billing), of tuition deadlines set by the University. The fee shall be \$100.00.
7. **Service Charge** – The University will assess a service charge totaling \$15,00 for the payment of tuition installments.
8. **Library Fines** - \$.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** - \$.25 per item, per day.
13. **Security/Access/Identification Card**; Duplicate: (a) Annual \$ 9.00; and (b) Duplicates \$15.00.
14. **Duplicating/Photocopying Fee** (personal use only) – cost.
15. **Standardized Tests** – The fee for all standardized test (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** - \$35.00
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 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 services provided which are 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 under Regulation 11.0010R.
31. **Credit Card Convenience Fee** – The University will charge a convenience fee of 2.75% 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, [http://www.unf.edu/housing/UNF\\_Housing\\_and\\_Residence\\_Life\\_Room\\_Rates.aspx](http://www.unf.edu/housing/UNF_Housing_and_Residence_Life_Room_Rates.aspx) 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 reasonable cost of collection efforts to effect payment for overdue accounts. Collection costs will be assessed to the student for collection of debts owed the University not secured by a promissory note or contract.
35. **Loan Service Charge** – The University will assess a \$20.00 service charge on University loans in lieu of interest and administrative handling.
36. **Education Research Center for Child Development Fee** – Pursuant to Section 1011.48, F.S., the University of North Florida Child Development Research Center will charge fees for the care and services it provides. Such fees may be imposed on a sliding scale on ability to pay or any other factors deemed relevant. A current fee schedule is available at the Center's website, [www.unf.edu/dept/cdrc/](http://www.unf.edu/dept/cdrc/).

To view the University's official policy on special fees, fines and penalties as they relate to tuition and fees, [click here](#).

# GENERAL EDUCATION PROGRAM

## General Education Quick Links

### Mission

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The mission of the General Education program is to provide students with opportunities to acquire and reinforce key intellectual competencies in:

- Reasoning and analyzing quantitatively;
- Using scientific method;
- Thinking critically; and
- Writing effectively.

Sometimes called “21st-Century skills,” these competencies are essential for success in the pursuit of more advanced learning, including the specialized study required in the major and the still more specialized study required at the graduate level.

In addition, the 21st-Century competencies are also essential for success in an increasingly networked 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.

### The New UNF Competency and Outcomes Curriculum

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Beginning Fall 2014, UNF will have a new General Education curriculum. This new curriculum focuses on fundamental intellectual competencies that provide a basis for life-long learning, including in one’s major and minor:

- **Writing Effectively:** This competency includes but is not limited to communicating effectively in writing across multiple formats; analyzing the different compositional features and requirements of different kinds (genres) of writing; explain grammatical, stylistic, rhetorical, and other terms and concepts that are basic to communicating effectively in writing; and explaining one’s own communicative decisions and practices.
- **Thinking Critically:** This competency includes but is not limited to understanding basic social and behavioral science concepts; examining behavioral, social, and cultural issues from various points of view; analyzing, evaluating, and appreciating cultural artifacts (such as texts, music, artworks, media productions, architecture); investigating the role of technology in shaping culture; examining different cultural traditions, institutions, and political and economic systems; understanding and applying different qualitative methods of inquiry and different kinds of argumentation and evidence; and reflecting critically upon the human condition and experience.
- **Analyzing and Reasoning Quantitatively and/or Using Scientific Method:** This competency includes but is not limited to determining appropriate mathematical and computational models and methods in problem solving; understanding mathematical, statistical, and computational concepts; applying mathematical and computational models and methods in problem solving; critically examining and evaluating scientific observation, hypothesis, and model construction; understanding fundamental concepts, principles, and processes about the natural world; and using scientific method to explain the natural world.
- **Applying Knowledge:** This competency includes but is not limited to translating theory into practice, critically examining one’s own point of view and points of view that are different from one’s own, and understanding how and appreciating why people have different perspectives. Developing this competency is a central aim of our cultural diversity courses as well as of our experience-based courses, such as internships, practicums, study abroad, transformational learning courses, and community-based learning courses.

### Assessment of Student Learning

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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

- [General Education Program](#)
- [Program Requirements \(Competencies and Outcomes Course Options\)](#)
- [Cultural Diversity Requirement](#)

scientific method, and apply their knowledge in real world situations. To this end our aim is to provide students with opportunities to learn how to think and talk to themselves about their work in the ways that professional educators do when they review the work of their students.

