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## Catalog 2009 -2010

This catalog contains a description of the various policies, academic programs, degree requirements, course offerings, and related matters intended to be in effect at the University of North Florida during the 2009 - 2010 academic year.

Catalogs from [previous years](#) are also available.

However, any matter described in this catalog is subject to change. As a result, this catalog should not be construed as an agreement between the University and the reader or as an irrevocable commitment from the University to the reader.

The University of North Florida provides its students with a broad array of quality undergraduate and graduate programs in the liberal arts and professional fields. Through these offerings, the University has earned a reputation for academic excellence. In addition, UNF plays a vital role in the cultural, economic and civic life of Northeast Florida.

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## About UNF

The University of North Florida (UNF) is one of eleven 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 most selective comprehensive universities in America. In fall 2008, approximately 1 out of every 6 freshman applicants enrolled in the fall class. With a mean SAT score of 1191 and grade point average of 3.73, UNF's 2008 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 SAT (or the ACT equivalent) and a GPA of 3.0.

The university is committed to diversity with the belief that exposure to an extraordinary blend of students offers a rich and rewarding educational experience. Of the more than 15,430 students enrolled at UNF for the 2008 fall term, about 58 percent were women, more than 23 percent were minorities, and nearly 90 percent were undergraduates.

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### 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

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to the depth of their educational experiences.

## Colleges

The University of North Florida's academic programs are offered through five academic colleges: The Brooks College of Health, the Coggin College of Business, the College of Arts and Sciences, the College of Computing, Engineering and Construction, and the College of Education and Human Services. The colleges' graduate programs are coordinated through the University of North Florida Graduate School.

The Brooks College of Health includes the School of Nursing, the Department of Athletic Training and Physical Therapy, the Department of Public Health and the Department of Nutrition and Dietetics.

The Coggin College of Business includes the Departments of Accounting and Finance, Economics and Geography, Management, and Marketing and Logistics.

Within the College of Arts and Sciences are the Departments of Art and Design, Biology, Chemistry, Communication, Criminology and Criminal Justice, English, History, Mathematics and Statistics, Music, Philosophy, Physics, Political Science and Public Administration, Psychology, Sociology and Anthropology, and World Languages.

The College of Computing, Engineering and Construction includes the School of Computing, the School of Engineering, the Department of Construction Management, and the Florida Engineering Education Delivery System (FEEDS) consortium.

The College of Education and Human Services includes the Departments of Childhood Education; Foundations and Secondary Education; Leadership, Counseling and Instructional Technology; and Exceptional Student and Deaf Education.

In addition to the academic programs offered through the colleges, some credit and non-credit learning opportunities are provided through the Division of Continuing Education. UNF's academic programs are supported by the Thomas G. Carpenter Library.

## An Invitation

The University of North Florida invites you to visit its campus. You are encouraged to evaluate its academic programs; to meet its faculty, students, and staff; and to participate in the vision and development of an outstanding university dedicated to the highest standards and goals. Individuals who need an accommodation because of a disability should notify the Disability Resources Center at (904) 620-2769 at least 48 hours in advance.

## Americans with Disabilities Act (ADA)

Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation (ADA/Section 504) If you are inquiring about obtaining an ADA/Section 504 reasonable accommodation for a student seeking admission or a student enrolled at UNF, please contact the Disability Resource Center at (904) 620-2769; employees, faculty members and general questions should be addressed to the UNF ADA Compliance Office, Portable 832B/1002, 1 UNF Drive, Jacksonville, FL 32224 or by phone at (904) 620-2870. For those individuals with hearing or speech impairments who may need access to the Florida Relay Service (TDD), the telephone number is 1-800-955-8771 or 7-1-1.

## Equal Opportunity/Equal Access/Affirmative Action

For more information, link to the Office of Equal Opportunity Programs at <http://www.unf.edu/eop/>.

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To view tuition and fee rates please see the [Tuition & Student Fee Schedule](#).

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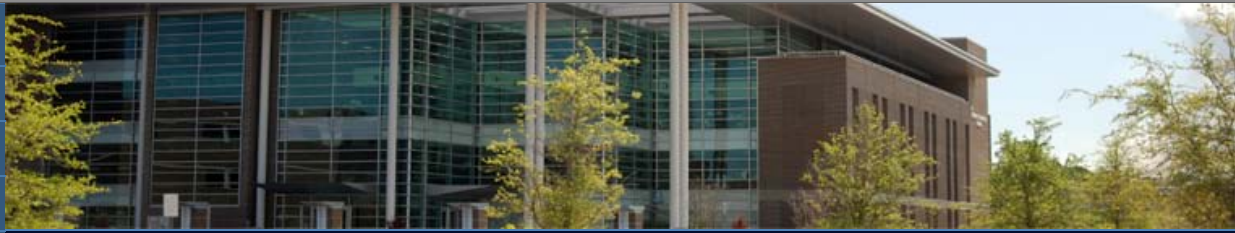
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## Student Employment at UNF

For the purpose of employment at the University of North Florida and in order to consider a student exempt from the payment of the Federal Insurance Contributions Act (FICA), student workers must be enrolled at least half-time and regularly attending classes at UNF.

For the purpose of employment at the University of North Florida, a half-time undergraduate student is defined as a degree-seeking student enrolled at UNF in a minimum of six credit hours in fall and spring semesters (four credit hours for summer). Graduate students must be enrolled at UNF in four credit hours in fall and spring (three credit hours during the summer).

Student workers participating in the Federal College Work Study Program (FWSP) at the undergraduate and graduate level are required to be enrolled in a minimum of six credit hours at UNF in each semester (fall, spring and summer) and are limited to 20 work hours per week while classes are in session.

Student workers, except FWSP and international students, are allowed to work up to 40 hours per week and retain FICA exemption. International students must be enrolled full-time and are limited to 20 work hours per week during fall and spring semesters. These student workers should check with The International Center for further information, (904) 620-2657.

Any student not meeting the above criteria or not showing sufficient legal documentation approving exemption from FICA shall be required to have FICA deducted from all wages earned during the period of ineligibility. If a student's status changes from non-exempt to exempt from FICA, none of the FICA previously withheld shall be refunded.

Students interested in employment opportunities other than Federal Work Study are urged to refer to the job listing maintained by the Office of Human Resources and the Career Services Office, or to seek employment independently.

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The University of North Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, master's, and doctorate 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:

- AACSB International — The Association to Advance Collegiate Schools of Business (Undergraduate and Graduate — Business, Accounting)
- American Association of Nurse Anesthetists, Council on Accreditation of Nurse Anesthesia Education Programs (Graduate: Nursing - Nurse Anesthetist Concentration)
- American Chemical Society (Undergraduate)
- American Council for Construction Education (Undergraduate — Construction Management)
- Association for University Programs in Health Administration (Undergraduate)
- Commission on Accreditation of Athletic Training Education (CAATE)
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- Council on Rehabilitation Education (CORE)/Commission on Standards and Accreditation
- Engineering Accreditation Commission of ABET Inc. (Undergraduate — Civil Engineering, Electrical Engineering, and Mechanical Engineering)
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## Estimated Expenses Per Academic Year

UNF provides an online [cost estimate calculator](#) to provide students with an estimate of out-of-pocket expenses associated with enrolling at the University. The calculator allows students to change multiple variables to reach a total estimated cost. 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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## Fee Payment

All fees must be paid or pended in the Cashier's Office by the date and time listed in the University Calendar 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 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 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 Bright Futures and 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 grades will be assigned unless the student officially withdraws. Students are fee liable for all courses they register for (unless they drop the course by the published deadlines 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) does not cancel the student's fee liability. A service charge and a \$100 late payment fee will be assessed and the 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.

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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 matriculation, financial aid, building & capital improvement fees at the undergraduate rate (see the [current tuition and fee schedule](#)). The students with tuition only accounts will have to pay the local fees (see the [current tuition and fee schedule](#)) by the tuition due date to avoid 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 the transportation access fee (see the [current tuition and fee schedule](#)) and other nominal charges (such as lab or ID card fee) to pay.

The Cashier's Office automatically defers the 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. Students who do not want the University to bill Prepaid for a particular semester, must submit an opt-out form to the Cashier's Office by the end of the first week of the semester. The opt-out form is valid for one semester only, and must be completed every semester you wish to opt out. The form is available in the cashier's office and [online](#).

Students who have Florida Prepaid for residence hall charges must submit a copy of their Prepaid card to housing by the due date. Student's accounts are not credited until the payment is received by Florida Prepaid.



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## Fee Petitions & Financial Holds

### Fee Petitions

To request a full refund after the drop/add 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 the student or 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

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 available in the lobby of the Cashier's Office (Building 53, Room 1100, First Floor) and attach documentation supporting one of the conditions indicated above;
3. Submit the fee petition with appropriate documentation to the Controller's Office (Building 53, Suite 2800, Second Floor) for processing.

The petitioner will be notified of outcome 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.

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 registration process 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 Cashier's Office. Continued failure to pay may result in the account being sent to a collection agency with additional collection costs up to 33.3 percent being assessed to the account.

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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 as auditing (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. No waivers will be processed after this date. The University will automatically pend Senior Citizen Waivers if properly registered in One Stop Student Services. Waivers do not waive late registration, reinstatement 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.



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Fees subject to change without prior notice.

Contact the Cashier's Office at  
(904) 620-2472 or refer to their website for current tuition information at  
[www.unf.edu/dept/controller/cashier/tuition.htm](http://www.unf.edu/dept/controller/cashier/tuition.htm).



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## Fee Refunds

Full refunds will be issued for each course dropped before the close of the drop/add period indicated in the University Calendar online. Students can drop courses in person, or online via the myWings Web portal. A full 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 drop/add period, students who completely withdraw from the University will receive a 25 percent refund (less building/capital improvement fees). This refund is dependent on the University's approval of a student's written notice of withdrawal from the University. Such written notice should be made in person at One Stop Student Services by the date indicated in the University Calendar as the last day to receive a 25 percent refund; however, written notice of withdrawal may be given by mail postmarked by the 25 percent refund deadline. This 25 percent refund applies only to fall, spring, and cross-term summer.

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## Parking & Permit Fees

[www.unf.edu/parking](http://www.unf.edu/parking)

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 \$2.80 plus sales tax = \$3.00 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 depending on whether or not the student is commuting or living in University housing. Please check the web site at the link noted above for more information.

Fees for permits available to students August 2009 – August 2010:

|                   |                      |                  |
|-------------------|----------------------|------------------|
| Premium Annual    | \$149.53 + sales tax | = \$160.00 total |
| Premium Term      | \$88.78 + sales tax  | = \$95.00 total  |
| Housing Annual    | \$191.58 + sales tax | = \$205.00 total |
| Housing Term      | \$116.82 + sales tax | = \$125.00 total |
| Discount Annual   | \$88.78 + sales tax  | = \$95.00 total  |
| Discount Term     | \$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. Permits mailed will be hanging permits (except motorcycle which are affixed decals). For those individuals wanting affixed decals for their vehicle, the hanging permit can be traded at Parking Services for no charge. Please check the web site at the link noted above or call (904) 620-2815 for general parking information.

## Shuttle Bus Service

[www.unf.edu/shuttle](http://www.unf.edu/shuttle)

An on-campus shuttle bus service is available providing easy access around UNF. Operating hours are usually Monday through Friday 7 a.m. to 3 a.m. and Sunday evenings from 6 p.m. to 12 a.m. There is no service on Saturdays. A transportation access fee of \$3.85 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) 620-1186.



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## Reinstatement of Registration

Students whose registrations are cancelled 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 (which is the end of the third week of classes as noted in the University Calendar that appears online). Students must reinstate in all courses for which they were originally registered. If reinstatement is approved, the student must immediately pay all delinquent financial liabilities and will be charged a \$100 reinstatement fee and a \$100 late payment fee.



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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 Resolution.

The law allows U.S. citizens and lawful permanent residents to be classified as a Florida resident 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.

Students must submit proper documentation before being classified as a Florida resident for tuition purposes. For the most current, comprehensive guideline to residency documentation requirements and regulations, please visit the [FACTS.org Residency Guidelines](#). 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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## 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 University Calendar. Requests will be reviewed and approved if documentation meets SUS Florida residency reclassification requirements. If the reclassification request is denied, the student may file an appeal, in writing, through the Enrollment Services Appeal Committee. Students must provide copies of all documentation with their appeal. Students will be notified in writing of the final reclassification decision.

For the most current, comprehensive guideline to residency documentation requirements and regulations, please visit the [FACTS.org Residency Guidelines](#). 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. All aid is based on individual need, educational costs, and availability of funds. Awards may consist of scholarships, loans, grants, and/or employment. Funds are limited; therefore, students are encouraged to complete their file by the April 1 priority date for early consideration. Applications after April 1 are considered on a funds-available basis only. Inquiries concerning financial aid should be directed to One Stop Student Services. To apply for aid the following steps must be met:

1. Complete and process the Free Application for Federal Student Aid (FAFSA). You may complete your FAFSA at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).
2. If selected for verification, students will be required to provide copies of relevant federal income tax returns (1040, 1040A, 1040EZ, and W2 Forms). Dependent students must also provide parents' tax information. Independent married students must provide spouse tax information. Other information may also be requested to meet federal verification regulation requirements.
3. 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.
4. For financial aid purposes, full-time enrollment is defined as a minimum of 12 semester credit hours per semester for undergraduate and post baccalaureate students and a minimum of nine semester credit hours per semester for graduate students. Students who enroll less than full time may have their awards reduced or, in some cases, cancelled.

### Satisfactory Academic Progress Policy

The Higher Education Act of 1965, as amended, requires institutions of higher education to establish and apply standards of academic progress that all students must meet to qualify and remain eligible for assistance from the Title IV student financial aid programs. Therefore, to maintain satisfactory academic progress to be eligible to receive financial aid, students must maintain specified grade point averages and proceed through the program at a pace leading to completion within a specified time frame. Satisfactory academic progress will be measured at the end of each semester. For additional information, please visit the Satisfactory Academic Progress section of this catalog.

### Return of Title IV Aid

For all financial aid students who withdraw or stop attending classes before completing more than 60 percent of the term, a portion of the total federal aid received, excluding Federal Work Study earnings, may need to be repaid. The amount of federal aid that you must repay is determined by the Federal Formula for Return of Title IV funds (Section 484B of the Higher Education Act). If you never attended classes, then all the funds disbursed would have to be repaid. The steps taken to determine the repayment are as follows:

- Step 1: Determine the percentage of the enrollment period the student attended before withdrawing. (days attended divided by total days in the period minus break

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- days.)
- Step 2: Determine the amount of Title IV aid earned by multiplying the total Title IV aid (other than Federal Work-Study) for which the student qualified by the percentage of time enrolled.
  - Step 3: Compare the amount earned to the amount disbursed. If more aid was disbursed than was earned, determine the amount of Title IV aid that must be returned by subtracting the earned amount from the disbursed amount.
  - Step 4: Allocate the responsibility for returning unearned aid between the school and the student according to the portion of disbursed aid that could have been used to cover institutional charges and the portion that could have been disbursed directly to the student once the institutional charges were covered.
  - Step 5: Distribute the unearned funds back to the appropriate Title IV program.

### **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 account for financial aid requirements and/or messages. Some types of aid are excluded from tuition deferment including 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 end of the first week of classes.

A student whose aid has not disbursed by the fourth week of classes must make payment online via myWings or in person at the Cashier's Office by the end of the fifth week of classes to avoid late fees and registration holds.

### **Financial Aid and Scholarship Disbursement**

The first disbursement of financial aid checks occurs after the third week of classes. As students' files are cleared, financial aid checks are issued to eligible students on a weekly basis throughout the term. If you are a first time borrower at UNF under the Federal Stafford Loan Program, you must complete a loan entrance interview before your funds will be released. Any monies owed to the university will be deducted from the first available financial aid or scholarship source. If funds remain after institutional charges have been deducted, a check for the remainder will be mailed to the student or deposited via direct deposit on established disbursement dates.

NOTE: All financial aid recipients should be prepared to purchase textbooks and to meet their living expenses during the first four weeks of class.

For more information, please visit: [www.unf.edu/contactonestop/](http://www.unf.edu/contactonestop/)



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## Types of Undergraduate Financial Aid

**Federal Pell Grant:** The Federal Pell Grant is a federal aid program designed to provide financial aid to undergraduate students. Pell Grants are intended to be the "floor" of a financial aid package and may be combined with other forms of aid in order to meet the cost of education. The amount of the grant is determined on the basis of the student's and the family's resources.

**Federal Supplemental Educational Opportunity Grant Program (SEOG):** Federal SEOG grants are federal grants designed to assist undergraduate students demonstrating an exceptional financial need who qualify for a Federal Pell Grant. Award amounts are based on the amount of need and the 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 for a Federal Pell Grant. Students must also demonstrate exceptional financial need and be enrolled full-time (12 hours or more) at UNF. Limited funding is available to eligible applicants enrolled in 6 to 11 hours. Students may apply by completing the Free Application for Federal Student Aid (FAFSA) by our priority deadline of April 1.

**Academic Competitiveness Grant Program (ACG):** An eligible student may receive an Academic Competitiveness Grant (ACG) of \$750 for the first academic year of study and \$1,300 for the second academic year of study. For a list of recognized rigorous programs of secondary school study in your state visit <http://www2.ed.gov/admins/finaid/about/ac-smart/state-programs.html>. To be eligible for each academic year, a student must:

- Be Pell Grant eligible during the same award year
- Be enrolled at least half-time
- Be a first-year or second-year undergraduate student or a student in a certificate program of at least one year in a degree program at a two-year or four-year degree granting institution
- Have completed a rigorous secondary school program of study
- If a first-year student - have completed secondary school after Jan. 1, 2006; not have been enrolled in ACG-eligible program while at or below age of compulsory school attendance
- If a second-year student - have completed secondary school after Jan. 1, 2005, and have at least a 3.0 grade point average as of the end of the first year of undergraduate study

**National SMART Grant Program:** An eligible student may receive a National SMART grant of \$4,000 for each of the third and fourth academic years of study. For a list of National SMART Grant eligible majors, visit [fap.ed.gov/dpletters/GEN0809.html](http://fap.ed.gov/dpletters/GEN0809.html). To be eligible for each academic year, a student must:

- Be Pell Grant eligible during the same award year
- Be enrolled at least half-time
- Be in the third or fourth year of an undergraduate degree program (or fifth year of a five-year program)
- Be pursuing a major with at least 3.0 cumulative GPA in physical, life, or computing sciences, mathematics, technology, engineering or a critical foreign language; or non-major single liberal arts programs
- Have at least a 3.0 GPA as of the end of the second award year and continue to maintain a 3.0 GPA that must be checked prior to the beginning of each payment period (e.g., semester)

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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. IMPORTANT REMINDER: If you receive a TEACH Grant but do not complete the required teaching service, as explained above, you will be 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 you must meet the following criteria:

- Complete the Free Application for Federal Student Aid (FAFSA), although you 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 postsecondary educational institution that has chosen to participate in the TEACH Grant Program.
- Be enrolled in course work that is necessary to begin a career in teaching or plan to complete such course work. Such course work 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 (see below for more information on the TEACH Grant Agreement to Serve).

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 \$1500 per academic term.

Federal Stafford Loan Program: A federal loan program supported with dollars from banks and other lending institutions is available to eligible students. There are two types of Federal Stafford Loans. The need-based "subsidized" Federal Stafford Loan and the non need-based "unsubsidized" Federal Stafford Loan.

Federal Subsidized Stafford Loan Program: First-year undergraduate students may borrow up to \$3,500 per academic year. Second-year undergraduate students may borrow up to 4,500 per year. Third and Fourth-year undergraduate students may borrow up to \$5,500 per year. There is an aggregate maximum of \$23,000 for undergraduate studies. Interest rates vary based on federal regulations.

Federal Unsubsidized Stafford Loan: Students who feel that it is necessary to borrow additional funds through the "unsubsidized" Federal Stafford Loan should contact the One Stop Student Services Center for additional information.

Federal Work-Study: The Federal Work-Study Program is a federal program supported with matching funds from UNF. This employment program is designed to assist students by providing employment opportunities and work experience while attending school. Students are paid an hourly rate on a biweekly basis. Students must demonstrate financial need through completion of a FAFSA and be enrolled in at least six credit hours.

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: An appeal is a request for re-evaluation of your offer of financial assistance based upon changes in the circumstances reported on your application for financial aid. If you think some aspect of your financial situation was over-looked during the award process that would affect an evaluation of your need, you are entitled to an appeal. To have your award reevaluated, you should contact the One Stop Student Services. Appeals of financial aid offers will be considered 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 in 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 major.

**Foundation Scholarships:** Foundation scholarships are contributions made to the University from private donors. These awards have specific eligibility requirements and stipulations regarding the awarding and monitoring of the scholarships that 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](#).



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## Types of Graduate Financial Aid

**Federal Subsidized Stafford Loan Program:** Graduate students may borrow up to \$8,500 per academic year from the "subsidized" Federal Stafford Loan. The maximum aggregate limit is \$65,500, which includes any loans outstanding from undergraduate study from the "subsidized" Federal Stafford Loan Program.

**Federal Unsubsidized Stafford Loan:** Students who feel that it is necessary to borrow additional funds through the "unsubsidized" Federal Stafford Loan should contact the One Stop Student Services Center for additional information.

**Federal Work-Study:** The Federal Work-Study Program is a federal program supported with matching funds from UNF. This employment program is designed to assist students by providing employment opportunities and work experience while attending school. Students are paid an hourly rate on a biweekly basis. Students must demonstrate financial need through completion of a FAFSA.

**Graduate PLUS Loans:** The Graduate PLUS Loan Program enables students to borrow directly from lending institutions to assist in defraying the cost of attending eligible post-secondary institutions. An eligible graduate student may borrow up to the cost of education minus other aid. This amount is in addition to amounts borrowed under the Federal Stafford Loan Program.

**Graduate Assistantships:** A limited number of graduate assistantships and fellowships are available to qualified students. Continuation of the awards 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 credit hours for fall and spring or six credit hours for summer to be employed and classified as a graduate assistant.

### 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 fees 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 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

An appeal is a request for re-evaluation of your offer of financial assistance based upon changes in the circumstances reported on your application for financial aid. If you think some aspect of your financial situation was over-looked during the award process that would affect an evaluation of your need, you are entitled to an appeal. To have your award reevaluated, you should contact the One Stop Student Services Center. Appeals of financial aid offers will

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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 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 in completing the FAFSA.

For the purpose of definitions, 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 major.
- **Foundation Scholarships:** Foundation scholarships are contributions made to the University from private donors. These awards have specific eligibility requirements and stipulations regarding the awarding and monitoring of the scholarships that 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 \(PDF document\)](#)
- [Scholarship and Other Student Aid Resources](#)
- [Study Abroad Scholarships](#)
- [Undergraduate Academic Enrichment Program](#)
- [Scholarship Appeal Form \(PDF document\)](#)

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## Graduate Scholarship Programs

Graduate students interested in scholarship information may obtain additional information from The Graduate School. Please visit the [website](#) for additional information.

### UNF Graduate Scholarships

Each year the University of North Florida sets aside money to support a limited number of graduate scholarships. 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 college as early as possible to determine their eligibility.

In addition to the College-specific scholarship opportunities, The Graduate School administers two scholarship programs for graduate students.

### Delores A. Auzenne Fellowship for Graduate Study

The Delores A. Auzenne Fellowship for Graduate Study is designed to assist the University in increasing enrollment of minority graduate students who are enrolled in disciplines in which there is under-representation of the minority group at the graduate level. Additional information may be found [online](#).

### Graduate Scholars Program

This programs offers aid to students who are pursuing projects of their own initiation that contribute to their activity as scholars, for example, the presentation of a paper at a scholarly conference. These are one-time modest awards to cover costs associated with these sorts of scholarly activities. Additional information may be found [online](#).



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## Satisfactory Academic Progress Policy

The Higher Education Act of 1965, as amended, requires institutions of higher education to establish and apply standards of academic progress that all students must meet to qualify and remain eligible for assistance from the Title IV student financial aid programs. Therefore, to maintain satisfactory academic progress to be eligible to receive financial aid, students must maintain specified grade point averages and proceed through the program at a pace leading to completion within a specified time frame. Satisfactory academic progress will be measured at the end of each semester.

### Required Grade Point Averages

- Undergraduate and post-baccalaureate students must achieve a minimum term grade point average of 2.0 to be considered making satisfactory progress.
- Graduate Students must achieve a minimum term grade point average of 3.0 to be considered making satisfactory progress.

### Required Completion Rate

Students are required to complete 67 percent of all credit hours attempted.

### Requirement of Maximum Time Frame

The Higher Education Act requires that institutions establish a maximum time frame in which students receiving Title IV funds are expected to complete their program of study. To remain eligible for financial assistance, the students must complete their degree as follows:

- Undergraduate students' eligibility for financial aid ends when they have attempted 180 credit hours.
- Post-baccalaureate students eligibility for financial aid ends when they have attempted 90 credit hours.
- Graduate students' eligibility for financial aid ends when they have attempted 53 graduate credit hours.

### Probation and Reinstatement Procedures

When a student fails to meet any of the standards outlined above for a specified period, the student will be placed on warning after the first occurrence, probation after the second occurrence, and suspension after the third occurrence. During the warning and probation terms, the student is allowed to continue to receive financial aid. If the student fails to meet the requirements at the end of the probation period, the student will no longer be making satisfactory progress and will be ineligible for federal financial aid.

### Reinstatement of Aid

Students whose aid has been suspended may re-establish eligibility by successfully completing the required number of hours each semester and by attaining the necessary overall cumulative grade point average by the end of the following semester. The student must then follow the appeal process listed below.