## **Requirements**

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[Current General Education Program Requirements: 2014-15](#)

[Previous General Education Program Requirements: 2013-14 and Earlier](#)

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### Major: Health Science

### Concentration: Exercise Science

### Degree: Bachelor of Science in Health

#### Prerequisites (27 credits)

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A B grade or higher in at least 3 of the following 4 prerequisites (MAC1105, CHM2045c, BSC2085c and BSC2086c) is required for admission. Remaining prerequisites must be completed with a cumulative GPA of 3.0 or higher. For additional admission requirements, visit [www.unf.edu/brooks](http://www.unf.edu/brooks).

**BSC2085C Human Anatomy and Physiology I (4 Credits)**

BSCX085/X085L, PETX322/X322L, and APKX100C are acceptable substitutes for BSC2085c. To take BSC2085c at UNF, the Biology department requires a grade of B or higher in BSC1010c.

**BSC2086C Human Anatomy & Physiology II (4 Credits)**

BSCX086/X086L, PETX323/X323L, and APKX105/X105L are acceptable substitutes for BSC2086c. To take BSC2086c at UNF, the Biology department requires a grade of B or better in BSC2085c.

**MAC1105 (GM) College Algebra (3 Credits)**

MACX105, MACX140, MACX147 and MACX311 are acceptable substitutes for MAC1105. P (passing) grade from Credit by exam (AP, CLEP) is acceptable for the minimum B grade requirement. Please see your advisor to reflect the approval on degree evaluation.

**CHEMISTRY General Chemistry I with Lab**

CHMX045/X045L and CHMX030 are acceptable substitutes for General Chemistry I with lab requirement.

**STA2023 (GM) Elem Statistics-Business (3 Credits)**

STAX023, STAX030 and MACX147 are acceptable substitutes for STA2023.

**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 (51 credits)

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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](http://www.unf.edu/brooks/movement_science/exercise_science.aspx)

**HSC4612 Exercise Physio For Health Sci (3 Credits)**

Recommended prerequisites: BSC2085c & BSC2086c

**HSC4615L Lab Meth Ex Phys Hlth Sci (3 Credits)**

Co-requisite: HSC4612

**PET3768C Exercise Instruction (3 Credits)**

**PET4625 Research Sports Med (3 Credits)**

**PET4627 Human Injury Prevention (3 Credits)**

**PET4550 Physical Fitness Assessment (3 Credits)**

Prerequisite: HSC4612

**PET3325 Functional Anatomy/Kinesiology (3 Credits)**

Prerequisites: BSC2085c & BSC2086c

**HSC3553 Pathophysiology (3 Credits)**

PET3771C Business/Pract in Ex Phys (3 Credits)  
PET3080 Physical Activity Epidemiology (3 Credits)  
HUN4414 Nutrition Phys Act and Health (3 Credits)  
APK4120C Clinical Exercise Physiology (3 Credits)  
Prerequisites: HSC4612, HSC4615L, & PET3080

PEP4135 Princ Strength/Conditioning (3 Credits)  
Prerequisites: HSC4612 & PET3312c

APK3115C Practical Skills in S and C (3 Credits)  
Prerequisites: HSC4612, PET3312c, PET3325, PET3768c  
Co-requisite: PEP4135

PET4943 Pre Internship Ex Sci (3 Credits)

- Must be completed in the semester immediately preceding PET4942 - Internship.

PET4942 Internship in Exercise Science (6 Credits)

- Must be completed in the last academic semester of enrollment.

### **Free Electives (9 credits)**

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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 (<http://www.unf.edu/brooks/athletic-physical/pt.html>).
- 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 9 hrs (1000-4000) Level

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### Minor: Construction Management

#### Minor: Construction Management

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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.\*

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### Major: Civil Engineering Degree: MS in Civil Engineering

#### Major Requirements

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MSCE Requirements: (30 credit hours)

The Civil Engineering master's degree consists of a minimum of 30 credit hours.

Students select from one of two degree options: (1) thesis or (2) non-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:

For more details on the below and additional conditions, 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. 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 12.0 hours from online graduate courses 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.

EGN6456 Advanced Engineering Analysis (3 Credits)

or approved substitute graduate mathematics course. See list of approved electives in the School of Engineering office.

EGN6457 Adv. Res. Methods for Engineer (3 Credits)

RESEARCH for Thesis option --

Thesis option: Select 6 credits of CGN 6970 CE Thesis.

(Non-thesis option will select 6 credits of additional electives, as indicated below.)