### Policy for Student Appeals

If a student is ineligible for federal financial aid based on the satisfactory academic progress requirements, the student may appeal this decision by completing the Satisfactory Progress Appeal form and returning the form to One Stop Student Services. Enrollment Services

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Processing will review the appeal and determine whether suspending financial aid is justified. The student will be advised in writing of the decision. If appeals are denied at this level, the student may appeal to the Enrollment Services Appeal Committee.

The following steps are required when submitting an appeal:

1. Submit the Satisfactory Progress Appeal Form.
2. Clearly state the circumstances that affected your academic performance.
3. Provide written documentation of your special circumstances.
4. Attached supporting documentation that validates your statements.
5. Identify the steps you have taken to ensure that you will not fall below satisfactory academic progress standards in the future.
6. For students who have exceeded the maximum time frame requirement, submit the Special Graduation Contract that the student and the academic advisor must sign.
7. Sign and date your petition.

Some examples of acceptable reasons that must be validated are listed below:

1. A student's serious illness or accident that must be documented from a medical or mental health professional.
2. Death in the student's family that must be documented by providing a copy of the death certificate.
3. Other unforeseeable circumstances beyond the control of the student that caused the student to fall below the satisfactory progress standards.

#### Appeal Deadline

Appeals must be submitted to One Stop Student Services within three weeks of the date of notification of unsatisfactory progress. It is the responsibility of the student to decide when an appeal is appropriate and to initiate an appeal before the specified deadline.

#### Withdrawals and Incompletes

Students who withdraw from courses after the add/drop period are not considered to be making satisfactory academic progress and may be required to repay a proportionate amount to financial aid programs.

Withdrawals and incompletes are not considered completed courses. It is the responsibility of the student to provide information on changes made after the normal grading periods.

#### Return of Title IV Aid

For all financial aid students who withdraw or stop attending classes before completing more than 60 percent of the term, a portion of the total federal aid received, excluding Federal Work Study earnings, may need to be repaid. The amount of federal aid that you must repay is determined by the Federal Formula for Return of Title IV funds (Section 484B of the Higher Education Act). If you never attended classes, then all the funds disbursed would have to be repaid. The steps taken to determine the repayment are as follows:

- Step 1. Determine the percentage of the enrollment period the student attended before withdrawing. (days attended divided by total days in the period minus break days.)
- Step 2. Determine the amount of Title IV aid earned by multiplying the total Title IV aid (other than Federal Work-Study) for which the student qualified by the percentage of time enrolled.
- Step 3. Compare the amount earned to the amount disbursed. If more aid was disbursed than was earned, determine the amount of Title IV aid that must be returned by subtracting the earned amount from the disbursed amount.
- Step 4. Allocate the responsibility for returning unearned aid between the school and the student according to the portion of disbursed aid that could have been used to cover institutional charges and the portion that could have been disbursed directly to the student once the institutional charges were covered.
- Step 5: Distribute the unearned funds back to the appropriate Title IV program.

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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. Veterans report their anticipated annual enrollment by term (fall, spring & summer) to One Stop Student Services for certification of enrollment. Any changes to course enrollment must be reported immediately.

### 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 term
- Transfer from out-of-state 10 weeks before term
- Transfer from school in Florida 6 weeks before term
- Return to UNF after two semester absence 6 weeks before term

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.



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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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Scholarship Programs (Undergraduate) > Scholarship Programs (Graduate) > Satisfactory Academic Progress Policy > VA Programs, Eligibility & Benefits > VA Certification of Enrollment

## VA Certification of Enrollment

Veterans Affairs certifies school attendance to the appropriate Veterans Administration office.

|  | Undergraduate    | Graduate*       |
|--|------------------|-----------------|
| Full Time  | 12 or more hours | 9 or more hours |
| Three-Quarter Time                                 | 9-11             | 7-8             |
| Half Time  | 6-8              | 4-6             |
| Less than Half Time,<br>More than One-Quarter Time | 4-5              |                 |
| One-Quarter Time                                   | 1-3              | 1-3             |

\* Graduate students who enroll in Undergraduate (1000-4000) level courses may have their level of certification lowered as a result of enrollment in such courses.

To expedite processing of enrollment certification, students should request certification of their credit hours for VA education benefits [online](#). Students are responsible for notifying One Stop Student Services any time their course load changes. 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, UNF 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.



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BROOKS COLLEGE OF  
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School of Nursing

Department of Public Health

Department of Clinical and  
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Department of Nutrition and  
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Brooks College of Sciences

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## Brooks College of Health

Pamela S. Chally, Ph.D., R.N., Dean  
Lucy B. Trice, Ph.D., A.R.N.P., B.C., Associate Dean

[www.unf.edu/brooks](http://www.unf.edu/brooks)  
(904) 620-2810

### Graduate Programs

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.

### Doctoral Programs

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.

### Master's Degree Programs

A number of master's degrees are offered within the College. The Department of Public Health offers programs culminating in a Master of Public Health degree (M.P.H.) in Community Health, Master of Science in Health degree (M.S.H.), and a Master of Health Administration degree (M.H.A.). Students who earn the M.S.H. degree can specialize in various health related professional tracks. These specializations include geriatric management and nutrition. In addition, a post-baccalaureate certificate in aging studies is offered and may be pursued independently or in conjunction with one of the programs identified above. The School of Nursing offers a Master of Science in Nursing degree (M.S.N.) with a Primary Care Nurse Practitioner track, a Clinical Nurse Specialist track, Clinical Nurse Leader track and a Nurse Anesthetist track. The School of Nursing also offers an R.N.-M.S.N. accelerated track option for R.N.s seeking higher degrees. In addition, a post-master's Family Nurse Practitioner Certificate is offered for those already holding a master's degree in nursing. The Brooks College of Health also offers the Mental Health Counseling Program, whose graduates receive a Master of Science degree.

### Vision, Mission and Values of the College

#### Vision

To be a leader in the study of health and the preparation of health professionals through quality teaching, scholarship and service.

#### Mission

To facilitate the pursuit of knowledge and develop competent caring health professionals by providing excellent opportunities that are focused on and relevant and accountable to the individuals and communities we serve.

## Values

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

- **Mutual Respect:** We treat everyone in our diverse community with consideration and dignity.
- **Service:** We provide service to our university, communities and professions.
- **Integrity:** We conduct ourselves in an ethical and respectable manner.
- **Accountability:** We are responsible for our attitudes and actions.
- **Innovation:** We encourage and support creativity.
- **Cooperation:** We support a culture characterized by open communications, collaboration and collegiality.
- **Excellence:** We promote the highest standard of quality performance.
- **Well-Being:** We promote physical, emotional, and social well-being.
- **Fulfillment of Potential:** We are committed to development through lifelong learning.

## Goals

1. Advance the recruitment and retention of a culturally diverse student body who are academically ready, while creating opportunities for their success.
2. Broaden the scope and assure quality of academic programs in the health professions in order to meet the changing needs of the health care industry.
3. Support and recognize research and career development as essential functions of the College.
4. Enhance and expand outreach initiatives and partnerships to provide opportunities for the BCH to impact health issues.

## Center for Global Health & Medical Diplomacy

Yank D. Coble, Jr., M.D., D.C.M.T., Director

[www.unf.edu/brooks/center](http://www.unf.edu/brooks/center)

The Center for Global Health and Medical Diplomacy (the center) is located within the Brooks College of Health. The center is the first global health organization to include a focus on medical diplomacy, which denotes quiet advocacy through caring, ethics and science, the fundamental and enduring traditions of health and medical care throughout the world. The center has obtained wide community participation and support in its efforts to promote understanding of global health issues by organizing, presenting, and participating in health forums, speaker presentations, and conferences; as well as being highly engaged with state, national and international organizations. Dr. Coble, former president of the American Medical Association as well as the World Medical Association, has directed the Center since its inception.



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Coggin College of Business

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## Coggin College of Business

### Mission

To educate and develop business professionals through rigorous, relevant accredited degree programs offered by faculty devoted to student learning and engaged in scholarly activities.

### Vision

To be the business school of first choice for well-prepared students seeking interaction with faculty who are dedicated to student learning and are nationally recognized in their disciplines.

### Values

Coggin College staff, students, and faculty work together in a learning community characterized by civility, mutual respect, and open, honest communication.

The distinctiveness of our learning community is exemplified by the values that we consider most important. Specifically, we value:

- faculty-student interaction of the highest quality;
- global perspective, as an essential aspect of relevant business education; and
- commitment to enthusiasm for continuous learning.

Our faculty and staff embrace these values and encourage our students to do the same. As our students observe professional interactions among faculty, staff and their peers, they are provided with behavioral models to emulate.

Our goal is to live and share these values so that students learning in the Coggin College, which could be limited to receiving information, instead becomes transformational learning. That is, it results in a positive shift in the way students think, view themselves, and view the world around them.

This transformational learning takes place in our classrooms and in experiential learning opportunities such as study abroad; internships; participation in student organizations; involvement in research projects with our faculty; and professional interactions with our staff.

We expect that students who are engaged in the Coggin College learning community will obtain high-quality positions upon graduation and have successful careers as business professionals. As alumni, they become the "Brand" of the Coggin College.

### Accreditation

The Coggin College of Business is fully accredited at both the undergraduate and the 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. AACSB is the premier accrediting agency for business schools internationally with only 551 business schools and only 167 accounting programs holding this distinction.

### Wall Street Journal Partnership

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

### COGGIN COLLEGE OF BUSINESS

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Administration Program

Master of Accountancy  
Program

GlobalMBA Program

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Barron's online and the WSJ Employment Edition. Additional information is available at <http://www.unf.edu/coggin/services/wsj.html>.

### **Admission to Programs**

Students seeking to enter the Master of Business Administration or Master of Accountancy programs must satisfy both general University admissions criteria and the specific criteria established by the Coggin College of Business. The College also has two certificate programs in e-Business and International Business. Students may participate in both programs as part of their graduate programs or as a separate experience. Only fully admitted graduate students may enroll in any graduate business course.

Admission to the MBA and MAcc programs require all of the following:

1. a minimum 20 verbal and 22 quantitative score on the Graduate Management Admission Test (GMAT)
2. a minimum 1050 score based upon the formula  $(200 \times \text{upper-level GPA})$  plus the GMAT total score
3. a minimum GMAT total score of 500 for the MAcc program and the MBA program
4. a U.S. bachelor's degree from a regionally accredited university or an equivalent foreign degree

Note: All applicants for admission must have completed the GMAT unless they possess an M.D. or Ph.D. degree.

Note: All MBA and MACC applications, test scores, transcripts, and supporting documents should be sent directly to the Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224. Admission to the GlobalMBA program has additional requirements.

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College of Arts & Sciences

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## College of Arts & Sciences

[www.unf.edu/coas/](http://www.unf.edu/coas/)  
(904) 620-2560

### Dean's Office

Barbara A. Hetrick, Ph.D., Dean  
David E. W. Fenner, Ph.D., Associate Dean  
Marnie Jones, Ph.D., Associate Dean  
Beth Clements, Assistant to the Dean  
Margaret Meadows, Director of Development

The College of Arts and Sciences has ten graduate programs among its educational offerings. Masters degrees are offered in Biology, Criminal Justice, English, History, Mathematics/Statistics, Public Administration, Philosophy, and Psychology (two degrees are offered both in Biology and Psychology). Given the mission of the University and the College, most 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.

### Graduate Programs

Biology: Master of Arts  
Biology: Master of Science  
Criminal Justice: Master of Science  
History: Master of Arts  
*With concentrations in:*  
European History with Thesis  
European History - Non-Thesis  
United States History with Thesis  
United States History - Non-thesis  
Mathematical Sciences: Master of Science  
*With concentrations in:*  
Mathematics  
Statistics  
Practical Philosophy & Applied Ethics: Master of Arts  
Applied Ethics - Post-Baccalaureate Certificate  
Public Administration: Master of Public Administration  
*With concentrations in:*  
General Administration  
Health Administration  
Local Government Policy and Administration  
National Security Policy and Administration  
Non-Profit Management  
Non-Profit Management Certificate - Post-Baccalaureate Certificate  
Counseling Psychology: Master of Arts in Counseling Psychology  
General Psychology: Master of Arts in General Psychology  
Applied Sociology: Master of Science

#### ARTS & SCIENCES

Biology  
Criminology and Criminal Justice  
English  
History  
Mathematics & Statistics  
Philosophy  
Political Sciences & Public Administration  
Psychology  
Sociology





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College of Computing, Engineering & Construction

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## College of Computing, Engineering & Construction

### Dean's Office

Peter Braza, Ph.D., Interim Dean and Professor  
Gerald Merckel, Ph.D., Associate Dean and Professor  
(904) 620-1350; Fax (904) 620-2385

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.

CCEC Master's graduates are prepared for advanced positions in industry and for continuing graduate study at a higher level. When applicable, the College's M.S. programs are designed to articulate with graduates of programs accredited by ABET (for Computing and Engineering) or ACCE (for Construction Management). While ABET and ACCE accreditation do not apply to the College's M.S. programs, the corresponding B.S. programs are accredited (with the exception of Software Engineering; the College does not offer a corresponding B.S. program).

### Graduate Learning Outcomes

The [Graduate Learning Outcome Statements](#) articulate the educational objectives and outcomes for the College's graduate programs.

COMPUTING, ENGINEERING &  
CONSTRUCTION

School of Computing

School of Engineering

CCEC Distance Learning





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College of Education & Human Services

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## College of Education & Human Services

### Dean's Office

Larry G. Daniel, Ph.D., Dean  
Marsha H. Lupi, Ed.D., Associate Dean  
(904) 620-2520

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 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.

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 2008 reporting period, 100 percent of students who completed UNF's teacher education programs obtained acceptable scores on all portions of the FTCE.

### Doctoral Program

The college offers a program of advanced graduate study leading to a Doctor of Education degree in Educational Leadership. The program includes course work in specific areas of study, and requires satisfactory performance on a comprehensive examination and completion of a dissertation. Students are admitted to a doctoral cohort who complete the majority of their course work together. Admissions requirements and a description of the program of study are included below. Applicants seeking admission to the doctoral program should contact the Department of Leadership, Counseling and Instructional Technology at (904) 620-2990.

### EDUCATION & HUMAN SERVICES

Admissions

Department of Childhood Education

Department of Exceptional Student and Deaf Education

Department of Foundations and Secondary Education

Department of Leadership, Counseling & Instructional Technology

Educator Preparation Institute

Prerequisites for Master's Degree Majors



## The Master's Degree Programs

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, postsecondary and adult studies, advanced teaching and learning) and educational technology leadership; elementary education (professional education, initial and add-on certification, literacy and instructional technology concentrations); secondary education (professional education, add-on certification, instructional technology, TESOL and adult learning concentrations); special education (deaf education, disability services, applied behavior analysis, ASL/English interpreting and exceptional student education concentrations); and counselor education (school counseling concentration).

### The Master of Education Degree Program

For a major in the Department of Childhood Education and the Department of Foundations and Secondary Education, graduate students are required to complete a minimum of 36 credit hours. Master of Education programs are available in elementary, secondary, middle school, adult, and K-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 licensure and accreditation requirements.

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.

### Master of Education Degree Majors and Concentrations

#### Counselor Education

- School Counseling

#### Educational Leadership

- School Leadership
- Postsecondary and Adult Studies
- Advanced Teaching and Learning
- Educational Tech Leadership

#### Elementary Education

- Professional Education
- Literacy (K-12) "add-on" Certification
- Instructional Technology
- Teaching English as a Second Language
- Elementary (1-6) Initial Cert

#### Secondary Education

- Professional Education
- Instructional Technology
- Adult Learning
- Teaching English as a Second Language

#### Special Education

- Disabilities Services
- Initial Certification in Exceptional Student Education and Deaf Education K-12
- Applied Behavior Analysis
- American Sign Language/English Interpreting



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## Admissions

David E. W. Fenner, Dean, The Graduate School  
Keith E. Martin, Director, The Graduate School (904) 620-1360

### 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. Feel free to do so at any time during and even before you begin the application process.

1. All graduate applicants must complete and submit either a printed application form or an online application. You can also complete an application online at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies). You may download the form from the UNF website at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies).
2. Complete and send in the application form and the non-refundable application fee of \$30 (check or money order) by the deadline posted for the semester you would like to begin your graduate studies. Applications and fees should be sent to the following address:  
  
The Graduate School  
University of North Florida  
1 UNF Drive  
Jacksonville, FL 32224
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. The Graduate School will only accept hard copy transcripts.
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. For information on the GRE, students can visit [www.ets.org](http://www.ets.org); for the GMAT, students may visit [www.mba.com](http://www.mba.com). 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.

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Once the Graduate School has received your transcripts and test scores, your application will then be forwarded in the form of a Graduate Referral to the graduate advisor of the program to which you are applying. The department will then review your application, make an admission decision, and notify us. You will then receive a letter informing you of the decision.



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## Graduate Programs

Mark E. Workman, Provost & Vice President, Academic Affairs  
(904) 620-2700  
David E. W. Fenner, Dean, The Graduate School  
(904) 620-1360

### Greetings

The University and The Graduate School at UNF are pleased to welcome you and hope to offer you every possible encouragement in pursuing your educational aims at the University of North Florida. Currently, the University of North Florida offers three doctoral and 27 master's degrees. Most of these master's degrees contain more than one specialized track to meet student needs. In addition, UNF offers several post-baccalaureate or post-masters certificate programs that result in a student either receiving a non-degree certificate awarded by UNF or in the completion of the course work required for state licensure or certification.

Most of our programs accept both full-time and part-time students. Most of our programs also accept applicants year round and invite you to apply to begin in fall semester, spring semester, summer A term, or summer B term.

### Doctoral Programs

Brooks College of Health  
Doctor of Nursing Practice  
Doctor of Physical Therapy

College of Education and Human Services  
Doctor of Education in Educational Leadership

### Master's Programs

Brooks College of Health  
Master of Science in Health  
Master of Health Administration  
Master of Science in Nursing  
Master of Public Health: Community Health  
Master of Science in Rehabilitation Counseling

Coggin College of Business  
Master of Business Administration  
Master of Accountancy  
GlobalMBA

College of Arts and Sciences  
Master of Arts in Biology  
Master of Science in Biology  
Master of Science in Criminal Justice  
Master of Arts in English  
Master of Arts in History  
Master of Science in Mathematical Sciences  
Master of Arts in Practical Philosophy and Applied Ethics  
Master of Public Administration  
Master of Arts in Counseling Psychology  
Master of Arts in General Psychology  
Master of Science in Applied Sociology

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Master of Science in Computer and Information Sciences  
Master of Science in Civil Engineering  
Master of Science in Electrical Engineering  
Master of Science in Mechanical Engineering

College of Education and Human Services  
Master of Education in Educational Leadership  
Master of Education in Special Education  
Master of Education in Counselor Education  
Master of Education in Elementary Education  
Master of Education in Secondary Education

### **Certificate Programs**

Brooks College of Health  
Nurse Practitioner

Coggin College of Business  
International Business  
E-Business

College of Arts and Sciences  
Applied Ethics  
Certification in Non-profit Management

College of Education and Human Services  
Educational Leadership

- School Leadership (Administrator Certification)
- Certification of Transformation of Conflict

### **Collaborative Programs in Engineering**

The University of North Florida serves as a FEEDS (Florida Engineering Education Delivery System) center, facilitating the delivery of engineering graduate degree programs and courses in the First Coast region. The FEEDS provides a distance learning link between the classroom and engineers unable to attend classes on campus. Course materials originate at FEEDS centers located in Florida colleges of engineering with accredited degree programs. For information visit [elearn.ccec.unf.edu/](http://elearn.ccec.unf.edu/).

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## Student Records, Rights & Responsibilities

### Transcripts

UNF will process only written requests for transcripts. Electronic mail, fax, or telephone calls are not accepted. Students may complete a form available at One Stop Student Services or send a request by mail. Students must include a check or money order for the number of transcripts ordered. Transcripts are \$8 each. A student who receives a graduate degree will receive two free transcripts when he or she picks up his or her diploma. 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.

### 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:

- Student Health/Medical: Office of Student Health Services
- Student Services: Office of Student Affairs
- Student Disciplinary: Office of Student Affairs
- Educational Records: University Registrar
- Nonacademic Counseling Records: Office of Student Affairs
- Financial Aid Records: Enrollment Services Compliance
- Student Placement Records: Office of Student Placement
- Athletes: Athletic Office

### Directory Information

In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended, commonly known as the Buckley Amendment, the University of North Florida defines public or directory information as the following:

*"Name, 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, and weight/height of athletes."*

Directory information, as defined by the University of North Florida, may be released at the University's discretion, without the student's written consent unless a request for non-disclosure has been received by One Stop Student Services by the end of the first scheduled week of classes as noted in the University Calendar. 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. Forms are available at One Stop Student Services and the UNF 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

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information. If a nondisclosure 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.

### **Right to Explanation and Interpretation**

1. Current and former students are entitled to a response from the University to reasonable requests for explanation and interpretation of their records and to 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).

### **Right to Request Copies and Copy Fees**

The University reserves the right to deny a request for copies of educational records made by a student or eligible parent when there is a financial obligation to the University which has not been satisfied and/or 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. Coursework from other institutions does not appear on the UNF transcript.
2. Copies of all other educational records: 15 cents per page for copying plus any administrative costs incurred for search, retrieval, and mailing.

Requests for copies of educational records should be submitted in writing to One Stop Student Services in UNF Hall. Other student record information regarding health, law enforcement, finances, pre-attendance, employment, housing, disciplinary, personal nonacademic 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.

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## Registration

### 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.

### Registration

Three quarters through each semester One Stop Student Services posts online a course schedule for the upcoming semester. The website identifies the steps involved in registering for classes on the Internet or in person. The website also includes information about the Academic Calendar, application deadlines, financial dates and deadlines, the final examination schedule, commencement, myWings, information for new students concerning orientation and the Student Identification Card, Student Services, the UNF policies on drugs and alcohol, and much more.

### Adding and Dropping Courses

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 UNF website 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 for dropped courses. UNF 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 a Request for Late Registration Form (available from One Stop Student Services). After the first three weeks of classes, students must complete a Petition to Waive University Policy, supported by proper documentation to be considered for late-adding a course. A final grade of "F" is assigned if a student discontinues attendance in a course without officially dropping or withdrawing from a course.

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.

Late adds (adding a class after the add/drop deadline) may only be done within two weeks of the add/drop deadline. Petitioning to extend the drop deadline is not permitted under normal circumstances. Extraordinary situations MUST be documented.

### Withdrawals

A student may withdraw from a course or from the University starting at the end of the add/drop period through the "Last day to withdraw" (see the University Calendar online). The student must complete an official withdrawal request by this deadline and submit it to One Stop Student Services, send a letter postmarked no later than the deadline, or withdraw online through myWings. A grade of "W" will be assigned upon completion of the withdrawal request process, and no refund is 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.

### 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 semester, prior to the posting of grades. 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.

### **Petitions**

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 in order for the petition to be considered. Please visit the [Academic Policy & Regulation Petitions webpage](#) to view items that cannot be petitioned.

### **Course Loads**

A full-time graduate course load is nine or more hours; a part-time graduate course load is fewer than nine hours. 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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## Graduation Policies

1. 18 hours of credit at the 6000-level must be earned as part of the master's degree.
2. All 6000-level coursework must be completed with a GPA of 3.0 or higher.
3. At the time of graduation an overall GPA of at least 3.0 must be maintained.
4. At least 30 semester hours of graduate credit are required for a first master's degree. Of those 30 hours, at least 24 must be earned in residency at UNF.
5. For a second master's degree, at least 24 hours of UNF graduate credit in residency is required.
6. All coursework for a master's degree must be completed within six years of being fully admitted to the graduate program; for a doctoral program, eight years. Exceptions must be approved and validated by the student's graduate program director and The Graduate School office.
7. Students intending to graduate for a given semester must officially signal their intent to the University by applying to graduate with the One Stop Student Services office. This must be done at the beginning of the semester in which they intend to graduate.

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## Division of Student Affairs

<http://www.unf.edu/student-affairs/>

Mauricio Gonzalez, Vice President for Student and International Affairs

The Mission of the Division of Student Affairs is to support a diverse student body by creating a dynamic educational environment that complements the University's mission and values. The Division focuses on the necessity of relevant learning outside the classroom and facilitates a holistic development within a global context.

The Division of Student Affairs encompasses 23 departments and units providing an array of programs, services, and credit and non-credit learning opportunities that complement students' classroom experiences and prepares students 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, and hands-on involvement in campus governance.

Students wishing to explore or enhance their grasp of various academic majors also will find meaningful non-credit experiences in a number of the Division's departments, such as serving as staff of the campus newspaper (Spinnaker) for Communication majors seeking writing experience or Art and Design majors looking to develop photographic skills; an Accounting major serving on Student Government's Budget and Allocations Committee; or a variety of a majors for whom experience in the Student Union could be insightful. Explore Student Affairs' web site for more ideas.

To learn more about Student Affairs offerings that directly serve students in their academic progress, please review the following information:

### Bette Soldwedel Research Center (BSRC)

[www.unf.edu/dept/womens-center](http://www.unf.edu/dept/womens-center)

The BSRC, 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 BSRC and apply for grant money to support their research.

### Career Services

<http://www.unf.edu/dept/cdc/>

The need for career assistance begins early in students' college experiences and continues throughout their academic and professional lives. Career Services provides a variety of career services, programs, and resources specifically designed to help 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.

#### Cooperative Education and Internships

**Cooperative Education** is a unique educational program in which students integrate classroom study with supervised work experience related to their major field of study.

Cooperative Education is a free elective course available in each of the five UNF colleges.

- College of Arts & Sciences Cooperative Education and Internships  
[www.unf.edu/dept/cdc/coas/coascoop.html](http://www.unf.edu/dept/cdc/coas/coascoop.html)
- College of Computing Engineering and Construction Cooperative Education Program  
[www.unf.edu/dept/cdc/elit/ccecoop.html](http://www.unf.edu/dept/cdc/elit/ccecoop.html)

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- College of Education and Human Services Cooperative Education Program  
[www.unf.edu/dept/cdc/coehs/coehscoop.html](http://www.unf.edu/dept/cdc/coehs/coehscoop.html)
- Brooks College of Health Cooperative Education Program  
[www.unf.edu/dept/cdc/coh/bcohscoop.html](http://www.unf.edu/dept/cdc/coh/bcohscoop.html)

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)**

[www.unf.edu/dept/cdrc/](http://www.unf.edu/dept/cdrc/)

In addition to on-campus child care, The Child Development Research Center serves the University community as a pre-internship site for its students (Education majors and others) as well as for students from other colleges and universities within the region. Faculty members also conduct research at the Center. This research is generally interdisciplinary in nature and involves various University academic departments and research projects.

### **Disability Resource Center (DRC)**

[www.unf.edu/dept/disabled-services/](http://www.unf.edu/dept/disabled-services/)

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 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 academic support services necessary for the student's academic pursuits. The DRC provides information on issues of accessibility, reasonable accommodations, and auxiliary learning aids. These services give students with disabilities equal access to academic programs. The DRC office also provides necessary accommodations during special campus events and meetings.

### **English Language Program (ELP)**

[www.studyenglishinusa.com/](http://www.studyenglishinusa.com/)

The English Language Program offers quality instruction with knowledgeable and experienced teachers for students for whom English is not their first language. The goal of the English Language Program (ELP) is to provide international students and professionals an intensive academic experience to provide awareness of international and intercultural understanding. The ELP staff and teachers counsel students as they adjust to a new culture and educational opportunities. Additionally, short conversational foreign languages are offered for those who wish to try a foreign language.

### **Florida/West Africa Institute (FLAWI)**

[www.unf.edu/dept/flawi/](http://www.unf.edu/dept/flawi/)

The Florida/West Africa Institute (FLAWI), a program managed by the Intercultural Center for PEACE, was created by an act of the State Legislature in 1991 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.

### **Intercultural Center for the Promotion, Education and Advancement of Cultures and Ethnicities (ICP)**

[www.unf.edu/dept/icp/](http://www.unf.edu/dept/icp/)

ICP promotes civility and respect for the dignity and worth of each individual at UNF, encourages peace through cultural diversity, and educates and advances the understanding of cultures and ethnicities. ICP offers a variety of scholarships and college preparation programs including the Special Summer Graduate Program (SSGP) for minority graduate students. The objectives of the SSGP are:

- Early adjustment to the University of North Florida graduate programs,
- Review of the skills essential for success in graduate school,
- Acquirement of knowledge regarding nonacademic services and relevant organizations
- Development of a viable student network

### **Institute for Values, Community, and Leadership**

[www.unf.edu/dept/studentlife/leadership.html](http://www.unf.edu/dept/studentlife/leadership.html)

The Institute for Values, Community and Leadership is a collaborative venture between Student Affairs and Academic Affairs designed to provide undergraduate and graduate students with leadership development and experiential learning activities, enabling students

to draw on the experiences of both leadership theorists and their own burgeoning repertoire of talents, reflective practices and ability to demonstrate strengths and attributes of a leader.

The mission of this Institute is to develop and promote global ethical leadership and character among our students and community through education, service, and research. To carry out that mission, the Institute has been innovative and proactive in the following ways: a recognized 'Leadership Certificate'; credit and non-credit options toward earning a certificate; experiential opportunities for skill development; collaboration with all five college deans on approved academic courses as part of the Institute; Experiential Learning Portfolio (Co-Curricular); and a minor in leadership from the College of Education and Human Services.

Working closely with Academic Affairs, the College of Education and Human Services, and the Community Based Transformational Learning Center, Student Affairs has developed an Experiential Learning Portfolio (co-curricular transcript) for students' utilization in capturing and documenting their leadership activities, which include community service on campus and in the world.

### **International Center**

[www.unf.edu/dept/intlctr/](http://www.unf.edu/dept/intlctr/)

The International Center serves two broad groups of students. For domestic (U.S.) students, the Center provides information about [Study Abroad](#) opportunities around the world and assists students who want to study overseas. For international students, the Center serves as a source of immigration information to assist students in maintaining legal status while studying at UNF and provides programs, activities, and services that address the specific needs of international students.

### **Reserve Officers Training Corps at UNF: Army**

The Army Reserve Officers' Training Corps (ROTC) at the University of North Florida is an 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 following graduation from the University.

#### Army ROTC

Army ROTC courses fit into most UNF academic programs as electives. Students normally take one course per semester. Freshmen and sophomores begin with the no-obligation Basic Courses. They receive instruction in basic leadership and military skills such as physical fitness, land navigation, and first aid. Junior and senior Cadets take the Advanced Courses. At this stage, they receive instruction on leadership principles and advanced military skills, culminating in a commission as an Army Officer.

UNF Army ROTC offers several opportunities for scholarships with full tuition/fees (or room and board up to \$10,000 per year). One may apply for a 3-year or 2-year Army ROTC Campus Based Scholarship. Each pays full tuition, \$1,200 per year for books, plus a monthly stipend (during the school year) for living expenses.

#### Reserve Officers Training Corps at UNF: Navy

"Naval Reserve Officers Training Corps: Division of Naval Science" programs are now available to UNF students. Included are fourteen courses, none of which contain the limitation that they may not apply to the 120-credit graduation requirement.

### **Student Code of Conduct**

[http://www.unf.edu/president/policies\\_regulations/05-StudentAffairs/5\\_0010R](http://www.unf.edu/president/policies_regulations/05-StudentAffairs/5_0010R)

As students enter the UNF Community they subscribe to upholding the University Values and academic integrity. The Student Code of Conduct is designed to promote responsible behavior for all students consistent with the welfare of the UNF community and values. 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 rights and responsibilities within this community. The Code is administered through the Division of Student Affairs.

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## Support Services

### Academic Advisement

UNF's advising system has been recognized by the National Academic Advising Association as one of the best in the nation. This exceptionally capable system allows UNF students to map out a program of study best tailored to their individual needs. The University of North Florida is committed to providing caring, quality advising and related student support services for all UNF students in a culturally sensitive and diverse environment. UNF encourages the development of individual initiative, responsibility and self-discipline by students in the planning of their own educational programs. The UNF academic advising system is designed to assist students in the development of educational plans and career goals and to provide assistance and support as students pursue those goals. Academic advisors across the campus help students to understand and negotiate the procedures and policies of the University.

### Veterans Affairs and Military Programs

Veterans Affairs and Military Programs is available to assist military personnel and dependents, and veterans eligible for any of the educational benefit programs administered by the Veterans Administration. Currently, there are five VA Educational Assistance programs: the Montgomery GI Bill, Vocational Rehabilitation, Veterans Education Assistance Program (VEAP), Dependents Educational Assistance, and Educational Assistance for the Selected Reserve. For additional information on these programs, refer to the Financial Aid Information section of the catalog. The office provides the following services:

- Evaluation of military training courses
- VA educational benefits counseling
- Certification of enrollment for educational benefits
- Determination of continued eligibility by academic progress and/or changes in course load
- Documentation and program of studies for degree completion programs
- Liaison with military and veteran students, and the Veterans Administration

### Service Members Opportunity Colleges

The University recognizes the need for greater flexibility in the evaluation of educational experiences of veterans, military personnel and their families, and is a member of the Service Members Opportunity Colleges (SOC). For additional information, contact the One Stop Student Services located in UNF Hall, first floor, or call (904) 620-5555.

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## University Officers & Graduate Faculty

### Executive Staff

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

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

Pierre N. Allaire, Ph.D. (University of Louisville) Vice President for Institutional Advancement

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

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

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

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

### Deans

John P. McAllister, Ph.D. (Pennsylvania State University) C.P.A., Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)

Peter Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering and Construction; Professor, Department of Mathematics and Statistics (Mathematics)

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

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

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

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Professor, Department of Philosophy with collaborative appointment in the College of Education and Human Services

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

Shirley Hallblade, Ph.D. (University of Iowa) Library Science; Dean, Libraries

### Faculty

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

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Ronald J. Adams, Ph.D. (University of Georgia) Professor, Department of Marketing and Logistics (Marketing)

Gregory A. Ahearn, Ph.D. (Arizona State University) Professor, Department of Biology

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

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

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

Laura Ammon, Ph.D. (Claremont Graduate University) Assistant Professor, Department of Philosophy

Lian An, Ph.D. (University of Kentucky) Assistant Professor, Department of Economics and Geography (Economics)

Beyza C. Aslan, Ph.D. (University of Florida) Assistant Professor, Department of Mathematics & Statistics

Maldine Bailey, Ph.D. (Sam Houston State University), Assistant Professor, Department of Criminology and Criminal Justice

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

Mina N. Balioune-Lutz, Ph.D. (Northeastern University) Associate Professor, Department of Economics and Geography

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

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

Elissa Barr, Ph.D. (University of Florida) Associate Professor and Director, Undergraduate Community Health Program, Department of Public Health

Thomas L. Barton, Ph.D. (University of Florida) C.P.A., Kathryn and Richard Kip Professor of Accounting; Department of Accounting and Finance

Homer L. Bates, Ph.D. (University of Illinois) C.P.A., Professor, Department of Accounting and Finance (Accounting)

Jacqueline J. Batey, Ph.D. (University of Florida) Assistant Professor, Department of Childhood Education (Primary Education)

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

Joel W. Beam, Ed.D. (University of North Florida) A.T.C., L.A.T., Associate Professor, Department of Athletic Training and Physical Therapy

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

James P. Beasley, Ph.D. (Purdue University) Assistant Professor, Department of English

Michele S. Bednarzyk, M.N. (University of South Carolina) A.R.N.P., B.C., Instructor, School of Nursing

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

Timothy B. Bell, Ph.D. (Oklahoma State University) Distinguished Professor, Department of Accounting and Finance

Betty J. Bennett, Ph.D. (Florida State University) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

Kathaleen C. Bloom, Ph.D. (University of Florida) A.R.N.P., C.N.M. Professor, School of Nursing

Michelle C. Boling, Ph.D. (University of North Carolina at Chapel Hill) Assistant Professor, Department of Clinical and Applied Movement Sciences

Yemisi A. Bolumole, Ph.D. (Cranfield University - England) Associate Professor, Department of Marketing and Logistics (Logistics)

Mary O. Borg, Ph.D. (University of North Carolina at Chapel Hill) Director of the Honors Program, Professor, Department of Political Science and Public Administration

Janet E. Bosnick, Ph.D. (University of Florida) Associate Professor, Department of Childhood Education (Mathematics Education)

Denise I. Bossy, Ph.D. (Yale University) Assistant Professor, Department of History

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Peter Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering and Construction; Professor, Department of Mathematics and Statistics (Mathematics)

Louise Freshman Brown, M.F.A. (Syracuse University) Professor, Department of Art and Design (Painting/Drawing)

Shunda L. Brown, Ph.D. (University of Virginia) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (School and Mental Health Counseling)

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Andrew J. Buchwalter, Ph.D. (Boston University) Professor, Program Director, Department of Philosophy

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

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

Elena M. Buzaianu, Ph.D. (Syracuse University) Assistant Professor, Department of Mathematics and Statistics

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

Charles H. Calhoun, Ph.D. (Florida State University) Director of MACC Program, Professor and Chair, Department of Accounting and Finance

Daniel J. Callcut, Ph.D. (Johns Hopkins University) Associate Professor, Department of Philosophy

Joseph L. Campbell, Ph.D. (Clemson University) Professor, School of Engineering

Adam C. Carle, Ph.D. (Arizona State University) Assistant Professor, Department of Psychology

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

Keith Cartwright, Ph.D. (Indiana University) Assistant Professor, Department of English (English)

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

Youngtae Choi, Ph.D. (Texas A & M University) Assistant Professor, Department of Marketing and Logistics (Marketing)

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Charles E. Closmann, Ph.D. (University of Houston) Assistant Professor, Graduate Coordinator, Department of History (European History)

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B. Jay Coleman, Ph.D. (Clemson University) Associate Dean, Coggin College of Business; Richard deRaimes Kip Professor of Operations Management and Quantitative Methods; Professor, Department of Management (Operations Management and Quantitative Methods); Distinguished Professor, 2005

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

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Neal S. Coulter, Ph.D. (Georgia Institute of Technology) Professor, School of Computing

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

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Jorge Febles, Ph.D. (University of Iowa) Professor and Chair of World Languages

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Elizabeth L. Furdell, Ph.D. (Kent State University) Professor, Department of History; Distinguished Professor, 2002

D. Christopher Gabbard, Ph.D. (Stanford University) Associate Professor, Department of English (English)

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

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

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

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Shane (Tru) Leverette, Ph.D. (University of Florida) Assistant Professor, Department of English

Nancy J. Levine, Ph.D. (Columbia University) Associate Professor, Department of English (English)



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W. Patrick Monaghan, Ph.D. (Bowling Green State University), Professor, School of Nursing

Katie M. Monnin, Ph.D. (Kent State University) Assistant Professor, Department of Childhood

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W. Allen Moore, Ph.D., P.T., (Virginia Commonwealth University) Assistant Professor, Department of Clinical and Applied Movement Sciences (Physical Therapy)

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

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Theophilus C. Prousis, Ph.D. (University of Minnesota) Professor, Department of

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Anthony M. Rossi, Ph.D. (Florida State University) Associate Professor, Department of Biology

Connie Roush, Ph.D., (University of Washington) Assistant Professor, School of Nursing

Randall J. Russac, Ph.D. (Arizona State University) Associate Professor and Coordinator for the MAGP Program, Department of Psychology (Psychology)

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

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Reneé S. Scott, Ph.D. (University of California - Berkeley) Professor, Department of World Language

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## Foundantion and Secondary Education

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Michael P. Toglia, Ph.D. (University of Colorado, Boulder) Professor and Chair, Department of Psychology

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

Earle C. Traynham, Ph.D. (University of South Carolina) Professor, Department of Economics and Geography (Economics) and ECT Distinguished Professor of Business Administration

Lucy B. Trice, Ph.D. (Texas Woman's University) A.R.N.P., B.C., Associate Dean, Brooks College of Health and Professor, School of Nursing

Ma Teresa Tuason, Ph.D. (State University of New York, Albany) Associate Professor, Department of Psychology

Karthikeyan Umapathy, Ph.D. (Pennsylvania State University) Assistant Professor, School of Computing

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

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

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

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

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

Jacob M. Vigil, Ph.D. (University of Missouri-Columbia) Assistant Professor, Department of Psychology

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

Rico L. Vitz, Ph.D. (University of California) Assistant Professor, Department of Philosophy

Bobby E. Waldrup, Ph.D. (University of Mississippi) C.P.A., Associate Professor, Department of Accounting and Finance (Accounting)

F. Layne Wallace, Ph.D. (University of North Texas) Associate Professor, School of Computing

Dongyuan "Debbie" Wang, Ph.D. (Purdue University) Associate Professor, Department of Psychology

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

Julia A. Watkins, Ph.D. (University of South Carolina) Associate Professor, Department of Public Health (Nutrition)

Kristine Webb, Ph.D. (University of New Mexico) Director, Disability Resource Center and Associate Professor, Department of Exceptional Student and Deaf Education

Christine Weber, Ph.D. (Texas A&M University) Associate Professor, Department of Childhood Education (Elementary Education)

Sally Weerts, Ph.D. (University of Minnesota) Assistant Professor and Director of the Undergraduate Nutrition Program, Department of Public Health (Nutrition)

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

Patrick Welsh, Ph.D. (Florida State University) Associate Professor of Engineering and Executive Director of the Advanced Weather Information Systems (AWIS) Laboratory, School of Engineering

Jennifer K. Wesely, Ph.D. (Arizona State University) Associate Professor and MSCJ

Program Director, Department of Criminology and Criminal Justice

Darren A. Wheeler, Ph.D. (Miami University Ohio) Assistant Professor, Department of Political Science and Public Administration (American Government and Politics)

John E. White, Ph.D. (University of Colorado at Boulder) Assistant Professor, Department of Foundation and Secondary Education

David Whittinghill, Ph.D. (University of Florida) Associate Professor, Graduate Coordinator for Mental Health Counseling, Department of Public Health

Kenneth T. Wilburn, Ph.D. (Florida State University) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

Sharon T. Wilburn, Ph.D. (University of Florida) Professor, Department of Public Health

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

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

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

Carolyn L. Williams, Ph.D. (University of California at Los Angeles) Associate Professor, Department of History

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

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

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

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English (Literature and Folklore)

Lauri Wright, Ph.D. (University of South Florida) Assistant Professor, Department of Nutrition and Dietetics

Gabriel J. Ybarra, Ph.D. (University of Wisconsin - Milwaukee) Assistant Professor, Department of Psychology

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

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

Pingying Zhang, Ph.D. (Norwegian School of Management) Assistant Professor, Department of Management

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

### **Emeriti Faculty**

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

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

Richard Bizot, Ph.D. (University of Virginia) Professor Emeritus of English; Distinguished Professor, 1999.

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

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



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

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

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

James B. Crooks, Ph.D. (Johns Hopkins University) Professor Emeritus of History; Distinguished Professor, 1992

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

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

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, 1991

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

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

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

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

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

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

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

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

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

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

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

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

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, 1985

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

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, 1981

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

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

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 Emeritus of Public Health (Rehabilitation Counseling)

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

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

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

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

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

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

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, 1996

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, 1990

Bette J. Soldwedel, Ed.D. (New York University) Professor Emeritus of Education; Distinguished Professor, 1979 (deceased)

Ann H. Stoddard, Ed.D. (University of Georgia) Professor Emeritus of Education

E. Allen Tilley, Ph.D. (University of Iowa) Professor Emeritus of English; Distinguished Professor, 1997

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

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

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

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

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

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

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

William J. Wilson, Ph.D. (Texas A&M University) Professor Emeritus of Statistics; Distinguished Professor, 2004

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

Gerson Yessin, Mus.D. (Florida State University) Professor Emeritus and Founding Chair, Department of Music; Distinguished Professor, 1986

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Brooks College of Sciences

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## Brooks College of Health

Pamela S. Chally, Ph.D., R.N., Dean  
Lucy B. Trice, Ph.D., A.R.N.P., B.C., Associate Dean  
(904) 620-281

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 & Dietetics, and the School of Nursing.

### Baccalaureate Degree Programs

The baccalaureate degrees offered include: Bachelor of Science in Health (B.S.H.), with tracks in Community Health and Nutrition and a concentration in Exercise Science; 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).

### Vision, Mission and Values of the College

#### Vision

To be a leader in the study of health and the preparation of health professionals through quality teaching, scholarship and service.

#### Mission

To facilitate the pursuit of knowledge and develop competent caring health professionals by providing excellent opportunities that are focused on and relevant and accountable to the individuals and communities we serve.

#### Values

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

- **Mutual Respect:** We treat everyone in our diverse community with consideration and dignity.
- **Service:** We provide service to our university, communities and professions.
- **Integrity:** We conduct ourselves in an ethical and respectable manner.
- **Accountability:** We are responsible for our attitudes and actions.
- **Innovation:** We encourage and support creativity.
- **Cooperation:** We support a culture characterized by open communications, collaboration, and collegiality.
- **Excellence:** We promote the highest standard of quality performance.
- **Well-Being:** We promote physical, emotional, and social well-being.
- **Fulfillment of Potential:** We are committed to development through lifelong learning.

#### Goals

### BROOKS COLLEGE OF HEALTH

School of Nursing

Department of Public Health

Department of Clinical and  
Applied Movement Sciences

Department of Nutrition and  
Dietetics

Center for Global Health &  
Medical Diplomacy



1. Advance the recruitment and retention of a culturally diverse student body who are academically ready, while creating opportunities for their success.
2. Broaden the scope and assure quality of academic programs in the health professions in order to meet the changing needs of the health care industry.
3. Support and recognize research and career development as essential functions of the College.
4. Enhance and expand outreach initiatives and partnerships to provide opportunities for the BCH to impact health issues.

### **Academic Advisement**

Each student must have an official program of study filed with the advising office of the college. Students must meet with an advisor concerning their program requirements as early as possible before registration for the first semester at UNF. The Brooks College of Health Advising Office is located in the Brooks College of Health Building, 39, Room 3025A. The phone number is (904) 620-2812.

Notes:

1. Prerequisites and programs of study may vary due to mandates and accreditation requirements. Students should contact the Brooks College of Health Advising Office for further information.
2. Brooks College of Health students who wish to pursue more than one minor should contact the Brooks College of Health Advising Office.

### **Center for Global Health and Medical Diplomacy**

[www.unf.edu/brooks/center/](http://www.unf.edu/brooks/center/)

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## Coggin College of Business

### Mission

To educate and develop business professionals through rigorous, relevant accredited degree programs offered by a faculty devoted to student learning and engaged in scholarly activities.

### Vision

To be the business school of first choice for well-prepared students seeking interaction with faculty who are dedicated to student learning and are nationally recognized in their disciplines.

### Values

Coggin College staff, students, and faculty work together in a learning community characterized by civility, mutual respect, and open, honest communication.

The distinctiveness of our learning community is exemplified by the values that we consider most important. Specifically, we value:

- faculty-student interaction of the highest quality;
- global perspective, as an essential aspect of relevant business education; and
- commitment to and 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 student 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.

The curriculum is oriented toward professionalism and stresses analytical ability and principles rather than existing current or past techniques. The use of several methods of instruction, both within the classroom and outside the classroom, is encouraged.

The University's Thomas G. Carpenter Library, University computer facilities, and modern audio-visual technology are central to all aspects of the curriculum.

Coordination of the broad undergraduate educational process requires careful articulation, primarily with neighboring community colleges, as well as with other colleges and divisions within the University. About half of the undergraduate program is in general subjects, and almost a full year devoted to acquiring a common body of knowledge and corollary skills in business administration, including the environment of business. An opportunity for advanced work is available in most traditional business disciplines.

With the help of academic and career advisors, the student chooses a path through a major that strives to produce or to increase creativity and understanding of cause and effect

### COGGIN COLLEGE OF BUSINESS

Bachelor of Business  
Administration Curriculum

Dean's Office

Department of Management

Department of Accounting &  
Finance

Department of Marketing &  
Logistics

Department of Economics and  
Geography

International Business  
Flagship Program

Minors in the Coggin College  
of Business

Honors in the Major Program

Study Abroad Opportunities

Osprey Financial Group (OFG)

Academic Advisement

Academic Policies

Career Management Center





relationships. Courses with this emphasis stress the behavioral and quantitative sciences as they relate to decision-making problems in organizations.

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 551 business schools holding this distinction and only 167 accounting programs holding this distinction.

The Coggin College of Business adheres to the admission policy of the University, described in the Admission section of this catalog, and recommends some specific lower-level courses. These lower-level requirements, together with a general outline of all requirements for graduation, are detailed below. In addition, all students must satisfy the state of Florida's foreign language requirement, either in high school or at the lower level. For details, students should see the appropriate section of this catalog or an academic advisor.

### **Wall Street Journal Partnership**

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 may access all of the WSJ's online editions (e.g., European, Asian). Additional information is available at <http://www.unf.edu/coggin/services/wsj.html>.

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College of Arts & Sciences

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## College of Arts & Sciences

### Dean's Office

(904) 620-2560

Barbara A. Daniels Hetrick, Dean  
David E. W. Fenner, Associate Dean  
Marnie Jones, Associate Dean  
Beth Clements, Assistant to the Dean  
Margaret Meadows, Director of Development

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.

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.

### Mission

The mission of the College of Arts and Sciences is to provide excellent instruction in the liberal arts to its diverse student body at every level of the curriculum; to graduate students who possess the knowledge, values, and skills that are required of an educated and responsible citizenry inhabiting a global, multicultural society; to offer academic programs that are committed to the highest level of quality as evidenced by the active scholarship and research of their faculties; and to contribute to both the immediate and life-long intellectual development and career aspiration of the college's students, faculty, staff, and friends, as well as to the intellectual, economic, social, ethical and cultural needs of the community and region.

### ARTS & SCIENCES

Art and Design  
Biology  
Chemistry  
Communication  
Criminology and Criminal Justice  
Economics and Geography  
English  
History  
International Studies (B.A.)  
Mathematics and Statistics  
Music  
Philosophy  
Physics  
Political Science and Public Administration  
Psychology  
Sociology and Anthropology  
World Languages



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College of Computing, Engineering & Construction

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## College of Computing, Engineering & Construction

Peter Braza, Ph.D., Interim Dean & Professor  
Gerald Merckel, Ph.D., Associate Dean & Professor

Building 15, Room 3400  
(904) 620-1350  
[www.unf.edu/ccec](http://www.unf.edu/ccec)

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.

### Laboratory and Computing Facilities

[www.unf.edu/ccec/facilities/](http://www.unf.edu/ccec/facilities/)

Coursework in the college is supported by discipline-specific and general laboratories. In the Computing Sciences, classes use both general campus computing facilities and advanced School of Computing (SoC) laboratories. The advanced SoC computing laboratories are configured specifically to support upper level and graduate instruction in multimedia, image processing/graphics, robotics, database, software development, and communications/networking, utilizing Windows and UNIX operating systems environments. Courses in the School of Engineering are supported by specialized laboratories, most of which are equipped with advanced computers and engineering instrumentation. Laboratories are also provided for senior design. The Construction Management program uses computing and construction materials laboratories.

All of the college's computing systems are networked via file servers and are on the campus fiber-optic network. General campus computing equipment provided by the UNF Information Technology Services includes DEC/Alpha central systems supporting the general student laboratory and campus computing needs. Students are provided with e-mail and Internet access, which is fully accessible from laboratories or via dial-up connection from off campus. The specialized advanced computing and engineering laboratories housed within the college extend general campus computing services by adding advanced facilities supporting the range of research and instruction that characterizes the college's degree programs.