SELECT Required Electives --

1. Civil Engineering Electives: select a minimum of 12 credits from the list below or other CE electives approved by the Graduate Advisor.
  - CEG 5304 Applied Engineering Geology
  - CEG 6016 Advanced Geotechnical Engineering
  - CEG 6018 Applied Computational Geotechnics
  - CEG 6118 Advanced Foundation Engineering
  - CEG 6320 Drilled Shafts in Rock
  - CEG 6515 Earth Retaining Sys/Slope Stability
  - CEG 6806 Ground and Site Improvement
  - CES 5326 Bridge Engineering
  - CES 5706 Advanced Reinforced Concrete
  - CES 6144 Matrix Structural Analysis



- o CES 6715 Prestressed Concrete
- o CES 6116 Finite Element
- o CGN 6875C Adv Concrete Materials/Methods
- o CWR5125 Groundwater Flow and Containment Transport
- o CWR 5545 Water Resources Systems
- o CWR 5305 Stormwater Management
- o CWR 6005 Introduction to Coastal Engineering
- o CWR 6150 Engineering Hydrology
- o CWR 6236 River Engineering/Sediment Transport
- o ENV 5640 Design of Water Quality Mgmt Facilities
- o ENV 6510 Aquatic Chemical Processes
- o ENV 6511 Biological Treatment Systems
- o ENV 6519 Physical/Chemical Treatment Systems
- o TTE 5805 Advanced Highway Geometric Design
- o TTE 5255 Traffic Signal Systems
- o TTE 5205 Operational Analysis of Trans Facilities
- o TTE 6272 Intelligent Transportation Systems
- o TTE 6315 Highway Safety Analysis
- o CGN 5932 Special Topics in Civil Engineering (v1-3)
- o CGN 6933 Special Topics in Civil Engineering (v1-3)
- o CGN 6900 Supervised Graduate Research (v1-3) can be repeated up to 6 credits.

2. Other Electives: Select sufficient hours of non-civil engineering electives at the graduate level to earn a total of 30 credits in the program. CE electives may be used to satisfy this requirement.
- o Thesis option: Select up to 6 credits of non-civil engineering electives. Electives must be approved by the Graduate Advisor.
  - o 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.

Note: Civil engineering elective courses may also be selected from on-line courses from Florida State University System within the limitations discussed above, and must be approved by the Graduate Advisor for thesis students and by the Graduate Program Director or Graduate Advisor for non-thesis students.



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# The UNF General Education Program Requirements

Students must complete the state-mandated credit-hour requirement (36 credit hours), including 15 hours of “Common Core” courses and 21 hours of “Competencies and Outcomes Courses.”

In selecting their General Education courses, students must also meet the UNF requirement for coursework that focuses on the program’s key intellectual competencies and outcomes requirement:

- i. at least 9 hours of writing coursework;
- ii. at least 12 hours of critical thinking coursework;
- iii. at least 12 hours of coursework focusing on quantitative reasoning and analysis and scientific method; and
- iv. 3 hours of coursework focusing on either knowledge-in-action or one of the just-listed competencies.

## Competencies and Outcomes Course Options

### Writing Effectively (9 hours)

Required (6 hours). May be taken in either order.

- ENC 1101 – (GW) Introduction to Rhetoric and Writing (3 hours)
- ENC 1143 – (GW) Introduction to Rhetoric and Narrative (3 hours)

Choose one additional course from the following: (at least 3 hours).

- Any ENC or CRW 2000-level course
- ENC 3250 – (GW) Professional Communications (3 hours)

### Thinking Critically (12 hours)

Choose one course from Group A: (at least 3 hours)

#### Group A

- AMH 2020 – United States History since 1877 (3 hours)
- ECO 2013 – Principles of Macroeconomics (3 hours)
- ANT 2000 – Introduction to Anthropology (3 hours)
- POS 2041 – Introduction to American Government (3 hours)
- PSY 2012 – Introduction to Psychology (3 hours)
- SYG 2000 – Introduction to Sociology (3 hours)

#### General Education Quick Links

- [General Education Program](#)
- [Program Requirements \(Competencies and Outcomes Course Options\)](#)
- [Cultural Diversity Requirement](#)

**Choose one course from Group B: (at least 3 hours)**

**Group B**

- ARH 2000 – Art Appreciation (3 hours)
- FIL 2000 – Film Appreciation
- LIT 2000 – Introduction to Literature (3 hours)
- PHI 2010 – (GW) Introduction to Philosophy (3 hours)
- THE 2000 – Theater Appreciation (3 hours)