### Accreditation

The computer science program is accredited by the Computing Accreditation Commission (CAC) of ABET Inc. The information systems program is accredited by the CAC of ABET Inc. The undergraduate electrical engineering, civil engineering, and mechanical engineering programs are accredited by the Engineering Accreditation Commission (EAC) of ABET Inc. The undergraduate construction program is accredited by the American Council for Construction Education (ACCE).

### Mission

COMPUTING, ENGINEERING &  
CONSTRUCTION

School of Computing

School of Engineering

Construction Management

CCEC Distance Learning



The mission of UNF's College of Computing, Engineering, and Construction is to provide our students with the highest level of education and professional experiences. The College will focus on continuous improvement for students and graduates by interacting with professional constituents in the community and offering excellence through teaching, research, scholarship and access to all.

### **Vision**

UNF's College of Computing, Engineering, and Construction aspire to be recognized nationally as a premier urban institution for innovative degree programs and research. This preeminence will drive the economic, civic and cultural development of Florida's dynamic First Coast region and beyond.

### **Values**

Fundamental to the College's success is maintenance of the highest standards for its degree and research programs, with ABET and ACCE accreditation essential; development of its students' leadership, communications, and technical abilities; respect for its students, faculty, staff, industry and civic partners and stakeholders; and a commitment to integrity and ethical behavior.

### **Academic Advisement**

Each student must have an official degree evaluation (program of study) on file with his or her academic advisor in the college. Students should meet with an academic advisor concerning their program requirements as early as possible, preferably before registration for their first semester at UNF.

Degree evaluations are prepared after the Office of Admissions has evaluated a student's transcripts. Contact information for CCEC Advisors can be found at [www.unf.edu/ccec/advising/index.html](http://www.unf.edu/ccec/advising/index.html).

### **Dual Degree Program (Bethune-Cookman)**

The college and Bethune-Cookman College (BCC) offer a dual degree 3/2 program. A student completing a three-year program at BCC may then enroll in building construction management or any of the engineering programs offered by the college. Upon successful completion of the 3/2 program, the BCC student receives two Bachelor of Science degrees, one each from BCC and UNF.

### **Dual Degrees at UNF**

Students desiring to obtain two baccalaureate degrees, one from CCEC and one from another UNF college, must meet the requirements for both degrees, earn a minimum of 150 credit hours, and have the approval of both colleges. The application for graduation must indicate both degrees.

### **Double Majors**

Double majors within the same degree are not permitted in this college.

### **Multiple Minors**

Undergraduate students pursuing a degree in this college are permitted to pursue more than one minor in their program of study. Official declaration of the minor(s) is necessary to ensure the minor(s) will be recorded on the degree evaluation, and university transcripts. Students must meet with their academic advisor to discuss the minor(s) selected. Students majoring in computer science, information technology, electrical engineering, civil engineering, mechanical engineering or building construction management are not required to select a minor.

### **Transformational Learning Opportunities**

Transformation Learning Opportunities (TLO) are available for a variety of enriching experiences while pursuing a degree at UNF, including but not limited to, directed independent research, cooperative experiences, study abroad and internships. With prior approval, some of these may also be used for academic credit.

### **CCEC Certificate in Leadership Development**

The Certificate in Leadership Development is designed for both degree-seeking students and working professionals interested in enhancing their leadership abilities. This program provides students the opportunity to explore leadership styles, study effective industry leaders, and develop marketable skills. Participants will tailor this program to meet their needs through a variety of course options in areas of leadership foundation, communication and interpersonal skills, historical and political perspectives, ethical and legal considerations, and business skills.

Minimum requirements for taking courses in the program include general admission to the

University as a junior or higher (60+credit hours) in good standing. Interested students should contact an academic advisor in the college.

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## College of Education & Human Services

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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. 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.

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 2007 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.

### Academic Advisement

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

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Department of Childhood Education

Department of Exceptional Student and Deaf Education

Department of Foundations and Secondary Education

Department of Leadership, Counseling & Instructional Technology





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.*

### **Office of Educational Field Experiences**

All undergraduate 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 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 professional work credits 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.

### **Probation/Suspension**

An admitted undergraduate education major who fails to earn a cumulative or term average of 2.5 after completing a cumulative total of 15 or more credits will be placed on academic probation and referred to an academic advisor. Academic probation is a warning. If both the term and cumulative GPA fall below 2.5 during the next term of enrollment, the student will be eligible for suspension. If suspended, the student will be dropped from any courses for which 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.

### **Bachelor's Degree Programs**

Teacher education programs leading to the Bachelor of Arts in Education degree have as their primary objective the preparation of educators with broad foundations and observable, measurable competencies and practices that contribute to their personal and professional growth. These competencies and practices assist learners in realizing their full potential in ways which are meaningful and satisfying and which lead to effective participation as members of society. Educators must:

1. Utilize a systems approach. This means they continually test and evaluate whether they are accomplishing their instructional goals. They base their educational activities on learning principles which can be supported by research, feedback evidence from students, and scholarly consensus. This consensus must be in harmony with the goals of the school and the needs of society.
2. Relate to students in a manner consistent with a democratic philosophy of life.
3. Make an effective, constructive, and reasoned contribution to their profession and the society in which they live.
4. Adhere to the highest standards of academic integrity and professionalism. This includes following the University Academic Integrity Code and the professional code of conduct in the College. Under the Academic Integrity Code, when misconduct is uncovered, the instructor may take one or more actions including recommending

dismissal from the program.

## Undergraduate Core

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 Nature of the Learner: 3 credits
- EDG 3323 The Learning Process: 3 credit
- EDF 4327 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
- EEX 3202 The Psychology and Sociology of the Exceptional Learner: 3 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.*

## Majors

The College of Education and Human Services offers majors in elementary education (K-6); pre-kindergarten through primary grades (age 3 through grade 3); K-12 physical education; middle school mathematics/science education; sport management; K-12 programs in art and music; secondary specializations in selected majors in collaboration with the College of Arts and Sciences; and exceptional student education, including Deaf education and sign language interpreting.

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## Honors Program

[www.unf.edu/dept/honors/](http://www.unf.edu/dept/honors/)

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.

### Honors Education

With a motto, "Bridging the Gap between Education and Experience" the Honors Program is centered on the idea of making learning active, participatory, and relevant. Honors classes provide these experiences in the classroom and outside through service learning in the community, thesis research projects, internships, or study abroad opportunities.

The Learning Objectives of the Honors Program are designed to help students be successful in any major or career interest:

1. Critical Thinking
2. Creative Thinking
3. Communication
4. Leadership, Teamwork, and Citizenship
5. Understanding the Nature and Diversity of Cultures

The Honors Program presents an exciting diversity of courses, professors, and types of learning experiences.

### Student Empowerment and Leadership

The Honors Program promotes the development of student leadership by providing students with a variety of outlets to put leadership skills to practice. Students are provided with challenges that allow them to affect their education, such as: participating in the establishment of policies for the Program, identifying curriculum needs and working with faculty and staff in shaping the direction of courses, representing the student body's needs by sitting on the Honors Student Union.

Additionally, we allow opportunities for students to work closely with faculty and instructors to design and facilitate some of our Honors courses. They design, plan, and implement an Honors Orientation for incoming Honors students each fall. They also have created the Community Scholars Program, a mentoring program to benefit at-risk high school students in the Jacksonville area. This is just the beginning of student leadership at work within the Honors Program; with every new student comes new possibilities.

### Experiential Learning

Students and teachers take a hands-on approach to their subjects, moving education beyond the classroom walls and into the surrounding community to make connections between theoretical ideas and the real world. For example:

- Students studying about public policy and children's issues travel to the state capital to speak first-hand with lawmakers who make the policy.
- A class on the political theories represented in the Harry Potter novels takes a 10-day

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- trip to London and Oxford to experience the culture that inspired the books.
- The main project for a History class is the creation of a museum exhibit; the entire class travels to Washington, D.C. to learn museum methods from the staff of the Smithsonian Institute.
- An Honors class studies the politics of West Africa by traveling to Ghana for three weeks.

### Community Engagement

The Honors Service Learning Program provides an opportunity for students to make academic connections between the University and the world through service experiences. This opportunity is designed to promote students' development into true citizens and leaders of the community. Students participate in service projects and placements—tailored to meet actual community needs. The Honors Program is committed to extending learning beyond the classroom through a reflective service curriculum, which encourages students to use their newly acquired skills and knowledge in real-life situations throughout their academic career.

Service Learning is just one form of community engagement practiced in Honors. The service that students engage in allows them a unique opportunity to get an inside perspective on many issues with which our society currently struggles. Once back in the classroom, students combine their service experience with traditional texts to examine the dissonance between different ideas through reflective dialogue in order to reach a new or deeper understanding.

Some examples of service learning opportunities include:

- The Community Scholars Program. A mentoring program created by Honors students for at-risk high school youth as a means to understanding the barriers to success in their lives.
- Students learn about the challenges in the American healthcare system by taking a course called the Science and Ethics of Disease that includes volunteer experiences at the Mayo Clinic in Jacksonville.
- Students are partnered with refugee families who have just arrived in the United States and help the families learn and adapt to the American culture while examining the impact of displacement of individuals on politics, health, homelessness, and employment.

### Interdisciplinary Seminars

Students and teachers actively pursue answers to the age-old question: "What does this have to do with life in the real world?" In striving to find answers to the complex problems we face today, seminars bring the perspectives of two or more different academic disciplines to bear on the subject at hand. For example:

Students studying the relationship between 16th century French explorers and Florida's Timucuan Indians learn what it's like when two people from drastically different cultures meet; the seminar combines Anthropology, History, and Literature to open students' eyes to cultural issues.

- Students exploring issues surrounding moral decision-making in the 21st century learn from a diverse group of community leaders about how they make difficult choices and decisions. The issues cut across disciplines ranging from Political Science to Business to Sociology. Students create their own moral decision-making text.
- Students exploring economics and politics compare the causes and consequences of the economic crisis of 2008 with the Great Depression of the 1930s. The issues cut across disciplines ranging from political science and economics to the literature and popular culture of both eras.

### Undergraduate Scholarship

Students who undertake Honors in the Major or Interdisciplinary Honors are eligible to apply for competitive grants that fund their research or creative projects. In April of each year, the University of North Florida hosts a symposium in which the award recipients from the previous year present their finished projects. Their projects are also published in the *Osprey Journal of Ideas and Inquiry*, UNF's Undergraduate Research Journal. These experiences are especially valuable for students who wish to pursue doctoral degrees or professional degrees in law, medicine or business.

Click [here](#) for links to the most recent *Osprey Journal*

Below are links to past publications.

Archives

[Osprey Journal Vol. VI 2007](#)

[Osprey Journal Vol. V 2006](#)

[Osprey Journal Vol. IV 2005](#)

### Honors Opportunities

Joining the Honors Program at UNF affords students opportunities, which are often life-altering. For example:

- Students who produce thought-provoking academic work get the chance to present their projects at Honors conferences at the national, regional, and state levels.
- Students join faculty in international travel, learning to “read” different cultures as they would a text.
- Students are eligible for all of the opportunities available through the Undergraduate Academic Enrichment Program, which now falls under the administrative purview of the Honors Program. For more information about these opportunities, click the link below.

[Undergraduate Academic Enrichment Program](#)

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## Undergraduate Admissions

### General Policies

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 Programs (EOP). Inquires about policies and practices may be directed to the EOP Office at (904) 620-2507, Building 1, Room 2400.

### General Procedures

Applicants for admission are required to submit the following:

1. An application for admission must be submitted by the deadline specified in the official University schedule on the [web](#). Applicants may apply for admission up to one year in advance of the term in which enrollment is sought. UNF's online application is available on the [website](#). A PDF version of the paper application may be downloaded or obtained from UNF's One Stop Student Services by telephoning (904) 620-5555. In order to be considered for admission, applications must be received in One Stop Student Services by the published deadlines. Deadlines subject to change.
2. An application fee payment of \$30 by check, credit card or money order (not cash) must be attached to the application for admission. This is not refundable. Applications received without the fee will not be processed.
3. Official transcripts and test scores, if applicable, are required of applicants seeking formal admission to UNF. Transcripts must be submitted by the same deadline as applications specified in the official University schedule on the Web. It is the applicant's responsibility to have the required documentation forwarded to One Stop Student Services in order for the application to be processed.
4. Applicants should refer to the appropriate section in this catalog to determine if additional materials such as letters of recommendation, financial statements or other test scores are required.
5. Applicants who matriculate at Florida public universities are required to provide proof of immunization against rubeola (measles) and rubella (German measles) prior to the initial registration. Also effective July 1, 2008, all new matriculating students must provide proof of vaccination against meningitis and hepatitis B or provide a signed waiver for each declined vaccination. The policy applies to students who attend classes taught at the main campus. Questions concerning this policy should be directed to the [Medical Compliance Office](#), (904) 620-2175, Building 39A, Room 2100. The Office of Admissions may be contacted by telephone at (904) 620-5555 or [online](#).

### Criminal Offense Charges

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.

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

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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
- 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

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- 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

## Freshman and Sophomore Students

### Academic Center for Excellence

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.
- Intrusive academic advising for students admitted into the Academic Potential Program (APP) which is a summer probationary program. Require students to meet with their advisor regularly during their freshman year while cultivating a positive, nurturing relationship.
- 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.
- CLAST review and preparatory workshops.
- Workshops for undecided students in conjunction with the Career Services office.

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

### 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) or those students with less than 60 credit hours are assigned to the 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 10 Room 2120. You can reach an Honors Academic Advisor by calling the main Honors Office at (904) 620-2649

or by visiting the [Honors website](#).

### **Junior and Senior Advising**

After the completion of 60 semester hours, students are assigned to an academic advisor in the appropriate college. Each college provides specially trained academic advisors to assist upper level students in successfully developing and completing their academic goals. 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
  - [Computer and Information Sciences](#): (904) 620-2985
  - [Engineering](#): (904) 620-2970
  - [Building Construction Management](#): (904) 620-2745
- [College of Education and Human Services](#): (904) 620-2530

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## Academic Policies and Regulations

Mark E. Workman, Provost and Vice President for Academic Affairs  
(904) 620-2700

### 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 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 a student's academic objectives change, an application for change of major must be submitted to One Stop Student Services. 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.

### Credit Transfers

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. In general, credits earned by correspondence or extension are not transferable in excess of 30 credit hours, no more than 10 hours of which may be upper-level credits.

The University will accept a combination of 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)
- American College Testing - Proficiency Examination Program (PEP)
- Military service school credit as evaluated by the American Council on Education Guide to the evaluation of educational experiences in the armed services. (A maximum of 15 hours)
- Correspondence/Extension coursework credit from a regionally accredited institution. (A maximum of 30 hours of which no more than 10 may be upper-level hours)
- International Baccalaureate (IB)

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Up to 45 total credit-by-exam credits may be awarded including up to 30 credits for the IB diploma.

### **Credit by Examination (CLEP)**

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 in [Appendix L](#). 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 One Stop Student Services. 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.

### **Advanced Placement**

Credit will be granted for satisfactory scores on the Advanced Placement Examinations. Generally, a score of three (3) or higher is sufficient. Please refer to [Appendix J](#).

### **International Baccalaureate**

UNF recognizes the International Baccalaureate and may award up to a maximum of 30 credit hours. Charts, which can be used as a guide to determine the type and amount of credit, are found in [Appendix K](#).

### **Academic Responsibilities of Members of the University Community**

Members of the University community are expected to be familiar with requirements outlined in this catalog and all official dates specified in the official University Calendar, which is published on the UNF website each semester.

In addition, both instructors and students are responsible for ensuring that all members of the community maintain high standards of integrity.

### **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 having extenuating circumstances beyond their control and who are unable to attend the first class meeting must notify the instructor of the department 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. The effect of absences upon grades is determined by the instructor, who reserves the right to deal with individual cases of non-attendance.

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. Instructors must allow each student who is absent due to a University-sponsored activity the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence. However, in special cases the instructor may establish specific attendance requirements in addition to those covered by this policy. These special attendance requirements must be published on the course syllabus and disseminated at the first class meeting.

Only students who are enrolled in classes are permitted to attend that class beyond the reinstatement period.

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 University calendar.

Special guests may be permitted to attend specific class sessions with the permission of the instructor.

Non-attendance does not guarantee a course will be dropped. The student is



fee liable for all courses registered for unless a drop is initiated by the student.

### **Academic Integrity**

UNF places high priority on and strives to uphold the highest standards of academic integrity while protecting the rights of students and faculty.

Should any instructor find evidence of cheating, plagiarism, or other inappropriate assistance in work presented by a student, the instructor should inform the student of the action that will be taken. Any student who becomes aware of misconduct related to academic integrity should inform the instructor or other proper authority.

The consequences of a breach of academic integrity may result in an F, which is non-forgivable, regardless of withdrawal status.

### **Right of Appeal**

Members of the University community are entitled to fair and equitable procedures. Any member who believes that actions of other members are not equitable has the right of appeal. A student who feels that a University policy imposes an undue hardship may submit a petition requesting a waiver of the specific policy. Petition forms are available at One Stop Student Services, and students will be informed of the results of the appeal.

Student appeals relating to individual courses shall be limited to a period of 90 days from the date the award is given of any grade (except Incomplete) for the course in question. Guidelines for grade appeals are available at One Stop Student Services.

### **Transfer Students**

Those who earn an Associate in Arts degree (A.A.) from a Florida public university or community college are guaranteed certain rights under the Statewide Articulation Agreement. A list of rights is provided below:

Transfer Student Bill of Rights:

Florida public community college students are strongly encouraged to complete the Associate in Arts (A.A.) degree, which is designated by the Statewide Articulation Agreement as the transfer degree. The Statewide Articulation Agreement guarantees A.A. degree graduates the following rights:

- Admission to one of the state universities, except to limited access programs which have additional admission requirements.
- Acceptance of at least 60 credit 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 community 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, PEP, Dual Enrollment, Early Admission and International Baccalaureate).
- No additional General Education Core requirements.
- Advance knowledge of selection criteria for limited access programs.
- 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 at (904) 620-5555.

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, Building 1/Room 2400, J.J. Daniel Hall, (904) 620-2507.

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## Academic Enrichment Program

Mary O. Borg, Director  
(904) 620-3931

[mborg@unf.edu](mailto:mborg@unf.edu)  
[www.unf.edu/dept/scholar-programs](http://www.unf.edu/dept/scholar-programs)

The Undergraduate Academic Enrichment Program (UAEP) at the University of North Florida falls under the auspices of the Honors Program; however all UNF students are eligible to take advantage of the experiences and opportunities that the program offers. The UAEP offers several opportunities to enhance and enrich the educational experiences of all students. The following programs are offered by the UAEP:

### Prestigious National Scholarships and Fellowships

The UAEP assists talented students in securing prestigious national and international scholarships and fellowships. Most of the scholarships and fellowships provide financial support for graduate study; however, a few provide support for the last two years of undergraduate study and for study abroad. The office provides mentoring, counseling, coaching, and editing to help students improve their chances of obtaining these competitive scholarships. The details of these scholarships can be obtained from the [UAEP website](#).

### The University Scholars Honor Society

The University Scholars Honor Society (USHS) is designed to provide additional intellectual opportunities to UNF's best students. Only students with 3.6 and higher grade point averages are invited to apply for membership, and only 30-40 students are selected for membership. Students in the Honor Society meet once or twice per month during the regular academic year to discuss current events, engage in public policy debates, hear nationally prominent speakers, attend cultural events, or participate in service projects. [Applications](#) can be downloaded from the UAEP website and e-mailed to [Dr. Borg](#).

### Collaborative Undergraduate Scholarship Program (CUSP)

A competitive grant process funds up to a maximum of \$1,500 (\$1,000 for the faculty mentor and \$500 for the student) to undergraduates who wish to conduct independent, scholarly or creative projects. Each grant recipient must have a faculty sponsor to guide the grant recipient's scholarly or creative project. Student grant recipients receive a minimum of three hours of directed individual study academic credit for undertaking their research projects. Grant applications are due on twice per year and grant recipients must submit their final projects by May 1 of the following year. In April of each year, the Undergraduate Academic Enrichment Program in conjunction with the UNF Honors Program hosts a Poster Session in which the award recipients from the previous year present the finished products of their research projects. The UAEP also publishes the *Osprey Journal of Ideas and Inquiry*, which includes the finished products of the research projects of all of the previous year's award recipients. [Applications](#) can be downloaded from the UAEP website. The current year's *Osprey Journal* as well as archives of the previous years journals are also available from the [UAEP website](#).

### Undergraduate Travel Grants

The UAEP sponsors a competitive grant process to award funds to students whose travel benefits the university by enhancing its reputation as a premier undergraduate institution of higher education. These grants are for a maximum of \$500 per year. Most students use the grants to pay their travel expenses to attend national and international conferences where they present their research to professional audiences. [Applications](#) can be downloaded from

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the [UAEP website](#).

### **The “Other Club” Dinner-Debating Society**

The University of North Florida is one of only four universities in the United States to have a chapter of the Other Club. Winston Churchill established the Other Club as a dinner-debating society that brings together people with diverse views for a friendly debate over a nice dinner. Churchill chose the name as a reference to a prestigious social club that already existed in England called the Club; thus, Churchill's club was the “Other Club.” Meetings of the Other Club begin with dinner followed by prepared speeches on a pre-determined topic by four members of the club. The topics are chosen by a vote of the club membership and usually are thought-provoking, though not strictly academic. Examples of some of the topics that have been discussed at previous Other Club dinners are: “Is American Society Getting Better or Worse?” and “Do Americans Work Too Much?” After the four prepared speeches are delivered, the floor is open to anyone who cares to comment. A toastmaster summarizes the debate. Attendance at the Other Club Dinners is by invitation. The student members of the University Scholars Honor Society are invited, and the students are encouraged to invite one of their favorite faculty members. Several prominent leaders in the Northeast Florida community are also invited. It is an excellent opportunity for the town and gown to come together in an intellectual and lively exchange of ideas.

### **The Great Decisions Program**

Great Decisions is an international educational program offered to students at the University of North Florida. The program is offered jointly by the Undergraduate Academic Enrichment Program and the World Affairs Council of Jacksonville. The curriculum, developed by the Foreign Policy Association, includes “The Briefing Book,” which contains eight non-partisan articles about current international issues, as well as the Great Decisions video series. The curriculum encourages discussion and debate among the students. Dr. David Schwam-Baird from the Political Science Department is the facilitator of the program. To participate in Great Decisions Program, contact [Dr. Schwam-Baird](#).

### **Intellectual Life Grants**

The Undergraduate Academic Enrichment Program offers a number of competitive grants for improving the quality of intellectual life on campus. Faculty members may apply for funding to support activities and events that increase intellectual opportunities for undergraduate students at UNF. These activities and events may be associated with a class that the faculty member is teaching or they may be extra-curricular. Examples of some of the activities that have been supported in the past are class field trips to cultural or intellectual events, guest lectures, guest performances, and many others. The average amount of the awards is \$500, although larger amounts have been awarded. Priority is given to activities that benefit large groups of students on campus. Applications can be downloaded from the [UAEP website](#).

### **The Face-to-Face Interview Series**

Face-to-Face is an on-going series of in-depth conversations with prominent members of the Northeast Florida community. Past interviews have been conducted with Governor Jeb Bush, Wayne Weaver, owner and CEO of the Jacksonville Jaguars, Delores Kesler, founder of Accustaff, and Jay Stein, founder of Stein-Mart. The interviews are conducted in a class that has a special interest in the expertise of the person being interviewed. For example, Jay Stein's interview was conducted in a marketing class in the Coggin College of Business. All students of the UNF community are also invited to attend. If you would like to be invited, please contact [Dr. Borg](#).

### **Career Connections**

Once or twice per semester, the UAEP and the UNF Honors Program co-host an informal lunch with local leaders in a particular career field. All students who are interested in that career field are invited to attend. Past career fields have included law, medicine, banking, psychological counseling, and public relations. These are wonderful opportunities for freshman and sophomore students to explore what is required to enter a particular career field, and they are wonderful networking opportunities for students who are further along in their programs of study. To be included in these career lunches, contact [Dr. Borg](#)

### **Washington Center & Other Public Policy Internships**

A comprehensive internship program is open to all UNF students. Internships are available through the Washington Center Program ([www.twc.edu](http://www.twc.edu)) which offers reduced tuition to students who are attending a state university in Florida. In addition to the Washington Center internships, the UAEP can also help students secure internships in Congress, the Florida legislature, U.S. embassies, national and international NGOs and city, state and federal government agencies. These internships can be arranged for varying amounts of time ranging from one to two months during the summer to a full semester. Student scholarships are available to help students fund these internship opportunities. For more information, contact [Dr. Borg](#) or [Nancy Soderberg](#), Director of Public Policy Initiatives.

### **UNF's Mock Trial Team**

The UNF Mock Trial team is open to all UNF students, not just students who plan to pursue a

legal career. Through engaging in trial simulations in competition with teams from other institutions, students develop critical thinking and public speaking skills, as well as a knowledge of legal practices and procedures. UNF's team competes in events sponsored by the American Mock Trial Association (AMTA), which sponsors regional and national-level competitions in addition to providing interesting and complex case materials for academic use. For more information about joining UNF's Mock Trial Team, contact [Dr. Borg](#) or [Martin Edwards](#), the Director of UNF's Pre-Law Program.

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## Office of Academic Testing

[www.unf.edu/dept/testing/](http://www.unf.edu/dept/testing/)

The Office of Academic Testing administers Independent Study examinations and such tests as the Certified Health Education Specialist (CHES) examination, College-Level Academic Skills Test (CLAST), College-Level Examination Program (CLEP), Florida Teacher Certification Exam (FTCE), Graduate Record Exam (GRE), National Board for Professional Teaching Standards (NBPTS) examination, Praxis I, and Test of English as a Foreign Language (TOEFL). Information about many other tests is available.

The College-Level Examination Program (CLEP) is offered by appointment only to students who desire to take exams for college credit.

The College-Level Academic Skills Test (CLAST) is required of all undergraduate students who seek admission to upper level programs at UNF, unless they have received a CLAST exemption. In spring 1995, Florida's Legislature approved alternatives to CLAST, which became effective January 1, 1996. (Refer to the Academic Policies and Regulations section of this catalog.) CLAST is offered, paper-based, once each February, June and October. A computerized CLAST lab is available for the English Language Skills, Reading, and Mathematics subtests (for a fee) by appointment only each term. For CLAST registration information and scheduling appointments to take the CLAST on the computer, students should visit the Office of Academic Testing, Founders Hall, and Room 2056, (904) 620-2927.

The Florida Teacher Certification Examination (FTCE) is one requirement for teacher certification. Applications to register for the test are available from UNF's College of Education and Human Services and as well as the Office of Academic Testing.

Information about making registration appointments for GRE, PRAXIS I, and TOEFL can be found in the Office of Academic Testing, Founders Hall, Room 2056, (904) 620-1973.

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## Division of Student Affairs

[www.unf.edu/student-affairs/](http://www.unf.edu/student-affairs/)

Mauricio Gonzalez, Ph.D., Vice President for Student and International Affairs

The Mission of the Division of Student Affairs is to support a diverse student body by creating a dynamic educational environment that complements the University's mission and values. The Division focuses on the necessity of relevant learning outside the classroom and facilitates a holistic development within a global context.

The Division of Student Affairs encompasses 23 Departments and Units providing a generous array of programs, services, and credit and non-credit learning opportunities that complement students' classroom experiences and prepares students 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, and hands-on involvement in campus governance.

Students wishing to explore or enhance their grasp of various academic majors also will find meaningful non-credit experiences in a number of the Division's departments, such as: serving on staff of the campus newspaper (Spinnaker) for Communications majors seeking writing experience or Art and Design majors looking to develop photographic skills; an Accounting major serving on Student Government's Budget and Allocations Committee; or a variety of a majors for whom experience in the Student Union could be insightful. Explore Student Affairs' web site for more ideas.

To learn more about Student Affairs offerings that directly intersect with students in their academic progress, please review the following information.

### Bette Soldwedel Research Center (BSRC)

[www.unf.edu/dept/womens-center/](http://www.unf.edu/dept/womens-center/)

The BSRC, 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 BSRC and apply for grant money to support their research.

### Career Services

[www.unf.edu/dept/cdc/](http://www.unf.edu/dept/cdc/)

The need for career assistance begins early in students' college experiences and continues 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.

#### Cooperative Education and Internships

**Cooperative Education** is a unique educational program in which students integrate classroom study with supervised work experience related to their major field of study. Cooperative Education is a free elective course available in each of the five UNF colleges.

- Cooperative Cooperative Education and Internships  
[www.unf.edu/dept/cdc/coas/coascoop.html](http://www.unf.edu/dept/cdc/coas/coascoop.html)

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- College of Computing Engineering and Construction Cooperative Education Program  
[www.unf.edu/dept/cdc/elit/cceccoop.html](http://www.unf.edu/dept/cdc/elit/cceccoop.html)
- College of Education and Human Services Cooperative Education Program  
[www.unf.edu/dept/cdc/coehs/coehscoop.html](http://www.unf.edu/dept/cdc/coehs/coehscoop.html)
- Brooks College of Health Cooperative Education Program  
[www.unf.edu/dept/cdc/coh/bcohcoop.html](http://www.unf.edu/dept/cdc/coh/bcohcoop.html)

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 and guides the student through the career development process.

### **Child Development Research Center (CDRC)**

[www.unf.edu/dept/cdrc](http://www.unf.edu/dept/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 allows faculty members to conduct research there, which is generally interdisciplinary in nature and involves various University academic departments and research projects.

### **Disability Resource Center (DRC)**

[www.unf.edu/dept/disabled-services](http://www.unf.edu/dept/disabled-services)

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 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 academic support services necessary for the student's academic pursuits. The DRC provides information on issues of accessibility, reasonable accommodations, and auxiliary learning aids. These services give students with disabilities equal access to academic programs. The DRC office also provides necessary accommodations during special campus events and meetings.

### **English Language Program (ELP)**

[www.studyenglishinusa.com](http://www.studyenglishinusa.com)

The English Language Program offers quality instruction with knowledgeable and experienced teachers. The ELP staff and teachers offer a compassionate, caring attitude by counseling students as they adjust to a new culture and educational opportunities. The ELP welcomes and invites you to UNF to study English and American culture in sunny, beautiful Florida. Additionally, short conversational foreign languages are offered for those who want to try a foreign language.

The goal of the English Language Program (ELP) is to provide international students and professionals an intensive academic experience to provide awareness of international and intercultural understanding.

### **Florida/West Africa Institute (FLAWI)**

[www.unf.edu/dept/flawi](http://www.unf.edu/dept/flawi)

The Florida/West Africa Institute (FLAWI), a program managed by the Intercultural Center for PEACE, was created by an act of the State Legislature in 1991 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.

### **Intercultural Center for the Promotion, Education and Advancement of Cultures and Ethnicities (ICP)**

[www.unf.edu/dept/icp](http://www.unf.edu/dept/icp)

ICP promotes civility and respect for the dignity and worth of each individual at UNF, encourages peace through cultural diversity, and educates and advances the understanding of cultures and ethnicities. ICP offers a variety of scholarships and college preparation programs including the [Martin Luther King, Jr. Scholarship](#) and QUEST (Quality for the Ultimate Educational Success Today). The [QUEST program](#) is for first-time in college minority freshmen students. QUEST provides students with skills essential to college success, personalized career exploration counseling, and information about University services and student organizations.

ICP promotes civility and respect for the dignity and worth of each individual at UNF, encourages peace through cultural diversity, and educates and advances the understanding of cultures and ethnicities. ICP offers a variety of scholarships and college preparation programs including the [QUEST](#) (Quality for the Ultimate Educational Success Today). The is for first-time in college minority freshmen students. QUEST provides students with skills essential to college success, personalized career exploration counseling, and

information about University services and student organizations.

### **Institute for Values, Community, and Leadership**

[www.unf.edu/dept/studentlife/leadership.html](http://www.unf.edu/dept/studentlife/leadership.html)

The Institute for Values, Community and Leadership is a collaborative venture between Student Affairs and Academic Affairs designed to provide students with leadership development and experiential learning activities, enabling students to draw on the experiences of both leadership theorists and their own burgeoning repertoire of talents, reflective practices and ability to demonstrate strengths and attributes of a leader.

The mission of this Institute is to develop and promote global ethical leadership and character among our students and community through education, service, and research. To carry out that mission, the Institute has been innovative and proactive in the following ways: A Recognized 'Leadership Certificate'; Credit and non-credit options toward earning a Certificate; Experiential opportunities for skill development; Collaboration with all five college Deans on approved academic courses as part of the Institute; Experiential Learning Portfolio (Co-Curricular); and A Minor in Leadership from the College of Education and Human Services.

Working closely with Academic Affairs, the College of Education and Human Services, and the Community Based Transformational Learning Center, Student Affairs has developed an Experiential Learning Portfolio (co-curricular transcript) for students' utilization in capturing and documenting their leadership activities, which include campus and community service on campus and in the world.

### **International Center**

[www.unf.edu/dept/intlctr/](http://www.unf.edu/dept/intlctr/)

The International Center serves two broad groups of students. For domestic (U.S.) students, the Center provides information about [Study Abroad](#) opportunities around the world and assists students who want to study overseas. For international students, the Center serves as a source of immigration information to assist students in maintaining legal status while studying at UNF and provides programs, activities, and services that address the specific needs of international students.

### **Reserve Officers Training Corps at UNF: Army**

The Army Reserve Officers' Training Corps (ROTC) at the University of North Florida is an 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 following graduation from the University.

#### Army ROTC

Army ROTC courses fit into most UNF academic programs as electives. Students normally take one course per semester right along with their other classes. Freshmen and sophomores begin with the no-obligation Basic Courses. They receive instruction in basic 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, they receive instruction on leadership principles and advanced military skills, culminating in a commission as an Army Officer.

UNF Army ROTC offers you several opportunities for scholarships with full tuition/fees (or room and board up to \$10,000 per year). You 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 (during the school year) for living expenses.

#### Reserve Officers Training Corps at UNF: Navy

"Naval Reserve Officers Training Corps: Division of Naval Science" programs are now available to our UNF students. Included are fourteen course descriptions none of which contains the limitation that they may not apply to the 120-credit graduation requirement. The Vice President of the Student Affairs Division is assuming day-to-day oversight as a management liaison for this program.

### **Student Code of Conduct**

[http://www.unf.edu/president/policies\\_regulations/05-StudentAffairs/5\\_0010R](http://www.unf.edu/president/policies_regulations/05-StudentAffairs/5_0010R)

As students enter the UNF Community they subscribe to upholding the University Values and academic integrity. The Student Code of Conduct is designed to promote responsible behavior for all students consistent with the welfare of the UNF community and values. 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 this Code shall be administered through the Division of Student Affairs.



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## Naval Reserve Officers Training Corps (NROTC): Naval Science Program

University of North Florida students may participate in the Naval Reserve Officer Training Corps program which is housed at Jacksonville University while they are 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

[NROTC: Naval Science Program](#)

[Naval Science Curriculum](#)

[Naval Science Courses](#)

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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**

These students enter into an agreement with the Secretary of the Navy in which they agree to take certain Naval Science courses, university-taught courses, drill periods, and to complete one summer training period. They enlist in the Naval Reserve upon commencement of advanced standing. In return, the Navy provides uniforms and 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 college 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 two hours each Thursday afternoon.





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## Service Members Opportunity Colleges

The University recognizes the need for greater flexibility in the evaluation of educational experiences of veterans, military personnel and their families, and is a member of the Service Members Opportunity Colleges (SOC).

For additional information, contact One Stop Student Services [online](#); at UNF Hall, Building 53, suite 1700; or by phone, (904) 620-5555.

### Veterans Affairs and Military Programs

Veterans Affairs and Military Programs advice is available to assist military personnel and dependents, and veterans eligible for any of the educational benefit programs administered by the Veterans Administration. Currently, there are five VA Educational Assistance programs: the Montgomery GI Bill, Vocational Rehabilitation, Veterans Education Assistance Program (VEAP), Dependents Educational Assistance, and Educational Assistance for the Selected Reserve. For additional information on these programs, refer to the Financial Information section of the catalog

In addition to other services, One Stop Student Services provides the following services:

- Evaluation of military training courses
- VA educational benefits counseling
- Certification of enrollment for educational benefits
- Determination of continued eligibility by academic progress and/or changes in course load
- Documentation and program of studies for degree completion programs
- Liaison with military and veteran students, and the Veterans Administration

### Military Policy Agreement:

As a part of the University's continuing commitment to provide educational opportunities for active-duty military personnel and their spouses, and retired military personnel, a formal policy facilitating the transfer of academic credit was adopted in October of 1987. This policy allows active duty military personnel stationed in Florida, their spouses and retired military personnel who hold associate in arts degrees from regionally accredited institutions to transfer as juniors to UNF. To determine eligibility, applicants must provide documentation of an acceptable associate in arts degree and verification of their status to One Stop Student Services.

Prior to graduation, students must meet the provisions of 240-2333, Florida Statutes (1988) regarding the statewide foreign language requirement and the provisions of State Rule, 6A-10.030, College-Level Communication and Computation Skills, known as the Gordon Rule, and the CLAST requirement as prescribed by Florida Statutes and State Board of Education Rules (Rule 6A-10.316).

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## University Officers & Faculty

### Appendix A

#### Executive Staff

- John A. Delaney, J.D. (University of Florida) President
- Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English
- Thomas S. Serwatka, Ph.D. (Kent State University) Vice President and Chief of Staff; Professor, Department of Exceptional Student and Deaf Education (Deaf Education)
- Pierre N. Allaire, Ph.D. (University of Louisville) Vice President for Institutional Advancement
- 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

#### Deans

- Peter A. Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering and Construction; Professor, Mathematics
- 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
- 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)
- David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Associate Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology
- Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Thomas G. Carpenter Library
- Barbara A. Daniels Hetrick, Ph.D. (Oregon State University) Dean, College of Arts and Sciences; Professor, Biology
- John P. McAllister, Ph.D. (Pennsylvania State University) CPA, Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)
- Robert Wood, M.P.A. (Indiana University) Dean, Division of Continuing Education

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## Faculty

Myrna "Trudy" Abadie-Fail, M.F.A. (Savannah College of Art and Design) Assistant Professor, Department of Art and Design

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

John Adams, Ph.D. (Texas Tech University) Assistant Professor, Department of Account and Finance (Finance)

Ronald J. Adams, Ph.D. (University of Georgia) Professor, Department of Marketing and Logistics (Marketing)

Ajayi O. Adewale, Ph.D. (University of Akron) PE, Associate Professor, School of Engineering (Mechanical Engineering)

Gregory A. Ahearn, Ph.D. (Arizona State University) John A. Delaney Presidential Professor and Graduate Coordinator, Department of Biology

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

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

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

Krista A. Albrecht, M.A. (Murray State University) Instructor, Department of Communication (Speech)

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

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

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

Gretchen E. Ames, Ph.D. (University of Florida) Department of Psychology (Clinical Psychology)

Laura L. Ammon, Ph.D. (Claremont Graduate University) Assistant Professor, Department of Philosophy (Religious Studies)

Lian An, Ph.D. (University of Kentucky) Assistant Professor, Department of Economics and Geography (Economics)

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

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

Seth C. Anderson, Ph.D. (University of North Carolina) CFA, Kathryn Magee Kip Professor of Financial Services, Professor of Finance

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

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

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

David Atherton (University of Florida) Laboratory Lecturer, Department of Chemistry and Physics (Chemistry)

Owiredu Baffour, M.F.A. (Auburn University) Assistant Professor, Department of Art and Design (Graphic Design)

Madline Bailey, J.D., Ph.D. (University of Georgia, Sam Houston State University) Department of Criminology and Criminal Justice

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

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

Mina N. Balamoune-Lutz, Ph.D. (Northeastern University) Associate Professor,  
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Marianne B. Barnes, Ph.D. (University of Texas) Professor, Department of Foundations  
and Secondary Education (Science Education)

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

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

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

Jacqueline J. Batey, Ph.D. (University of Florida) Assistant Professor, Department of  
Childhood Education (Primary Education)

Christopher W. Baynard, Ph.D. (University of Florida) Assistant Professor, Department  
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Department of Communication (Communication)

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

Tiffany Beechy, Ph.D. (University of Oregon) Assistant Professor, Department of English

David J. Begley, M.F.A. (Savannah College of Art & Design) Assistant Professor,  
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Denis R. Bell, Ph.D. (University of Warwick) Professor, Department of Mathematics and  
Statistics (Mathematics)

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

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Professor, Department of Political Science and Public Administration

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## Education

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

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

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

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

Kyle Echols, Ph.D. (University of Wisconsin-Madison) Assistant Professor, Department of World Languages (Spanish)

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

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

John A. Eisler, Ph.D. (Emory University) Associate Professor, Department of Psychology

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

Adel El-Safty, Ph.D. (North Carolina State University) Assistant Professor, School of Engineering (Civil Engineering)

Sherif A. Elfayoumy, Ph.D. (University of Louisville) Associate Professor, School of Computing

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

Joan Farrell, Ph.D. (State University of New York at Buffalo) Professor, Department of Public Health

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology

Jorge Febles, Ph.D. (University of Iowa) Professor and Chair, Department of World Languages (Spanish)

Joy Feria, M.S. (University of North Florida) Instructor and Internship Coordinator, Department of Criminology and Criminal Justice

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

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

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

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

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

Cheryl A. Fountain, Ed.D. (University of Florida) Executive Director, Florida Institute of

Education; Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

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

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

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

Elizabeth L. Furdell, Ph.D. (Kent State University) Professor, Department of History; Distinguished Professor, 2002

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

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

Andrés Alberto Gallo, Ph.D. (University of Illinois Champaign - Urbana) Associate Professor, Department of Economics and Geography (Economics)

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

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

Lev V. Gasparov, Ph.D. (Institute for Solid State Physics, Russia) Associate Professor, Department of Physics

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

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

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

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

Tayeb A. Giuma, Ph.D. (University of Miami) Associate Professor, School of Engineering (Electrical Engineering)

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

Lakshmi Goel, Ph.D. (University of Houston) Assistant Professor, Department of Management

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

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

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

Vernice "Bunky" Green, M.M. (Northwestern University) Director of Jazz Studies, Professor, Department of Music (Music)

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

Caroline Guardino, (University of Arizona) Assistant Professor, Department of Exceptional Student and Deaf Education

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

Saurabh Gupta, Ph.D. (University of Georgia) Assistant Professor, Department of Management (Management Information Systems)

Sandra L. Gupton, Ed.D. (University of North Carolina/Greensboro) Professor, Department of Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

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

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

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

Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Library

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

Sami M. Hamid, Ph.D. (Texas A & M University) Assistant Professor, Department of Mathematics and Statistics (Mathematics)

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

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

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

Alan Harris, Ph.D. (University of Oklahoma) Assistant Professor, School of Engineering (Electrical Engineering)

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

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Aaron Hilliard, Ph.D. (Meharry Medical College) Courtesy/Clinical Professor, Brooks College of Health

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(English)

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

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

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

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

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Charles R. Paulson, Ph.D. (University of Iowa) Associate Professor, Department of Biology

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

Rujikorn Pavasuthipaisit, Ph.D. (Princeton University) Assistant Professor, Department of Economics and Geography (Economics)

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

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

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

Radha Pyati, Ph.D. (University of North Carolina - Chapel Hill) Associate Professor and Director of the Environmental Center, Department of Chemistry

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

Brian J. Striar, Ph.D. (Claremont Graduate School) Associate Professor, Department of English

Jenny Stuber, Ph.D. (Indiana University) Assistant Professor, Department of Sociology and Anthropology (Sociology)

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

Stanley L. Swart, Ph.D. (Northwestern University) Associate Professor, Department of Criminology and Criminal Justice

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

Dean A. Swinford, Ph.D. (University of Florida) Instructor, Department of English (English)

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

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

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

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

Cara Suzanne Tasher, D.M.A. (University of Cincinnati) Assistant Professor, Department of Music (Music)

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

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

Charles "Chuck" A. Thigpen, Ph.D. (University of North Carolina) P.T., Assistant Professor, Department of Athletic Training and Physical Therapy (Physical Therapy)

Henry B. Thomas, D.P.A. (University of Southern California) Associate Professor, Department of Political Science and Public Administration

Jenifer Thorn, Ph.D. (Florida State University) Instructor, Department of Foundations and Secondary Education (Physical Education)

Brian Patrick Thornton, Ph.D. (University of Utah) Associate Professor, Department of Communications

Robert L. Thunen, Ph.D. (Northwestern University) Assistant Professor, Department of Sociology and Anthropology (Anthropology)

Crystal Timmons, M.Ed. (University of North Florida) Instructor, Office of Field Experiences, College of Education and Human Services

Randall C. Tinnin, D.M.A. (Rutgers University) Associate Professor, Department of Music (Trumpet)

Michael Toglia, Ph.D. (University of Colorado) Professor and Chair, Department of Psychology

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

Lucy B. Trice, Ph.D. (Texas Woman's University) A.R.N.P., B.C., Associate Dean, Brooks College of Health and Professor, School of Nursing

Frederick Troendle, Ph.D. (University of Florida) Laboratory Lecturer, Department of Chemistry and Physics (Chemistry)

Ma. Teresa Tuason, Ph.D. (State University of New York, Albany) Associate Professor, Department of Psychology

Barbara L. Tuck, M.S.L.S. (Florida State University) University Librarian

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

Karthikeyan Umamathy, Ph.D. (Pennsylvania State University) Assistant Professor, School of Computing

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

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

Kristen Vandenberg, M.S.N., R.N. (Georgia Baptist College of Nursing of Mercer University) Instructor, School of Nursing

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

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

Donna Van Loock, M.S.N. (University of North Florida) Instructor, School of Nursing

Clement J. Van Nagel, Ph.D. (University of Pittsburgh) Professor, Department of Exceptional Student and Deaf Education

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

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

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

Jacob M. Vigil, Ph.D. (University of Missouri) Assistant Professor, Department of Psychology

Rico L. Vitz (University of California at Riverside) Assistant Professor, Department of Philosophy

William R. Voorhees, Ph.D. (Indiana University) Assistant Professor, Department of Political Science and Public Administration

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

Timothy M. Vowles, Ph.D. (University of Denver) Assistant Professor, Department of Economics and Geography (Geography)

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Amy Wainwright, M.A. (American University) Instructor, Department of English (Literature)

Bobby E. Waldrup, Ph.D. (University of Mississippi) CPA, Associate Dean and Associate Professor, Department of Accounting and Finance (Accounting)

F. Layne Wallace, Ph.D. (University of North Texas) Associate Professor, School of Computing

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

Dongyuan "Debbie" Wang, Ph.D. (Purdue University) Associate Professor, Department of Psychology (Cognitive Psychology)

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

Julia A. Watkins, Ph.D. (University of South Carolina) Associate Professor, Department of Nutrition and Dietetics

Kristine Webb, Ph.D. (University of New Mexico) Director, Disability Resource Center and Associate Professor, Department of Exceptional Student and Deaf Education

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

Sally Weerts, Ph.D. (University of Minnesota) Assistant Professor, Department of Nutrition and Dietetics

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

Patrick Welsh, Ph.D. (Florida State University) Associate Professor of Engineering and Executive Director of the Advanced Weather Information Systems (AWIS) Laboratory

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

Darren A. Wheeler, Ph.D. (Miami University - Ohio) Assistant Professor, Department of Political Science and Public Administration (American Government and Politics)

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David Whittinghill, Ph.D. (University of Florida) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Mental Health Counseling)

Kenneth T. Wilburn, Ph.D. (Florida State University) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

Sharon T. Wilburn, Ph.D. (University of Florida) Professor, Department of Public Health

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

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

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

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

Carolyn L. Williams, Ph.D. (University of California at Los Angeles) Associate Professor, Department of History

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

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

Kathleen Wittsell, M.A. (University of North Florida) Resident Clinical Faculty, Department of Childhood Education

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

Lauri Wright, Ph.D., R.D., (University of South Florida) Assistant Professor, Department of Nutrition and Dietetics

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

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

Yongan Wu, Ph.D. (University of Oklahoma) Assistant Professor, Department of World Languages

Gregory Wurtz, Ph.D. (University of Technology Troyes - France) Assistant Professor, Department of Physics

Richmond D. Wynn, M.S. (University of North Florida) Instructor, Department of Public Health

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

Guy Yehuda, M.M. (Indiana University) Department of Music (Music)

Lynne-Marie Young, M.Ed. (University of Southwestern Louisiana) Instructor, Department of Athletic Training and Physical Therapy (Athletic Training)

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

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

Ping Ying Zhang, Ph.D. (Norwegian School of Management BI) Assistant Professor, Department of Management

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

Ronald J. Zucker, M.S. (Troy State University in Montgomery) Instructor, School of Computing

## **Emeriti Faculty**

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

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

Richard Bizot, Ph.D. (University of Virginia) Professor Emeritus of English; Distinguished Professor, 1999.

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

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

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

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

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

James B. Crooks, Ph.D. (Johns Hopkins University) Professor Emeritus of History; Distinguished Professor, 1992

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

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

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, 1991

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

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

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

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

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

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

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

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

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

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

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

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

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, 1985

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

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, 1981

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

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

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 Emeritus 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

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

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

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

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

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

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, 1996

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, 1990

Bette J. Soldwedel, Ed.D. (New York University) Professor Emeritus of Education; Distinguished Professor, 1979 (deceased)

Ann H. Stoddard, Ed.D. (University of Georgia) Professor Emeritus of Education

E. Allen Tilley, Ph.D. (University of Iowa) Professor Emeritus of English; Distinguished Professor, 1997

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

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

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

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

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

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

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

William J. Wilson, Ph.D. (Texas A&M University) Professor Emeritus of Statistics;  
Distinguished Professor, 2004

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

Gerson Yessin, Mus.D. (Florida State University) Professor Emeritus and Founding  
Chair, Department of Music; Distinguished Professor, 1986

#### **Naval Science (NROTC) Staff Officers**

Lee A. Steele, M.S.

(P. G. Monterey) Captain, U.S. Navy, Professor of Naval Science

D. Benton Howard, M.S. (P. G. Monterey) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Brent B. Lapp, M.S. (Naval War College) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Ryan Miller, B.S. (Miami University) Captain, USMC, Marine Officer Instructor

John E. Dalton, B.S. (North Carolina State University) Lieutenant, U.S. Navy, Instructor

Peter Bissonnette, B.S. (U. S. Naval Academy) Lieutenant, U.S. Navy, Instructor

Kathleen R. Ehresmann, B.A. (University of Florida) Lieutenant, U.S. Navy, Instructor

Saul S. Pavlinsky, B.S. (Jacksonville University) Lieutenant, U. S. Navy, Instructor



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## Estimated Expenses Per Academic Year

UNF provides an online [cost estimate calculator](#) to provide students with an estimate of out-of-pocket expenses associated with enrolling at the University. The calculator allows students to change multiple variables to reach a total estimated cost. 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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## Estimated Expenses Per Academic Year

UNF provides an online [cost estimate calculator](#) to provide students with an estimate of out-of-pocket expenses associated with enrolling at the University. The calculator allows students to change multiple variables to reach a total estimated cost. 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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## Types of Undergraduate Financial Aid

**Federal Pell Grant:** The Federal Pell Grant is a federal aid program designed to provide financial aid to undergraduate students. Pell Grants are intended to be the "floor" of a financial aid package and may be combined with other forms of aid in order to meet the cost of education. The amount of the grant is determined on the basis of the student's and the family's resources.