**Choose two additional courses from Group A, and/or Group B, and/or the following:  
(at least 6 hours)**

- CCJ 2002 – Crime in America (3 hours)
- HSC 2100 – Personal and Community Health (3 hours)
- ARH 2050 – Art History Survey I (3 hours)
- ARH 2051 – Art History Survey II (3 hours)
- MUH 2017 – The History and Appreciation of Rock (3 hours)
- MUT 1111 – Theory I (3 hours)
- PHI 2100 – (GW) Reasoning and Critical Thinking (3 hours)
- PHI 2630 – (GW) Contemporary Ethical Issues (3 hours)
- WOH 1012 – (GW) World History I (3 hours)
- WOH 1022 – (GW) World History II (3 hours)

**Reasoning and Analyzing Quantitatively and/or Understanding Scientific Method (12 hours)**

**Choose one course from Group A: (at least 3 hours)**

**Group A**

- MAC 1105 – (GM) College Algebra (3 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)

**Choose one course from Group B: (at least 3 hours)**

**Group B**

- AST 2002 – Basic Astronomy (3 hours)
- BSC 1005C – Principles of Biology (4 hours)
- BSC 1010C – General Biology I (4 hours)
- CHM 1020 – Chemistry for Liberal Studies (3 hours)
- CHM 2045 – General Chemistry I (3 hours)
- PHY 1020 – Introduction to Physics (2 hours)
- PHY 2048 – Calculus-Based Physics I (4 hours)
- PHY 2053 – Algebra-Based Physics I (3 hours)
- PHY 2054 – Algebra-Based Physics II (3 hours)

**Choose two additional courses from Group A and/or Group B and/or the following:  
(at least 6 hours)**

- MGF 1113 – (GM) Math for Teachers I (3 hours)
- MAC 1101 – (GM) Intensive College Algebra (4 hours)
- MAC 1147 – (GM) Pre-calculus (4 hours)
- MAC 2233 – (GM) Calculus for Business (3 hours)
- MAC 2311 – (GM) Calculus I (4 hours)
- MAC 2312 – (GM) Calculus II (4 hours)
- AST 2002L – Basic 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)
- PHY 1020L – Introduction to Physics Lab (1 hour)
- PHY 2053L – Algebra-Based Physics I Lab (1 hour)
- PHY 2054L – Algebra-Based Physics II Lab (1 hour)
- PHY 2048L – Calculus-Based Physics I Lab (1 hour)

## Applying Knowledge (3 hours)

Choose one course from Option A, Option B, or Option C

### Option A: Cultural Diversity courses

Find a complete list of courses that will satisfy Option A by clicking the following link: [Cultural Diversity Courses](#).

### Option B: Experiential Learning Courses

These courses include Internships, Study Abroad courses, TLOs, and courses designated as Integrative Learning.

### Option C: Additional coursework focusing on one of the below competencies. Writing Well

- Thinking Critically
- Reason and Analyzing quantitatively and/or Understanding Scientific Method

## Florida and Community College Associate in Arts (A.A.) Degree Graduates

An Associate in Arts (A.A.) degree from a Florida public university or community college satisfies the general education requirements at UNF.

## Transfer Students without a Florida University or State College Associate in Arts (A.A.) Degree

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.



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# Cultural Diversity Requirement

The following courses will meet the cultural diversity requirement in the UNF General Education Program.

*AFH 3450	South Africa
*AMH 3312	Gender in the United States
*AMH 3444	Peoples of the American West
*AMH 3530	Peopling in America
*AMH 3571	Introduction to African-American History
*AMH 3580	American Indian History
ANT 2000	Introduction to Anthropology
ANT 2423	Kinship and Family in a Cross-Cultural Perspective
ANT 2930	Special Topics- Anthropology
*ANT 3212	Peoples & Cultures of the World
*ANT 3312	North American Indians
*ASH 3223	Middle East
*ASH 3440	Japanese Civilization
*ASH 3448	Hiroshima
*ASN 2003	Introduction to Asia
*ECO 3701	Contemporary International Economics
ECP 2140	Race and Gender in the American Economy
ENG 3613	Topics in Disability Studies
*EUH 3580	Russian Thought & Culture
*FIL 4848	World Cinema Across Cultures
GEB 2956	Study Abroad in Business
GEO 2420	Cultural Geography
IDH 2124	Theory & Politics - Multicultural
INR 2271	Mideast North Africa
*LAH 3300	Latin America
*LAH 3424	Aztec/Inca/Maya
MMC 2701	Communicating Across Cultures
PUP 2312	Race, Gender & Politics
REL 2300	Comparative Religion
*REL 3012	Myths & Rituals
*REL 3102	Religion as Culture
*SOP 3742	Psychology of Women
*SYD 3700	Racial and Cultural Minorities
*SYD 3800	Gender and Society

## General Education Quick Links

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- [Cultural Diversity Requirement](#)





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