**Federal Supplemental Educational Opportunity Grant Program (SEOG):** Federal SEOG grants are federal grants designed to assist undergraduate students demonstrating an exceptional financial need who qualify for a Federal Pell Grant. Award amounts are based on the amount of need and the 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 for a Federal Pell Grant. Students must also demonstrate exceptional financial need and be enrolled full-time (12 hours or more) at UNF. Limited funding is available to eligible applicants enrolled in 6 to 11 hours. Students may apply by completing the Free Application for Federal Student Aid (FAFSA) by our priority deadline of April 1.

**Academic Competitiveness Grant Program (ACG):** An eligible student may receive an Academic Competitiveness Grant (ACG) of \$750 for the first academic year of study and \$1,300 for the second academic year of study. For a list of recognized rigorous programs of secondary school study in your state visit <http://www2.ed.gov/admins/finaid/about/ac-smart/state-programs.html>. To be eligible for each academic year, a student must:

- Be Pell Grant eligible during the same award year
- Be enrolled at least half-time
- Be a first-year or second-year undergraduate student or a student in a certificate program of at least one year in a degree program at a two-year or four-year degree granting institution
- Have completed a rigorous secondary school program of study
- If a first-year student - have completed secondary school after Jan. 1, 2006; not have been enrolled in ACG-eligible program while at or below age of compulsory school attendance
- If a second-year student - have completed secondary school after Jan. 1, 2005, and have at least a 3.0 grade point average as of the end of the first year of undergraduate study

**National SMART Grant Program:** An eligible student may receive a National SMART grant of \$4,000 for each of the third and fourth academic years of study. For a list of National SMART Grant eligible majors, visit [ifap.ed.gov/dpclatters/GEN0809.html](http://ifap.ed.gov/dpclatters/GEN0809.html). To be eligible for each academic year, a student must:

- Be Pell Grant eligible during the same award year
- Be enrolled at least half-time
- Be in the third or fourth year of an undergraduate degree program (or fifth year of a five-year program)
- Be pursuing a major with at least 3.0 cumulative GPA in physical, life, or computing sciences, mathematics, technology, engineering or a critical foreign language; or non-major single liberal arts programs
- Have at least a 3.0 GPA as of the end of the second award year and continue to maintain a 3.0 GPA that must be checked prior to the beginning of each payment



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period (e.g., semester)

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. IMPORTANT REMINDER: If you receive a TEACH Grant but do not complete the required teaching service, as explained above, you will be 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 you must meet the following criteria:

- Complete the Free Application for Federal Student Aid (FAFSA), although you 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 postsecondary educational institution that has chosen to participate in the TEACH Grant Program.
- Be enrolled in course work that is necessary to begin a career in teaching or plan to complete such course work. Such course work 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 (see below for more information on the TEACH Grant Agreement to Serve).

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 \$1500 per academic term.

Federal Stafford Loan Program: A federal loan program supported with dollars from banks and other lending institutions is available to eligible students. There are two types of Federal Stafford Loans. The need-based "subsidized" Federal Stafford Loan and the non need-based "unsubsidized" Federal Stafford Loan.

Federal Subsidized Stafford Loan Program: First-year undergraduate students may borrow up to \$3,500 per academic year. Second-year undergraduate students may borrow up to 4,500 per year. Third and Fourth-year undergraduate students may borrow up to \$5,500 per year. There is an aggregate maximum of \$23,000 for undergraduate studies. Interest rates vary based on federal regulations.

Federal Unsubsidized Stafford Loan: Students who feel that it is necessary to borrow additional funds through the "unsubsidized" Federal Stafford Loan should contact the One Stop Student Services Center for additional information.

Federal Work-Study: The Federal Work-Study Program is a federal program supported with matching funds from UNF. This employment program is designed to assist students by providing employment opportunities and work experience while attending school. Students are paid an hourly rate on a biweekly basis. Students must demonstrate financial need through completion of a FAFSA and be enrolled in at least six credit hours.

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: An appeal is a request for re-evaluation of your offer of financial assistance based upon changes in the circumstances reported on your application for financial aid. If you think some aspect of your financial situation was over-looked during the award process that would affect an evaluation of your need, you are entitled to an appeal. To have your award reevaluated, you should contact the One Stop Student Services. Appeals of financial aid offers will be considered 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 in 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 major.

**Foundation Scholarships:** Foundation scholarships are contributions made to the University from private donors. These awards have specific eligibility requirements and stipulations regarding the awarding and monitoring of the scholarships that 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](#).

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## Types of Undergraduate Financial Aid

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period (e.g., semester)

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## School of Nursing

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

### Program Directors

John P. McDonough, Ed.D., C.R.N.A., Professor & Director, Nurse Anesthetist Program  
Tammy Carroll, M.S.N., C.R.N.A., Instructor & Assistant Director, Nurse Anesthetist Program

<http://www.unf.edu/brooks/nursing/nursing-graduateprograms.html>  
<http://www.unf.edu/brooks/faculty/bchnsfac.html>

### Faculty

Kathaleen C. Bloom, Ph.D., C.N.M., Professor  
Pamela S. Chally, Ph.D., R.N., Professor  
Patrick Monaghan, Ph.D., Professor  
Lucy B. Trice, Ph.D., A.R.N.P., B.C., Professor  
M. Catherine Hough, Ph.D., R.N., Associate Professor  
Barbara Kruger, Ph.D., R.N., Associate Professor  
Jan Meires, Ed.D., A.R.N.P., B. C., 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., Assistant Professor  
Michele Bednarzyk, M.S.N., A.R.N.P., B.C., Senior Instructor  
Jonathon Pabalate, M.S.N., C.R.N.A., Instructor  
Mark Wellaver, M.S., C.R.N.A., Instructor  
Jurgen Osterbrink, Ph.D., R.N.A., Clinical Professor

### Doctor of Nursing Practice

<http://www.unf.edu/brooks/nursing/bchdnp.html>

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 program has admission requirements above and beyond the ones currently required by the University. Admission requirements for the DNP program include:

- Masters degree in nursing from a regionally accredited program and certification in area of clinical practice (N.P., C.R.N.A., Nursing Administration, or C.N.S.).
- Minimum graduate GPA of 3.30.
- Minimum score of 1000 on the GRE (verbal and quantitative combined) or minimum MAT score of 410.
- Negative background check and negative drug screening (required only upon admission).

- Active licensure as a registered nurse or advanced practice registered nurse in the jurisdiction in which one practices.

*A portfolio to include seven items:*

- Current resume or CV
- Statement describing educational preparation
- Description of past clinical experiences, including role and function
- Identification of scholarly endeavors
- Description of professional and community activities
- Statement identifying a clinical question arising from one's current nursing practice environment with regard to something needing change or improvement
- Current nursing license and certification proof
- Three (3) letters of reference, addressing academic ability and clinical skills

## **Master of Science in Nursing**

The School of Nursing offers a Master of Science in Nursing (M.S.N.) with several tracks. The tracks include Primary Care Nurse Practitioner, Clinical Nurse Specialist, Clinical Nurse Leader, and Nurse Anesthetist as well as a R.N.-M.S.N. accelerated track. The School also offers a Family Nurse Practitioner certificate.

### **Primary Care Nurse Practitioner**

[www.unf.edu/brooks/nursing/bchpcnp.html](http://www.unf.edu/brooks/nursing/bchpcnp.html)

The purpose of the MSN program is to prepare primary care nurse practitioners to become skilled in meeting health care needs of individuals and families across the life span. Graduates of the program are eligible to take the family nurse practitioner certification examinations and to apply for licensure as Advanced Registered Nurse Practitioners by the Florida Board of Nursing.

#### **Admission Requirements**

Applicants to the M.S.N. Primary Care Nurse Practitioner program must meet general University requirements for admission to graduate studies. In order to be considered for the Nurse Practitioner track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing from a regionally accredited program, based on AACN's Essentials of Baccalaureate Education
- 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)
- Minimum score of 1000 on the GRE (combined verbal and quantitative sections)
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (last 60+ hours)
- 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)
- Current Licensure as a Registered Nurse in the state of Florida (copy of actual R.N. license)
- Successful completion of Health Assessment, Statistics, and Research Courses within the past 10 years
- Malpractice insurance (photocopy of policy front page, which includes dates and amount of coverage; required only upon admission)
- Clinical references and interview may be requested of the applicant

### **Clinical Nurse Specialist**

[www.unf.edu/brooks/nursing/bchcns.html](http://www.unf.edu/brooks/nursing/bchcns.html)

The purpose of the M.S.N. Clinical Nurse Specialist (C.N.S.) track is to prepare nurses to develop a concentrated area of clinical knowledge and to teach in nursing and health profession programs, health care institutions and agencies, and in the community. The program combines courses from the School of Nursing with some from the College of Education and Human Services to provide a solid foundation in teaching and learning.

#### **Admission Requirements**

Applicants to the M.S.N. Clinical Nurse Specialist program must meet general University requirements for admission to graduate studies. In order to be considered for the Clinical Nurse Specialist track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing from a regionally accredited program, based on AACN's Essentials of Baccalaureate Education
- 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)
- Minimum score of 1000 on the GRE (combined verbal and quantitative sections)
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (last 60+ hours)
- 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)

- Current Licensure as a Registered Nurse in the state of Florida (copy of actual R.N. license)
- Successful completion of Health Assessment, Statistics, and Research Courses within the past 10 years
- Malpractice insurance (photocopy of policy front page, which includes dates and amount of coverage: required only upon admission)
- Clinical references and interview may be requested of the applicant

### Clinical Nurse Leader

[www.unf.edu/brooks/nursing/bchcnl.html](http://www.unf.edu/brooks/nursing/bchcnl.html)

The purpose of the M.S.N. Clinical Nurse Leader (C.N.L.) track is to prepare nurses at the graduate level to be leaders across all settings in which health care is delivered. The C.N.L. is a provider and manager of care at the point of care to individuals and cohorts or populations. The C.N.L. designs, implements, and evaluates care by coordinating, delegating, and supervising the care provided by the health care team. The Nursing Program is fully accredited by the Commission on Collegiate Nursing Education and approved by the Florida Board of Nursing. The C.N.L. is a generalist in contrast to the specialized focus of the practice by clinical nurse specialists and nurse practitioners. The C.N.L. oversees the care coordination of a distinct group of patients and actively provides direct patient care in complex situations. This Clinician puts evidence-based practice into action to ensure that patients benefit from the latest innovations in care delivery. The C.N.L. collects and evaluates patient outcomes, assesses cohort risk, and has the decision-making authority to change care plans when necessary. This Clinician functions as part of an interdisciplinary team by communicating, planning, and implementing care directly with other health care professionals, including physicians, pharmacists, social workers, clinical nurse specialists and nurse practitioners.

#### Admission Requirements

Applicants to the M.S.N. Clinical Nurse Specialist program must meet general University requirements for admission to graduate studies. In order to be considered for the Clinical Nurse Leader track, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing from a regionally accredited program, based on AACN's Essentials of Baccalaureate Education
- 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)
- Minimum score of 1000 on the GRE (combined verbal and quantitative sections)
- Minimum GPA of 3.0 on a 4.0 scale from undergraduate nursing major (last 60+ hours)
- 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)
- Current Licensure as a Registered Nurse in the state of Florida (copy of actual R.N. license)
- Successful completion of Health Assessment, Statistics, and Research Courses within the past 10 years
- Malpractice insurance (photocopy of policy front page, which includes dates and amount of coverage; required only upon admission)
- Clinical references and interview may be requested of the applicant

### Nurse Anesthetist

[www.unf.edu/brooks/nursing/bचना.html](http://www.unf.edu/brooks/nursing/bचना.html)

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.

#### Admission Requirements

This is a limited and competitive admissions program, and it is expected that the number of applicants will exceed the available positions. Application materials will be reviewed by the admissions committee, and those selected for interview will be invited. Applicants to the M.S.N. Nurse Anesthetist program must meet general University requirements for admission to graduate studies. In order to be considered for the M.S.N. Nurse Anesthetist program, the interested applicant must meet these additional requirements:

- Bachelor of Science in Nursing from a regionally accredited program, based on AACN's Essentials of Baccalaureate Education (or other appropriate discipline from an accredited institution).
- A minimum of one year experience as a Registered Nurse in an acute care setting.
- Admission to the graduate nursing program.
- Minimum score of 1000 on GRE (combined verbal and quantitative).
- Written statement of academic and professional goals.
- Minimum GPA of 3.0 on 4.0 scale from undergraduate nursing major (last 60+ hours).
- Current licensure as a Registered Nurse in Florida.

- Successful completion of Health Assessment, Statistics, and Research courses.
- References and interview will be required.

Note: R.N.s who have a baccalaureate degree in a discipline other than nursing may also be eligible for admission through the M.S.N. 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.

### **R.N.-M.S.N. Accelerated Track**

[www.unf.edu/brooks/nursing/bchrnmsn.html](http://www.unf.edu/brooks/nursing/bchrnmsn.html)

The purpose of the R.N.-M.S.N. track is to allow carefully selected registered nurses who do not possess a B.S.N. to fast-track into the M.S.N. program in order to become primary care nurse practitioners. As in the B.S.N.-M.S.N. track, graduates will be skilled in meeting health care needs of individuals and families across the life span. Graduates of the program are eligible to take the family nurse practitioner certification examinations and to apply for licensure as Advanced Registered Nurse Practitioners by the Florida Board of Nursing.

#### **Admission Requirements**

Applicants to the M.S.N. R.N.-M.S.N. Accelerated Track must meet general University requirements for admission to graduate studies and all admission requirements for the R.N.-B.S.N. track. In order to be considered for the R.N.-M.S.N. track, the interested applicant must meet these additional requirements:

- 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)
- Minimum score of 1000 on the GRE (combined verbal and quantitative sections); score of at least 3 out of 5 on GRE written sample test
- Minimum overall GPA of 3.2 on a 4.0 scale and a "C" or better in each undergraduate nursing prerequisite
- Completion of university foreign language requirement
- 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)
- Current Licensure as a Registered Nurse in the state of Florida (copy of actual R.N. license)
- Academic and clinical references (one each)
- Malpractice insurance (photocopy of policy front page, which includes dates and amount of coverage: required only upon admission)

### **The Family Nurse Practitioner Certificate Program**

[www.unf.edu/brooks/nursing/nursing-certificateprograms.html](http://www.unf.edu/brooks/nursing/nursing-certificateprograms.html)

This program 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.

#### **Admission Requirements**

- Master's degree in nursing from a regionally accredited program
- Minimum GPA of 3.5 on a 4.0 scale in the master's program
- Current licensure as a Registered Nurse in the state of Florida (copy of actual R.N. license)
- 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 10 years
- Malpractice insurance (photocopy of policy front page, which includes dates and amount of coverage; required only upon admission)
- Clinical references and interview may be required

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## Department of Public Health

JoAnn Nolin, J.D., R.N., Associate Professor & Chair

### Program Directors

Kerry L. Clark, Ph.D., Associate Professor & Director, Public Health Program  
D. Robert Haley, Ph.D., Assistant Professor & Director, Health Administration Program  
JoAnn Nolin, J.D., R.N., Associate Professor & Director, Geriatric Management Program  
David Whittinghill, Ph.D., Associate Professor & Director, Mental Health Counseling Program

### Faculty

Cynthia Battie, Ph.D., Professor  
Judy Perkin, Ph.D, R.D., CHES, Professor  
Sharon Wilburn, Ph.D., Professor  
Elissa Barr, Ph.D., CHES, Associate Professor  
Jeffrey Harrison, Ph.D., Associate Professor  
Michele Moore, Ph.D., CHES, Associate Professor  
Cynthia Scott, Ph.D., Associate Professor  
Mei Zhao, Ph.D., Associate Professor  
Shunda Brown, Ph.D., Assistant Professor  
Lei-Shih Chen, Ph.D., Assistant Professor  
Gerald Colvin, Ph.D, Assistant Professor  
Donald Hutton, M.B.A., Executive-in-Residence

### Master of Health Administration

[www.unf.edu/brooks/public-health/bchmha.html](http://www.unf.edu/brooks/public-health/bchmha.html)

UNF's Health Administration Program 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 that provide students with knowledge and skills essential for entry-level management roles or for advancement in established health care careers.

#### 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 all 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:

1. 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.
2. Resume: Education and work background; honors; memberships in professional, school, and service organizations; etc.
3. Letters of recommendation: Two letters of recommendation using the MHA Recommendation for Graduate Study form.
4. 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.

5. Graduate Record Examination (GRE) score of at least 1000; or a minimum 20 verbal and 22 Quantitative score on the Graduate Management Admission Test (GMAT) and a 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).
6. 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).

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.

## Master of Public Health Program

[www.unf.edu/brooks/public-health/bchmph.html](http://www.unf.edu/brooks/public-health/bchmph.html)

The mission of the MPH Program at the University of North Florida (UNF) is to prepare public health professionals who have the knowledge and skills necessary for careers aimed at improving the health of diverse populations. This mission is accomplished through excellence and innovation in graduate teaching and public health research, and a commitment to community and professional service that promotes healthy populations. The M.P.H. program requires the completion of courses in the traditional core public health content areas as well as in the concentration area of health promotion and education. The M.P.H. degree requires the successful completion of 48 credits, including a capstone practice experience and comprehensive examination.

### Admissions Process

Program admissions are handled initially by the UNF Graduate School. The UNF MPH Program considers applications for admission of new students for the fall term of each year; the program awards admission to new students based upon availability of openings. The following information must be submitted to the UNF Graduate School by the published deadline:

- Graduate student application (available at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies))
- Appropriate application fee (unless a current or former UNF degree seeking student)
- Official transcripts from all colleges and universities attended
- Official GRE score taken within the past 5 years (required for all students)
- A current curriculum vita or resume
- A brief (1 to 2 page) typewritten statement of interest that discusses the student's purpose for obtaining the M.P.H., along with a description of career goals and how obtaining the M.P.H. degree will enable the student to reach the stated goals
- Statement of intention to pursue the degree and take classes according to either the Part-Time or the Full-Time Recommended Course Sequence listed in the M.P.H. Student Handbook

*NOTE: Please submit only the documents requested above; other documents will not be evaluated.*

### Admission Criteria

Minimum admissions requirements for the M.P.H. Program are listed below. Each student shall:

- Meet all requirements for admission to graduate programs established by the State University System (state-mandated admissions requirements) and UNF PLUS the M.P.H. program-specific criteria to include all of the following:
  - GPA of 3.0 on 4.0 scale or higher on all work attempted as an upper division undergraduate student (normally the last 60 hours) and any graduate level work or degree.
  - GRE taken within the past five years with a minimum combined score of 1000 on the verbal and quantitative sections, and a minimum of 400 on each individual section. GRE scores are mandatory and must be received prior to being fully admitted into the graduate program.
- Students who can demonstrate an acceptable official GRE score that is older than 5 years that is documented on an official transcript may be able to waive the requirement for a GRE score within the past 5 years at the discretion of the program director and program faculty.
- Post-Baccalaureate Courses: A person who does not wish to seek a degree may apply for post-baccalaureate status but must still meet program specific admissions requirements to take M.P.H. Program courses. In addition, the person must receive prior approval and electronic permission from the program director to take M.P.H. courses.
- Specific admissions requirements for international students are outlined in the UNF Graduate Catalog. According to policy, international students must demonstrate adequate personal financial support necessary for pursuing and completing the degree prior to beginning the program.



*NOTE: Any student who applies for admission into the M.P.H. program must meet the minimum requirements listed above to be considered for admission. Meeting the minimum requirements alone does not guarantee admission into the program for any specific academic term. Admission is awarded on a competitive basis to those meeting the minimum criteria upon consideration of the required application information, and based upon availability of openings for new students.*

## **Master of Science in Health (Specialization in Geriatric Management)**

The Geriatric Management program is designed to meet the educational needs of individuals desiring to work in the area of aging services. Additionally, the program focuses on preparation of students wishing to pursue careers as nursing home administrators. The program curriculum has been designed to meet the educational and internship requirements of the Florida Board of Nursing Home Administrators for eligibility for admission to the Nursing Home Administrator Licensure Examination.

### 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.

Each applicant must submit the following:

1. Personal Statement: This is a brief essay (2-3 pages) outlining one's reasons for pursuing graduate education in Geriatric Management.
2. Resume: Education and work background; honors; memberships in professional, school, and service organizations; etc.
3. Undergraduate Transcripts: An official transcript, indicating graduation from a regionally accredited college or university in this country or a recognized university abroad, is required.
4. 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 850 on the GRE.

## **Mental Health Counseling Program**

[www.unf.edu/brooks/public-health/mhcp/](http://www.unf.edu/brooks/public-health/mhcp/)

The Master of Mental Health 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 (L.M.H.C.) in the state of Florida.

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## Department of Clinical & Applied Movement Sciences

A. Russell (Rusty) Smith, Jr., Ed.D., P.T., O.C.S., Associate Professor & Chair

### Doctor of Physical Therapy

Ann C. Noonan, Ed.D., P.T., A.C.C.E., Associate Professor & Director, Physical Therapy Program

### Faculty

Rose Marie Rine, Ph.D., P.T., Associate Professor, Physical Therapy Program  
Chitra K. Balasubramainian, Ph.D., Assistant Professor, Physical Therapy Program  
Bevin Livingston, Ph.D., P.T., A.T.C., Assistant Professor, Physical Therapy Program  
W. Allen Moore, Jr., Ph.D., Assistant Professor, Physical Therapy Program  
Dawn Saracino, D.P.T., Instructor, Physical Therapy Program

### [Clinical and Applied Movement Website](#)

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

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## Department of Nutrition & Dietetics

Catherine Christie, Ph.D., R.D., L.D./N., F.A.D.A., Associate Professor & Chair

### Program Directors

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

Lauri Wright, Ph.D., R.D., Assistant Professor & Dietetic Internship Program Director

### Faculty

Judy Perkin, Ph.D, R.D., L.D., CHES, Professor

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

Julia Watkins, Ph.D., Associate Professor

Nancy Correa-Matos, Ph.D., R.D., L.D./N., Assistant Professor

Sally Weerts, Ph.D., R.D., Assistant Professor

[Department of Nutrition and Dietetics' website](#)

The Department of Nutrition and Dietetics offers a Master of Science in Health with a major in Nutrition with three options. This specialization is 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 41-credit-hour program. The first option, M.S.H./Nutrition thesis, allows students to pursue an independent research project as a culminating experience in their master's program. The second option, M.S.H./Nutrition non-thesis program, allows students to complete 12 pre-approved credits through a series of project, field experience, and independent study courses. These two options are designed for registered dietitians who wish to pursue graduate training with an emphasis in clinical or community dietetics. If the undergraduate degree is not in nutrition or dietetics, it is recommended that students apply for a second bachelor's degree to meet prerequisite requirements. Persons with a bachelor's in nutrition or dietetics that is older than seven years will receive a course-by-course evaluation to determine needed prerequisites after application is made to the program. The third option, M.S.H. Nutrition/Internship, enables graduates from CADE 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. For more information about admission requirements, visit [www.unf.edu/brooks/nutrition/mshnutrition.html](http://www.unf.edu/brooks/nutrition/mshnutrition.html)

The dietetic Internship at the University of North Florida has been granted Accreditation by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (312) 899-0040, ext. 5400.

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.

### Degree: Master of Science In Health- Nutrition

<http://www.unf.edu/brooks/nutrition/mshnutrition.html>

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## Master of Business Administration Degree Program

The mission of the Master of Business Administration 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
- Finance
- Human Resource Management
- International Business
- Logistics
- Management Applications

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## Master of Accountancy Degree Program

The Accounting degree programs are separately accredited by The International Association for Management Education (AACSB). In accounting, approximately 170 institutions have achieved AACSB accreditation at various degree levels. The University of North Florida's Accounting Programs are among the best in the nation in preparing students to successfully take the Uniform CPA examination. UNF students have consistently ranked highly in terms of the percentage of first-time candidates without advanced degrees passing all sections of the examination.

The objectives of the Master of Accountancy (M.Acc.) program are:

1. To attract and retain students from diverse backgrounds with appropriate accounting undergraduate backgrounds and the abilities necessary for graduate study and subsequent success in the accounting profession.
2. To provide an opportunity to pursue concentrations in financial accounting or taxation.
3. To enhance the 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 in accounting and taxation.
6. To encourage students to become active in professional organizations in accounting and taxation.
7. To maintain an AACSB accredited M.Acc. program.
8. To prepare students to enter quality doctoral programs.
9. To provide internship and field experience opportunities to students.
10. To provide students the opportunity to work with faculty on research projects.
11. To provide students opportunities for international travel and study.

The increasingly complex nature of the accounting and controllership functions, as well as the growing responsibilities of the accountant, makes graduate study desirable. The Coggin College of Business provides a professionally oriented Master of Accountancy degree which enables career advancement in the accounting profession and the additional accounting course work necessary to take the uniform CPA examination under Florida's accountancy law. The objective of the curriculum leading to the Master of Accountancy (M.Acc.) 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.

The M.Acc. program at UNF places utmost importance on reflecting accounting as a modern profession and the accountant as a modern professional. Emphasis is given to how accountants relate theory to current problems and how accountants communicate such information to the various users of accounting data.

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 M.Acc. in three to four semesters. Those who possess a baccalaureate degree in business administration or in some other discipline will be required to take foundation courses and undergraduate accounting courses to remove any deficiencies.





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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 environments in each country. All instruction is in English.

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## Study Abroad Opportunities

The Coggin College of Business provides its students with opportunities to experience firsthand the international aspects of business. Therefore, the College has set up student and faculty exchange agreements with institutions of higher learning throughout the world. The College's current exchange partners include the following:

- AUT University (Auckland, New Zealand)
- Beijing International Studies University (Beijing, China)
- Dongbei University of Finance and Economics (Dalian, China)
- EUROMED (Marseilles, France)
- ESC-Rennes (Rennes, France)
- ESCM (Poitiers and Tours, France)
- ESG-Paris (Paris, France)
- European Business School (Paris, France)
- Cologne University of Applied Science (Cologne, Germany)
- Göteborg University (Göteborg, Sweden)
- University of Alicante (Alicante, Spain)
- Universidad Austral (Rosario, Argentina)
- Universidad Mayor (Santiago, Chile)
- Universidad de Montevideo (Montevideo, Uruguay)
- University Rey Juan Carlos (Madrid, Spain)
- Warsaw University (Warsaw, Poland)
- Catholic University of Louvain (Louvain-la-Neuve, Belgium)
- Otto-Friedrich University - Bamberg (Bamberg, Germany)
- Dortmund University of Applied Sciences (Dortmund, Germany)
- University of Cooperative Education (Bad Mergetheim, Germany)

Students may choose to study at one or more of these institutions for a semester. At some institutions, students may take courses in English; at others, students must be fluent in a foreign language to attend. Students participating in these exchanges sign up for UNF courses and pay their usual tuition to UNF. Credits earned count in the student's degree program at UNF. Graduate students are reminded, however, that they must complete 24 hours of graduate-level classes on the UNF campus to receive a UNF graduate degree, with the exception of the GlobalMBA.

The Coggin College of Business also offers short-term, faculty-led study abroad courses for credit. Typically, the College offers at least one such course during spring break and several such courses during each summer. These courses allow students to experience the culture and business practices of another nation directly, through lectures from university faculty, business visits, and discussions with social and political leaders.

An MBA student may use a maximum of ONE short-term study abroad course in his/her program where permitted.

In some degree programs, students may also be eligible to complete internships abroad for course credit.

Detailed information about exchange and study abroad opportunities is available through the *Study Abroad* links at [www.unf.edu/coggin/intlbus/](http://www.unf.edu/coggin/intlbus/).

### **Coggin College Policy on Use of International Academic Experiences in Graduate Programs of Study**

The Coggin College of Business allows its students to use in their programs of study the following three types of international academic experiences:

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1. Coggin-sponsored Faculty-led Study Abroad Courses, which include international travel and business visits as an integral part of a larger course that focuses on business issues.
2. Non-Coggin Faculty-led Study Abroad Courses (i.e., those sponsored by other UNF colleges), which include international travel as an integral part of a larger course that focuses on non-business issues.
3. Student Exchange Programs, which provide students with the opportunity to take courses at foreign institutions. Most student exchanges are one or two semesters in duration.

Use of International Experience Credits in Program of Study by Graduate Students: In all cases, the student and his/her advisor must agree in writing regarding how exchange credits will be used *before* the student begins the study abroad or exchange experience.

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### International Business Certificate (IBC)

The International Business Certificate (IBC) provides graduate students in business with a solid foundation in both the theory and practice of international business. Because of the nature of international, as opposed to domestic U.S. business, the IBC emphasizes cultural, geographic, information technology and legal issues, as well as those in the more traditional disciplines of economics, marketing, management, logistics, and finance. The IBC consists of fifteen credit hours of integrated coursework. Required courses constitute twelve credit hours. Each student also selects three credits of electives. A study tour that provides students with a two-week faculty-supervised international experience is included as a highly-recommended elective. During a study tour, students and faculty members travel abroad to learn first-hand about the culture and people of that country. Study tours also include several in-firm visits, allowing students to investigate the differences between American and foreign business practices.

Who should take the certificate programs?

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 and international business certificate program offerings. Each of the e-Business and international 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 and/or international business certificate and perhaps ultimately the MBA.

### Certificate in e-Business (CeB)

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.

Who should take the certificate programs?

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 and international business certificate program offerings. Each of the e-Business and international 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 and/or international business certificate and perhaps ultimately the MBA.

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## Osprey Financial Group (OFG)

Osprey Financial Group is comprised of undergraduate and graduate students who invest a portion of the assets of the UNF Foundation in a diversified, actively managed portfolio of equity and fixed income securities. The principal is from a gift to the Foundation from Jody and Layton Smith expressly for the purpose of enabling a special group of students to manage a \$500,000 portion of the endowment. Due to the success of OFG's investment decisions, the original half-million dollar gift has grown to about \$750,000.

The course is organized like a professionally managed fund and students are assigned officer positions and sector responsibilities. The assets managed by OFG are invested in securities that comply with the guidelines for equity and fixed income securities contained in the University of North Florida Foundation, Inc. Statement of Investment Policies and Objectives. Within those parameters, each edition of OFG has the flexibility to establish an investment philosophy involving market capitalization, sector weights, and value and growth components. Quarterly reports of performance are prepared and presented to the UNF Investment Committee.

OFG is a two-semester sequence of courses providing a maximum of six credits. Students are required to apply to be participants. A maximum of 12 students is selected, and they comprise the class for both semesters. Eligible undergraduate students are majors in either finance or financial services. Eligible graduate students are enrolled in the MBA program and possess experience in personal or professional investing.

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## Policies & Procedures

### Required GPA

Students graduating with a graduate degree or graduate certificate from the Coggin College of Business must have a minimum of 3.0 GPA in all course work taken at the graduate level. All students are required to have a minimum 3.0 GPA prior to enrolling in MAN 6726 Advanced Business Policy.

### Probation/Suspension Policy

If a graduate student's current term 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.

### 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.

### 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 credit hours of directed independent studies may be counted toward graduation requirements. All directed independent studies require prior approval by the instructor and the graduate program director.

### 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

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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.

#### **Additional Policies & Procedures**

This website does not encompass all policies and procedures for the graduate programs in the Coggin College of Business. Please contact an academic advisor for clarification or additional information.

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## Coggin College of Business

### Dean's Office

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### Graduate Faculty

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*GlobalMBA*

Ronald J. Adams, Ph.D., Professor Emeritus  
H. Eugene Baker III, Ph.D., Professor  
Thomas L. Barton, Ph.D., CPA, Professor & Kathryn and Richard Kip  
Professor of Accounting  
Homer L. Bates, Ph.D., CPA, Professor  
Tim Bell, Ph.D., CPA, Professor, Coggin Distinguished Professor Accounting  
Charles H. Calhoun, Ph.D., CPA, Professor & Chair  
B. Jay Coleman, Ph.D., Professor, Richard Kip Professor of Operations  
Management & Quantitative Methods  
Adel I. El-Ansary, Ph.D., Professor, Donna L. Harper Professor of Marketing  
Bruce Fortado, Ph.D., Professor  
Robert Frankel, Ph.D., Professor & Kip Professor of Marketing/Logistics  
Greg Gundlach, Ph.D., J.D., Professor & Coggin Distinguished Professor of Marketing  
C. Bruce Kavan, Ph.D., Professor & Chair, Bank of America Professor  
of Information Technology  
Reinhold Lamb, Ph.D., Professor & Smith Professor of Finance  
John B. MacArthur, Ph.D., FCCA, Professor & Kathryn and Richard Kip  
Professor of Accounting  
Paul M. Mason, Ph.D., Professor & Chair, Richard de Raismes Kip Professor of  
Economics  
John P. McAllister, Ph.D., CPA, Professor of Accounting & Dean  
Jeffrey E. Michelman, Ph.D., CPA, CMA, Professor & Director, International Business  
Flagship Program  
Steven K. Paulson, Ph.D., Professor, Blanche and Luther Coggin Professor of  
Management  
A. Coskun Samli, Ph.D., Research Professor  
Jeffrey W. Steagall, Ph.D., Professor, Richard de Raismes Kip Professor of  
International Business  
M. Reza Vaghefi, Ph.D., Professor Emeritus  
Cheryl A. Van Deusen, Ph.D., CHA, CHE, Professor

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Louis A. Woods, Ph.D., Professor  
Harriet A. Stranahan, Ph.D., Professor  
Parvez Ahmed, Ph.D., Associate Professor  
Mina N. Baliamoune-Lutz, Ph.D., Associate Professor  
Yemisi A Bolumole, Ph.D., CTL, Associate Professor & Kip Faculty Fellow  
Sharon C. Cobb, Ph.D., Associate Professor  
Paul A. Fadil, Ph.D., Associate Professor & Director, MBA Program  
Cheryl J. Frohlich, Ph.D., Associate Professor  
Andrés Alberto Gallo, Ph.D., Associate Professor , Kip Faculty Fellow & Director,  
International Business Flagship Program  
David G. Jaeger, JD, Associate Professor  
John E. McEldowney, DBA, CPA, CIA, Associate Professor  
Dag Näslund, Ph.D., Associate Professor  
Crystal L. Owen, Ph.D., Associate Professor  
Sidney B. Rosenberg, Ph.D., Associate Professor & William F. Sheffield  
Professor of Real Estate  
Oliver Schnusenberg, Ph.D., Associate Professor & Kip Faculty Fellow  
Robert W. Schupp, JD, Associate Professor  
Bobby Waldrup, Ph.D., Associate Professor & Associate Dean  
Steven A. Williamson, DBA, Associate Professor & Director, PAPER Institute and  
Institute of Management Development & Organizational Quality  
Christopher Johnson, Ph.D., Associate Professor  
Lynn Comer-Jones, Ph.D., CPA, Associate Professor  
Antony Paulraj, DBA, Associate Professor  
John Adams, Ph.D., Assistant Professor  
Lian An, Ph.D., Assistant Professor  
Mary Beal, Ph.D., Visiting Assistant Professor  
Youngtae Choi, Ph.D., Assistant Professor  
Pieter de Jong, Ph.D., Assistant Professor  
Reham Eltantawy, Ph.D., Assistant Professor  
Saurabh Gupta, Ph.D., Assistant Professor  
Rahul W. Kale, Ph.D., Assistant Professor  
Chung-Ping Loh, Ph.D., Assistant Professor  
Rujikorn "Robert" Pavasuthipaisit, Ph.D., Assistant Professor  
Robert Slater, Ph.D., Assistant Professor  
Ping Ying, Zhang, Ph.D., Assistant Professor  
Lakshmi Goel, Ph.D., Assistant Professor

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## Master of Arts 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. It is expected that the M.A. biology degree program will enhance the understanding of the scientific process among secondary school teachers and environmental professional in northeast Florida. This will result in improved science education for secondary school students and improved management of environmental resources.

### Admission

Applicants must submit all required documentation to the Graduate School at UNF by the published deadline.

1. Applicant must hold the B.A. or B.S. in biology, science education or equivalent degree from a regionally accredited university or institution. For students who do not hold a B.A. or B.S. in biology, the following courses are required for admission:

- BSC 1010C General Biology I
- BSC 1011C General Biology II
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry Lab
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab
- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I lab

Either MAC 2241 4.0 G(M) Calculus for Biology

-or-

STA 2014 G(M) Elementary Statistics for Health and Social Sciences

Plus at least 16 additional credit hours in biology electives.

1. Official undergraduate transcripts from all institutions attended: Minimum undergraduate GPA of 3.0 for the last 60 credits of undergraduate study is required for admission to the program.
2. Official GRE scores: Minimum score (combined verbal and quantitative) of 1000 is required for admission to the program.
3. Official TOEFL scores for students for whom English is not their primary language: Minimum score of 570 is required for admission to the program.
4. A letter formally requesting admission to the program. The letter should briefly address the following:
  - o a. career goals including areas of interest (i.e.)
  - o b. relevant educational and employment experience
5. Three letters of recommendation from references who are able to comment on the applicant's academic attributes as well as the applicant's ability to successfully complete an advanced program of study in biology.

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 Science in Criminal Justice

Criminal Justice education is one of the most rapidly emerging disciplines in higher education today. The problem of crime has become a major national concern, generating wide recognition that highly educated professionals are needed to work in the various agencies and institutions which respond to this problem. Careers in the field increasingly require advanced degrees or other professional development.

The Master of Science in Criminal Justice (M.S.C.J.) at UNF provides an opportunity for advanced academic work in this expanding field of study. As a discipline, 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 graduate program at UNF builds upon the unifying multidisciplinary nature of the field it seeks to address.

Furthermore, the program at UNF is vitally concerned with theory, practice and research, based on the firm conviction that none of these can stand alone. Sound practice requires a strong theoretical and research base, while advances in theory and research arise from the realities of practice. The M.S.C.J. program emphasizes the acquisition of professional skills that will permit students to keep abreast of new theory, research and practice in the field long after they have completed their formal studies.

### Program Prerequisites

Students entering into advanced study at the graduate level are expected to be familiar with the basics of the discipline. Prerequisite requirements for the M.S.C.J. include successful completion of courses in both (1) undergraduate statistics or social science research methods, and (2) undergraduate criminological theory, or their equivalents.

Students with limited background in criminal justice are encouraged to apply to the M.S.C.J., but will be expected to prepare for advanced M.S.C.J. courses upon entering the program. Students must complete any needed prerequisites within the first nine credit hours of graduate course work.

### Co-requisite Requirements

Students admitted to the M.S.C.J. program lacking computer literacy will be required to complete an appropriate graduate computer literacy course as designated by the faculty.

Students admitted to the M.S.C.J. program lacking undergraduate course work in criminal law or criminal justice systems are required to complete the graduate course in "Criminal Law and Procedure in Criminal Justice Systems." Students needing one or both co-requisites may complete these requirements as part of their elective hours.

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## Master of Arts in English

### Greetings

The Department of English welcomes your interest and participation in our graduate program. We accept full-time and part-time students year round and invite you to apply for admission beginning in any semester — fall, spring, summer A or summer B.

### The Value of an M.A. in English

Focusing on the analysis and appreciation of literary texts, the program provides students the opportunity to develop their analytic, interpretive, and writing skills; offers English teachers the chance to explore new pedagogical strategies; supports aspiring writers in their creative endeavors; and helps prepare students who intend to pursue the Ph.D. in English for the challenges of advanced graduate work.

### Employment Prospects

In addition to offering one of the supreme human enjoyments, the study of literature enables students to enhance the ability most critical for success in an information-based economy — the ability to communicate well. Many graduates of our program are teaching in public schools or at community colleges. Others have found or created jobs for themselves in law, television and radio production, journalism, advertising, marketing, technical writing, editing, trade publishing, bookstore management, corporate in-house education and training, consulting, university admissions, public relations, fund raising, script writing, and more. There will always be employment opportunities for people who can read critically, analyze quickly and accurately, translate their ideas in ways others can readily grasp, and write clearly.

### Overview of the M.A. in English Program

(34 Credits)

The program entails 11 courses (33 credit hours) and an M.A. exam (one credit hour).

### Literature Courses

The literature courses focus on the analysis of poetry, drama, fiction, film, and other kinds of texts, including biography and memoir; on developing a critical vocabulary for describing the complexities of literary texts; on understanding the nature of literary conventions; on exploring the different traditions in British, American, and world literature; and on investigating developments in and the value of contemporary literary theory.

### Composition and Rhetoric Courses:

Students may take up to four courses in composition and rhetoric. These courses focus on contemporary composition theory as a field of research and study, on sentence and paragraph development, rhetorical genres, assignment design, and essay evaluation, and on recognizing the sources of grammatical and rhetorical problems. These courses provide basic preparation for teaching writing and for professional and technical writing.

### Creative Writing Courses:

Students may take up to two creative writing — workshop — courses, in which they have opportunities to receive critiques of their creative work.

### Teaching Practicum and Independent Study Courses:

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Students who would like college-level classroom teaching experience or who wish to pursue a course of independent study may do so by seeking out faculty members willing to direct them.

### **Creative Writing Thesis Option**

(37 Credits)

The program offers students the opportunity to write a creative thesis. Student who wish to do so are obliged, in the process of meeting the program requirement of 33 credits of course work, to

- a. take six credits of fiction, poetry, or other creative writing seminars or workshops and
- b. receive approval of the creative writing faculty to enroll in ENG 6971 - Thesis (three credits).

### **Linguistics Prerequisite**

Students must have an upper division general linguistics or history of the English language course with a grade of "C" or better. This course may be taken either before or after entering the M.A. in English program. This course does not count toward completion at the 6000 level, the remaining four three-semester-hour courses may be completed at either the 5000 or 6000 level.

1. LIT 6246 or the equivalent - Major Authors.
2. ENG 6018- History of Literary Criticism & Theory or ENG 6019 - Contemporary Literary Criticism & Theory.
3. At least two British Literature courses.\*
4. At least two American Literature courses.\*
5. At least two courses before 1800.\*
6. At least two courses after 1800.\*
7. ENG 6955 - M.A. Exam (one semester hours; pass/fail)

\*A course may satisfy more than one requirement. For example, LIT 6246 - Shakespeare would satisfy the major author requirement and would satisfy both as one of the two required British literature courses and as one of the two pre-1800 courses.

Program Options: ENG 6971 - Thesis (pass/fail). A literature thesis will count as one of the required 11 three-credit-hour courses. A creative writing thesis is in addition to the 11 courses.

Grade Point Average (GPA): All students must maintain a GPA of 3.0 or above. Grades lower than 2.70 will not count toward completion of the program but will be included in the GPA.

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## Master of Arts in History

The Department of History offers a Master of Arts in History, with fields of concentration in European or U.S. history. Both concentrations offer students a choice of either the traditional thesis option or a non-thesis option.

The thesis option requires a minimum of 30 credits of graduate course work and completion and defense of the thesis. Course work will include:

1. at least 12 credits in the field of concentration;
2. at least 12 credits of history courses outside the field of concentration;
3. at least six credits and no more than 15 credits of HIS 6970 Master's Thesis Research.

Students choosing the thesis option must demonstrate reading knowledge of one foreign language and complete a statistics course.

The non-thesis option requires a minimum of 39 credits of graduate history course work. Students choosing the non-thesis option will:

1. substitute nine additional graduate-level history credits for a thesis;
2. submit two seminar or research papers to two different faculty supervisors;
3. pass a written comprehensive examination;
4. satisfy either the foreign language and statistics requirement or complete a six credit hour minor in another discipline.

Students may not take a 5000 level survey course for graduate credit if they took that course at the undergraduate level. Students may not choose between thesis and non-thesis options until they have completed two 6000-level seminars. Regardless of the option, only a total of three courses from the categories Directed Readings and/or Independent Studies may be included in the graduate program of study. Thesis and non-thesis students shall take no more than four graduate history courses with one faculty member. This does not include thesis students' continuous registration in Master's Thesis Research.

Graduate students are expected to maintain at least a 3.0 average, and no student may be awarded a master's degree unless the graduate average is "B" or higher.

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[Master of Arts in Biology](#) > [Master of Science in Criminal Justice](#) > [Master of Arts in English](#) > [Master of Arts in History](#) > [Master of Science in Mathematical Sciences](#)

## Master of Science in Mathematical Sciences

Corresponding to the undergraduate mathematics and statistics programs, the degree program leading to a Master of Science in Mathematical Sciences is interdisciplinary, emphasizing the interrelationships among the disciplines represented. In addition to examining topics from each area of mathematics and statistics, the student will select an area of concentration from one of these disciplines. The program is designed to provide the graduate with an understanding of the utility of the mathematical sciences, and to present the theory needed to make those applications meaningful.

### Admission

In addition to satisfying general UNF criteria for admission into a graduate program, students wishing to enter the mathematical sciences master's degree program must present GRE scores and must have completed the equivalent of an undergraduate degree program in the Department of Mathematics and Statistics at UNF. Applicants are expected to have an undergraduate GPA of at least 3.0 for the last 60 credits of undergraduate study and a minimum combined verbal and quantitative score of 1000 on the GRE with at least a score of 600 on the quantitative portion. Otherwise qualified students not satisfying the latter condition may be admitted after arranging with the graduate program director for a plan that will remove the deficiencies.

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

### Thesis or Examination Requirement

Students who select the thesis option must successfully defend it once it is completed. Students who select the exam option must pass a comprehensive exam and give an oral presentation on an approved topic.

[Master of Science in Mathematical Sciences](#)

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### ARTS & SCIENCES

Biology

Criminology and Criminal Justice

English

History

Mathematics & Statistics

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Political Sciences & Public Administration

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## Master of Arts in Practical Philosophy and Applied Ethics

The Master of Arts (M.A.) in Practical Philosophy and Applied Ethics fosters application of ethical and philosophical knowledge to concerns in social, political, economic, and cultural life. Its primary objective is to offer practically oriented but philosophically grounded expertise in ethics and normative theory generally. The program provides the training in the ethical decision-making, cultural understanding, and analytic reasoning needed to address the dilemmas that increasingly confront present and future professionals and policy makers as well as citizens generally. It also provides an excellent foundation for further graduate studies in philosophy. Two options are offered for meeting the M.A. requirements: a thesis option, recommended for students wishing to pursue a career in teaching, further graduate study, or specific training in the articulation of applied philosophy; and an internship option, which provides opportunity for immediate work in public and professional life. Both options are designed to ensure that graduates have a command of the basic disciplines of philosophy and a specialized knowledge of their applications in medicine, business, education, law or other areas of public life.

### Admission Requirements for the M.A. in Practical Philosophy and Applied Ethics

Applicants must submit the following:

- a completed graduate application for admission;
- a letter of application, including a statement of career goals and areas of interest;
- a \$30 application fee;
- official undergraduate transcripts indicating earned baccalaureate or equivalent degree;
- relevant transcripts of previous graduate training;
- a GPA of 3.0 or higher for the last two years (60 credits) of undergraduate course work;
- official scores from the GRE, with a minimum combined verbal and quantitative score of 1000;
- three letters of reference that speak to the candidate's ability to succeed at the graduate level; and
- a writing sample (10-15 pages).

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.

Students transferring from other graduate programs may be awarded up to nine credit hours of graduate study, subject to departmental review. Applicants need not have a prior degree in philosophy.

### Program Prerequisites

While students entering the 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 a remedial basis, which may involve up to nine credit hours of additional course work.

### General Program Requirements

#### ARTS & SCIENCES

Biology

Criminology and Criminal Justice

English

History

Mathematics & Statistics

Philosophy

Political Sciences & Public Administration

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(33 credits)

The thesis option requires 24 credit hours of core and specialized courses plus nine credits of thesis writing, supervision and defense. The internship option requires 27 credit hours of courses plus six credit hours of internship work, including written report of findings.

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## Master of Public Administration

<http://www.unf.edu/coas/polsci-pubadmin/>

(904) 620-2977

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.

Although the public administration degree is usually associated with a background in political science, 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.

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Criminology and Criminal Justice

English

History

Mathematics & Statistics

Philosophy

Political Sciences & Public Administration

Psychology

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## Master of Arts in Counseling Psychology

[www.unf.edu/coas/psychology/graduatePsychology.html](http://www.unf.edu/coas/psychology/graduatePsychology.html)  
(904) 620-2807

### Program Overview

The Master of Arts in Counseling Psychology (M.A.C.P.) program is designed to prepare students for professional roles in mental health counseling settings, and to develop in them the interpersonal and professional skills required for effective interventions. The program emphasizes the development of verbal and nonverbal facilitative skills through both didactic and experiential training. The course work is comprehensive and rigorous. It is designed to promote effective communication and therapeutic skills as well as academic excellence and professional integrity. The M.A.C.P. program will endeavor to provide graduates with the following objectives:

1. Awareness and adherence to ethical standards and licensure requirements of the profession.
2. Basic counseling and relationship-building skills.
3. Interviewing assessment and diagnosis proficiency.
4. Implementation of clinical intervention strategies to enhance personal development and resiliencies to facilitate mental health difficulty resolution.
5. Function as informed consumers of empirical findings who are able to develop their knowledge through critical thinking, ongoing career-long learning, and research.
6. Sensitivity to multicultural diversity and an understanding of how diversity relates to clinical practice.

### Program

The MACP program consists of 60 credit hours of study in psychology, including a minimum 1,000 hours of supervised field work, and a thesis option. The program is offered in a full-time cohort model. Upon completion of both the MACP program and an ethics class, the academic requirements for a mental health counselor license in the state of Florida will have been met.

### Admission

As a state-funded institution of higher education, UNF requires graduate students to have attained:

1. A baccalaureate degree from a regionally accredited college or university
2. Minimum scores of 500 on the verbal and 500 on the quantitative sections of the Graduate Record Exam (GRE),  
or a
3. 3.0 grade point average for the final 60 semester hours of the undergraduate degree. Submission of GRE scores is required regardless of GPA.
4. Applicants must also have completed a minimum of 9 semester hours in psychology, including the following:
  - o Research methods or experimental psychology,
  - o Personality theories or abnormal psychology, and
  - o An upper level psychology elective.
5. All prerequisite coursework must be completed prior to acceptance into the MACP program.

Application materials must be received by the published deadline, available on the Graduate School website. For an application to be considered, ALL materials must be received by the

[Master of Arts in Counseling Psychology](#)

[Master of Arts in General Psychology](#)

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published deadline.

Admitted candidates will have two weeks to notify the psychology department regarding offers of acceptance. Interested students should begin the application process by reviewing the Graduate School website or contacting the UNF Graduate School at (904) 620-1360. Any follow-up questions can be directed to the Psychology Office at (904) 620-2807. All application materials must be sent directly to the UNF Graduate School, not to the Department of Psychology. This includes all applications, transcripts, test scores, and supporting documents: The Graduate School, University of North Florida, 1 UNF Drive, Jacksonville, FL 32224.

1. An application for graduate admission
2. \$30 application fee
3. Official college transcripts from all institutions attended
4. Official GRE scores
5. A personal statement. Review the following series of questions carefully. Be sure to address each question in detail. Your responses should be typewritten in 12 pt. font.
  - o Describe your motivations for wanting to become a professional in mental health counseling.
  - o Briefly note the particular life events and experiences that play a role in your ambition to become a professional mental health counselor.
  - o Describe your short-term and long-term professional goals.
  - o Name a particular text or author in the psychology/mental health field that has influenced you the most and describe why.
6. Resume. Your professional resume should summarize your education, employment and volunteer work history related to psychology, research activities and any psychology related publications, presentations, or posters at professional conferences
7. Two letters of reference from current or previous professors, counseling professionals, employers or supervisors who recommend the suitability of the applicant for graduate study and the profession of counseling psychology.
8. The student will be required to have a personal interview prior to final admission. For more information on the Master of Arts in Counseling Psychology program, call or write the Department of Psychology or the Graduate School.

### **Retention**

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

Note: Admission to the MACP program is competitive, and meeting minimum qualifications does not guarantee admission

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## Master of Science in Applied Sociology

<http://www.unf.edu/coas/soc-anth/Sociology%20Files/MSAS/MSAS.htm>

(904) 620-2850

Note: The Applied Sociology program is currently deactivated and not accepting new students.

The primary goal of the M.S. in Applied Sociology is to provide training in sociological research and theory, as well as a broad based understanding of applied sociological research and social issues and problems. In addition, the program offers highly qualified and motivated students the opportunity to develop the academic skills required for continued training at the doctoral level. Thus, the program is designed to provide both classroom-based academic instruction and hand-on research training.

The M.S. in Applied Sociology program consists of 33 credit hours with three primary options. First, the thesis option consists of 27 credits of course work and a six-hour thesis component. Second, the non-thesis option includes 33 credits of course work and a comprehensive examination. Third, the applied practicum option includes 27 credits of course work and a six-hour practicum. The primary course offerings focus on research methodology, applied social program evaluation and assessment, sociological theory, social problems and inequality, as well as other relevant substantive areas within Sociology. Electives include courses in urban systems, demography, community, organizations, aging, race/ethnicity, gender, poverty/inequality, culture, and other areas.

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English

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## College of Computing, Engineering & Construction

COMPUTING, ENGINEERING & CONSTRUCTION

School of Computing

Master of Science in  
Computer and Information  
Sciences

Computing Programs

Graduate Faculty

School of Engineering

CCEC Distance Learning



Dean's Office  
Peter Braza, Ph.D., Interim Dean and Professor  
Gerald Merckel, Ph.D., Associate Dean and Professor  
(904) 620-1350; Fax (904) 620-2385

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.

CCEC Master's graduates are prepared for advanced positions in industry and for continuing graduate study at a higher level. When applicable, the College's M.S. programs are designed to articulate with graduates of programs accredited by ABET (for Computing and Engineering) or ACCE (for Construction Management). While ABET and ACCE accreditation do not apply to the College's M.S. programs, the corresponding B.S. programs are accredited (with the exception of Software Engineering; the College does not offer a corresponding B.S. program).

Graduate Learning Outcomes

The [Graduate Learning Outcome Statements](#) articulate the educational objectives and outcomes for the College's graduate programs.

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## College of Computing, Engineering & Construction

### Dean's Office

Peter Braza, Ph.D., Interim Dean and Professor  
Gerald Merckel, Ph.D., Associate Dean and Professor  
(904) 620-1350; Fax (904) 620-2385

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### Graduate Learning Outcomes

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School of Computing

School of Engineering

School of Engineering

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Master of Science in  
Electrical Engineering (MSEE)

Master of Science in  
Mechanical Engineering  
(MSME)

Florida Engineering Education  
Delivery System (FEEDS)

FEEDS Programs

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## CCEC Distance Learning

### *Any Time, Any Place*

Donald D. Farshing Video Production Classroom

Gerald Merckel, Ph.D., *Director*

email the DL staff:  
[dl@ccec.unf.edu](mailto:dl@ccec.unf.edu)

R. Elaine Poppell, *Sr. Broadcast Technologist*  
[rpoppell@unf.edu](mailto:rpoppell@unf.edu) (904) 620-1876

Charlie Willwerth, *Broadcast Engineering Technician*  
[c.willwerth@unf.edu](mailto:c.willwerth@unf.edu) (904) 620-2695

Distance learning allows students to enrich their knowledge without time or place restrictions. Each distance learning class is the equivalent of an on-campus section of the same course. Like on-campus students, distance learning students receive full access to campus resources.

CCEC offers a variety of classes which are recorded live in the Donald D. Farshing Video Production Classroom and web cast over the Internet for streaming and downloading. Lectures are available in both Windows Media Video and mpeg-4 video formats, and can be accessed by distance learning students any time, any place with a high-speed Internet connection. Students may view lectures on their desktop computer, laptop, I-Pod, smart cell phone or other mobile device.

CCEC Distance Learning at UNF provides students with the highest quality 'e-Learning' experience possible. Students have the benefit of flexible class scheduling, and may access video lectures any time and as often as they like.

#### DISTANCE LEARNING FEE:

A fee of \$125 will be assessed for students enrolling in distance learning sections of video-based courses conducted in the CCEC Video Production Classroom to help supplement the additional costs involved in delivering these classes. The fee is only a partial recovery of our total expenses.

For more information, visit <http://elearn.ccec.unf.edu/>.

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College of Education & Human Services

Master of Science in Applied Sociology > CCEC Homepage > CCEC Homepage > CCEC Distance Learning > Admissions

## Admissions

Applicants must meet minimum requirements for admission to graduate programs as established by the Florida Department of Education's Division of Colleges and Universities and the University of North Florida. Individual programs in the College have established admissions criteria beyond the minimum requirements. All applicants seeking admission to master's and doctoral programs in the College are required to meet with an academic advisor prior to admission. Contact the Office of Academic Advising at (904) 620-2530 for additional information.

### Master of Education

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, "add-on" certification, Literacy, Teaching English as a Second Language, and Instructional Technology at the elementary and secondary levels, 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 Elementary Education/K-6, Special Education/Exceptional Student Education, Counselor Education/School Counseling, and Deaf Education, 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 Adult Learning concentration in Secondary Education; Disability Services, Applied Behavior Analysis, and ASL/English Interpreting in Special Education; or Advanced Teaching and Learning, Post Secondary and Adult Studies, and Educational Leadership Technology in Educational Leadership.
3. Acceptable scores on either the Graduate Record Exam (GRE) or the Miller's Analogies Test (MAT) are required. The minimum scores may vary with each department. The University GRE minimum score is 1000.
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.

### Component Cores

Master's programs range from a minimum of 36 hours to 60 hours (exclusive of prerequisites). All 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

EDUCATION & HUMAN SERVICES

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Department of Exceptional Student and Deaf Education

Department of Foundations and Secondary Education

Department of Leadership, Counseling & Instructional Technology

Educator Preparation Institute

Prerequisites for Master's Degree Majors





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.

### **Doctor of Education in Educational Leadership**

The minimum criteria for admission to the program are the following:

1. A master's degree earned from a regionally accredited institution.
2. Three years of successful teaching, administration, or related work in training and development.
3. Demonstrated leadership or leadership potential.
4. Demonstrated academic ability and potential to complete the course work and a dissertation successfully.
5. In some instances, an interview with the Doctoral Admissions Committee.
6. Recommendation of the Doctoral Admissions Committee.

Applicants will be asked to submit to The Graduate School transcripts of previous college work (including evidence of an earned master's degree), a writing sample, and acceptable scores on the GRE that were obtained not more than five years prior to admission. International applicants must also submit a TOEFL score and a foreign college evaluation if they do not have an academic degree from an English-speaking institution. Information about the program and application forms may be obtained from the Department of Leadership, Counseling and Instructional Technology, (904) 620-2990.

### **Academic Advising**

The Office of Academic Advising provides individualized academic advising to all students in the College. During the initial advising conference, advisors will:

1. Explain the admission procedures to the student;
2. Help the student select the major which will lead the student to achieving career goals; and
3. Plan a tentative program of study.

Upon each applicant's admission to the program, the receiving department chair will assign a faculty advisor from among the department faculty to finalize the program of study. Doctoral applicants should contact the Ed. D. program director at (904) 620-2990.

### **Academic Integrity**

Students are expected to adhere to the highest standards of integrity and professionalism. This expectation includes following the University Academic Integrity Code and the professional code of conduct in the College. Under the Academic Integrity Code, when misconduct is discovered, the instructor may take one or more actions, including recommending the student's dismissal from the program.

### **Course Work Requirement**

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.

### **Fingerprinting Requirement**

Fingerprinting is required for students enrolled in the School Counseling master's degree program. 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.

### **Directed Independent Study**

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.

### **Credit Transfers**

Acceptance of transferred credit for the master's degree is at the discretion of 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 chair about the appropriateness of courses to be transferred.

### **Course Validation**

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.

### **Residence Requirement**

Course work taken on campus, online through a UNF distance learning program or class, or through an off-campus cohort program is considered in-residence study for degree purposes, assuming the student is a fully admitted graduate student. At least 24 hours must be completed in residency.



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## Department of Childhood Education

<http://www.unf.edu/coehs/college/divisions/DCE/dce.htm>

Ronghua (John) Ouyang, Ph.D., Professor & Chair  
 Wanda Hedrick, Ph.D., Professor  
 Candice Carter, Ph.D., Associate Professor  
 Nile V. Stanley, Ph.D., Associate Professor  
 Christine Weber, Ph.D., Associate Professor  
 Jacqueline Batey, Ph.D., Assistant Professor  
 Jin-Suk Byun, Ph.D., Assistant Professor  
 Katrina Hall, Ph.D., Assistant Professor  
 Katie M. Monnin, Ph.D., Assistant Professor  
 Lunetta Williams, Ph.D., Assistant Professor

### Master of Education in Elementary Education

The mission of the Department of Childhood Education is to 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 licensed areas of instruction.

#### Category II - Master's Degree Programs for Uncertified Post-baccalaureate Students

These programs are for graduate students who do not hold professional teaching certificates but who wish to obtain a master of education degree suitable to preparing them for careers in education. Candidates wishing to be certified who currently have no teaching credentials or who hold provisional, temporary, or emergency certificates may pursue the degree program in elementary education - initial certification concentration. This degree program allows the student to earn a master's degree while simultaneously completing a state-approved program for certification as a teacher.

#### Category III - 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 Childhood 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

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Department of Foundations  
and Secondary Education

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## Department of Exceptional Student & Deaf Education

### Special Education Program

<http://www.unf.edu/coehs/college/departments/ESDE/se.htm>

Len Roberson, Ph.D., Chair, Associate Professor and Program Leader: Deaf Education  
 Thomas Serwatka, Ph.D., Vice President and Professor  
 Gerard R. Giordano, Ph.D., Professor  
 Donald F. Moores, Ph.D., Professor  
 John J. Venn, Ph.D., Professor  
 Marsha H. Lupi, Ed.D., Associate Dean and Associate Professor  
 Karen B. Patterson, Ph.D., Associate Professor and Program Leader: ESE  
 Sherry L. Shaw, Ph.D., Associate Professor  
 Kristine Webb, Ph.D., Associate Professor, Director: Disability Resource Center  
 Caroline Guardino, Ph.D., Assistant Professor  
 Susan S. Syverud, Ph.D., Assistant Professor

### Master of Education in Special Education

The graduate program in special education prepares graduate students to assume positions as professional practitioners who work with exceptional individuals. The majority of these practitioners become teachers in self-contained classes or resource rooms, while others serve in positions such as consulting teacher, behavior analyst, parent-infant specialist, or 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, and the fifth concentration is 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) or the Miller's Analogies Test (MAT) are required. If the applicant's undergraduate GPA is less than a 3.0, a minimum of a 1000 (combined verbal and quantitative) on the GRE or a 400 on the MAT 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

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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.

#### **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.

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## Department of Foundations & Secondary Education

<http://www.unf.edu/coehs/college/departments/FSE/fse.htm>

Jeffrey J. Cornett, Ph.D., Chair and Professor  
 Marianne B. Barnes, Ph.D., Professor  
 Phillip S. Riner, Ed.D., Professor  
 Allan N. Sander, Ph.D., Professor  
 G. Pritchey Smith, Ed.D., Professor  
 Richard H. Chant, Ed.D., Associate Professor and Program Leader,  
 Middle/Secondary Education  
 Otilia L. Salmon, Ph.D., Associate Professor  
 Michael P. Ramsey-Smith, Ed.D., Associate Professor and Program Leader,  
 Foundations  
 Cassandra G. Etgeton, Ed. D., Assistant Professor  
 Wanda Lastrapes, Ph.D., Assistant Professor  
 Meiko Negishi, Ph.D., Assistant Professor  
 Madalina F. Tanase, Ph.D., Assistant Professor  
 John W. White, Ph.D., Assistant Professor

### Master of Education in Secondary Education

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.

#### 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 suitable for the preparation for careers in education. Graduate students who either are or are not currently certified as teachers and who wish to work in educational settings serving adult learners may pursue the degree program in secondary education - adult learning concentration. This program features studies in educational foundations and instructional methodology focused on the adult learner, along with 18 or more graduate credits in a specific content area, providing the graduate training is consistent with teaching at the collegiate level. Students accepted in this category must complete the entire course of study and may not request a change to a Category I program even if a provisional or temporary teaching certificate is obtained.

#### Category III - 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

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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 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 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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## Department of Leadership, Counseling & Instructional Technology

<http://www.unf.edu/coehs/college/departments/LCT/lct.htm>

E. Newton Jackson, Ph.D., Chair and Professor  
 Larry G. Daniel, Ph.D., Dean and Professor  
 Cheryl A. Fountain, Ed.D., Professor and Executive Director, Florida Institute of Education  
 Sandra L. Gupton, Ph.D., Professor  
 Katherine M. Kasten, Ph.D., Professor and Director, Doctoral Program  
 Elinor Scheirer, Ph.D., Professor  
 Carolyn B. Stone, Ed.D., Professor  
 Warren A. Hodge, Ph.D., Associate Professor  
 Jennifer Kane, Ph.D., Associate Professor  
 Kenneth T. Wilburn, Ph.D., Associate Professor  
 Terence Cavanaugh, Ph.D., Assistant Professor  
 Christopher Janson, Ph.D., Assistant Professor  
 Marcia L. Lamkin, Ed.D., Assistant Professor and Program Director, Master's Program in Educational Leadership  
 Jason Lee, Ph.D., Assistant Professor  
 Marcelle C. Lovette, Ed.D., Assistant Professor

### Purpose and Programs

The Department of Leadership, Counseling, and Instructional Technology offers professional studies suitable to students interested in careers in educational leadership, postsecondary and adult studies, school counseling, and instructional technology. Master of Education programs are offered in counselor education, educational leadership, and postsecondary and adult studies; and a Doctor of Education program is offered in educational leadership.

- [Doctor of Education in Educational Leadership](#)
- [Master of Education in Educational Leadership](#)
- [Master of Education in Counselor Education](#)

### Doctor of Education in Educational Leadership

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.

#### Admission Requirements

Minimum criteria for admission to the program are the following:

- a master's degree earned from a regionally accredited institution;
- three years of successful teaching, administration, or related work in training and development

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- 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 GRE. The University minimum score on the GRE is 1000. 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 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.*

#### Program of Study

The program consists of course work in interdisciplinary foundations, leadership, research methodologies, a cognate (or minor) area; a written and oral comprehensive exam; and completion of a doctoral dissertation. Students will register for a minimum of six credit hours each semester (fall, spring, and summer) and will complete the majority of their course work within a student cohort group. Each student will select a minimum of 12 credit hours of study in a cognate area. With prior approval, students may complete all or part of their cognate area studies at another regionally accredited institution offering relevant doctoral-level course work.

A planned program of study consists of a minimum of 76 graduate credit hours. Students may use no more than 24 credit hours of dissertation credits to satisfy the 76 credit hour minimum. Students may transfer graduate credit hours into their doctoral program of study provided the hours have not been included in a previous degree awarded by UNF or another institution. Graduate credit hours transferred into the doctoral program must have been completed no more than five years prior to the semester in which the student is admitted to the program, must have been completed at a regionally accredited institution that offers post-master's degree programs, and must be approved by the doctoral program director. All courses taken outside of the student's major area of study must be at or above the 6000 level. Students should expect to maintain continuous enrollment until they complete their degrees. Exceptions to this policy are subject to approval as described in the doctoral program policies and procedures (available from the Department of Leadership, Counseling, and Instructional Technology).

Upon completion of course work, the student must pass a written and oral comprehensive examination in order to be admitted to candidacy for the doctoral degree. The student is admitted to candidacy upon recommendation of the doctoral dissertation committee.

Once admitted to candidacy, doctoral candidates must register for at least three hours of dissertation credit each term and be registered at UNF until all requirements for the degree are completed. A minimum of 24 hours of dissertation credit is required. The dissertation will be a practice-centered inquiry that attests to the student's understanding of the field and ability to conduct scholarly inquiry about an issue related to the improvement of educational practice. Research conducted in partnership with schools and school districts will be encouraged. Each student will complete a final oral examination in order to defend the research conducted and to demonstrate the ability to use critical thought and judgment.

*Additional Information:* More specific information concerning the doctoral program is available from the Doctoral Program in the Department of Leadership, Counseling, and Instructional Technology. Phone: (904) 620-2990.

### **Master of Education in Educational Leadership**

Guided by the belief that the most important purposes of schooling are teaching and learning, the programs in educational leadership are designed to develop effective educational leaders. The programs are characterized by research-based studies of educational policy, leadership behaviors, managerial strategies and skills, and criteria of effective schools. The College offers educational leadership programs leading to a Master of Education degree (M.Ed.) and a Doctor of Education degree (Ed.D.). Non-degree studies leading to Florida certification in educational leadership are also available.

#### Admission Requirements

The applicant must:

1. Meet University requirements for admission to graduate study, and
2. Provide three satisfactory letters of recommendation (obtain forms from the Office of Academic Advising, 904-620-2530).

Program faculty may recommend a trial program for a student even if the applicant meets minimum admission requirements.

For Educational Leadership/School Leadership students admitted on or after August 2008, passing scores on all three parts of the Florida Educational Leadership Examination (FELE) (Instructional Leadership, School Leadership, and Operational Leadership) are required to be eligible for graduation.

*Note: All applications, transcripts, test scores, and supporting documents must be sent*

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

## Master's Programs

Four concentrations are available in the Educational Leadership program at the master's level: school leadership, postsecondary and adult studies, advanced teaching and learning, and educational technology. Programs of study in each of the degree concentrations consist of the following elements: the six-hour graduate core requirement of the college (or equivalent graduate level course work); specified courses in educational leadership; and program electives.

### **School Leadership Concentration**

The School Leadership program is the master's degree program intended for individuals seeking professional certification in the area of educational leadership. The program of study includes the Florida educational leadership core curriculum required for certification.

### **Certificate Programs**

The educational leadership program offers a non-degree school leadership certificate to accommodate individuals who have earned a master's degree and wish additional leadership education. Graduate level credit is awarded for the certificate. The requirements for admission to the certificate program are:

1. Completion of a master's degree from a regionally accredited institution.
2. Admission to the UNF Graduate School.
3. Completion of an approved program of study.

Individuals seeking admission to a certificate program will meet with a faculty advisor to review their transcripts and select the program electives appropriate to their interests and career goals

Transformation of Conflict Certificate: The Leadership, Counseling and Instructional Technology Department offers a 15-credit graduate certificate in Transformation of Conflict. Students will take selected graduate classes in foundations and applied conflict transformation as well as course work in educational foundations, counseling, and other approved disciplines. Transformation of Conflict is also available as a cognate in the Doctor of Educational Leadership program and in selected master's degree programs. Consultation with a faculty advisor is required.

Non-Degree Certification in Educational Leadership: Non-degree studies in educational leadership are intended for individuals, those who hold master's degrees, who seek Florida Educational Leadership Certification. The eight courses required for the certificate encompass the Florida educational leadership core curriculum that is tested on the Florida Educational Leadership Examination (FELE). A list of required courses may be obtained from the Office of Academic Advising or from Educational Leadership program faculty. Individuals should be aware that there are requirements in addition to completed coursework necessary to obtaining Florida certification in educational leadership, including a passing score on the Florida Educational Leadership Examination (FELE).

## **Master of Education in Counselor Education**

### Program Description and Mission

The Counselor Education program offers a Master of Education degree in Counselor Education with a specialization in School Counseling. The Counselor Education program is accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). CACREP approval is a professional standards accreditation which validates the quality of education of counseling and related programs. Graduates will have fulfilled the educational requirements for the Florida Certificate in Guidance (K-12). Graduates will also be eligible to apply for national certification through the National Board of Certified Counselors (NBCC) and the National Board of Professional Teaching Standards (NBPTS). The mission of the UNF counselor education program is to provide an intellectually stimulating and supportive environment in which to prepare professional counselors in schools. This preparation encompasses academic rigor, promotes ethical and professional integrity, and emphasizes effective interpersonal communication and helping skills. Personal exploration and awareness are also integral components of the educational process.

### Fingerprinting

Fingerprinting is required for students enrolled in the School Counseling program. 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) 620-2530, for information regarding fingerprinting procedures.

### Faculty Guiding Principles

We believe that professional counselors value and honor diversity, equity, and equality of opportunity for all people.

- We believe that a life-span and global perspective is integral to the training of professional counselors.
- We believe that professional counselors stand for social, economic, and political justice and therefore must be proactive change agents and advocates for all people.
- We believe that professional counselors are obligated to confront their own beliefs and assumptions and change biased behavior regarding sexism, ageism, racism, classism, ableism, and homophobia.
- We believe that professional counselors are ethically obligated to strive toward optimum psychological health and to engage in self-care activities which attend to the physical, mental, spiritual and psychological dimensions.
- We believe that professional counselors have an ethical obligation to work at their highest level of competence and only within their areas of expertise.
- We believe the academic preparation process must emphasize the application of theory to practice and encompass opportunities for experiential learning throughout the program.

#### Programmatic Guiding Principles

In order to ensure that the characteristics listed above are present in the graduates of the Counselor Education program, the faculty believes the program should include:

- comprehensive, rigorous entrance requirements for potential students;
- individual consultation and advising throughout the students' program;
- screening at several points throughout the program;
- opportunities for students to engage in ongoing field experiences throughout their program;
- a comprehensive curriculum composed of an appropriate blend of theoretical knowledge and training in specific skills;
- an emphasis on the personal qualities of the counselor in training; and
- a strong emphasis on counseling, consultation, advocacy, and leadership skills throughout the program.

#### The School Counseling Concentration

The School Counseling concentration centers upon preparing counselors to meet the academic, career, emotional, and social needs of culturally and linguistically diverse student populations. The school counseling concentration prepares school counselors to fulfill the following roles:

- serve as advocates, educational leaders, team members, counselors, and consultants to maximize opportunities for students to succeed academically;
- develop in students a commitment to achievement and provide conditions that enable students to accomplish their goals;
- help students recognize their potential and enhance their capacity to make academic and career decisions;
- serve as leaders and stewards of equity and achievement and be able to remedy institutional and environmental barriers impeding students' progress;
- provide all students with academic and career advising in order for them to form values, attitudes and behaviors conducive to their educational and economic success; and
- become managers of resources and partnership builders, and enlist the support of parents, agencies, and community members.

#### Admission to the Program

The School Counseling program is organized according to a cohort model. The cohort of students are admitted to the program each spring, though they begin coursework the following summer semester. Applicants must have a combined verbal and quantitative score of 1000 on the GRE or a 410 on the MAT. Students not achieving the 1000 GRE or 410 MAT may be considered, providing the undergraduate grade point average (GPA) of the applicant is a 3.0 or above in their last 60 semester hours of their baccalaureate degree. Applicants need not have an undergraduate degree in education. All applicants are required to have completed at least 6 credits in the behavioral sciences (all with grades of "A" or "B"). Also required is an application portfolio, which contains three letters of recommendation, a professional goals statement, an impromptu writing sample, and written reactions to journal articles and school scenarios. Applications may be found at [www.unf.edu/coehs/degrees/LCT/soar/index.htm](http://www.unf.edu/coehs/degrees/LCT/soar/index.htm). Applicants must interview with a selection committee comprised of program faculty and practicing school counselors and will be required to present a brief public speech on an educational topic.

*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.*

#### Continuance in the Program

All program applicants will be admitted on a trial basis until the end of the first semester.

Instructors will provide written feedback regarding the student's progress to the admissions committee who will finalize the admission process. Faculty will monitor the student's performance throughout the program. Completion of the program is dependent not only upon academic performance but also on the demonstration of appropriate interpersonal skills, professional demeanor, and social and ethical judgment. Faculty will advise students in cases where they receive grades lower than a "B" and/or are not performing satisfactorily.

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## Educator Preparation Institute

The Educator Preparation Institute (EPI) offers an alternative, non-credit certification program as part of the state's efforts to address critical teacher shortages. The program targets beginning teachers with temporary teaching certificates and degree holders in fields other than education. A new EPI Cohort begins each August. The EPI provides a ten-month combination of connected learning modules, field experiences, and mentoring. Participants can earn graduate credit during the program by taking EDG 6250 Instructional Strategies in the Curriculum and/or EDF 6211 Advanced Educational Psychology as part of their EPI program. Completers are awarded a credential from UNF's College of Education and Human Services confirming mastery of all state requirements for professional certification and eligibility to apply for a Florida Professional Teaching Certificate. All EPI participants are encouraged to use the EPI as a pathway into an advanced degree in education.

### Admission to the Program

The EPI is organized as a cohort model, with a new cohort of participants beginning each fall semester. Individuals may apply at any time for the next available cohort. Applicants must either be K-12 teachers with temporary teaching certificates or hold at least a bachelor's degree in a field other than education.

Required EPI Modules: 240 Total Clock Hours

1. EPI 001 The Instructional Process: Classroom Management & Assessment
2. EPI 002 The Instructional Process: Instructional Strategies or EDG 6250 Instructional Strategies in the Curriculum (3 credits)
3. EPI 003 The Instructional Process: The Teaching and Learning Process or EDF 6211 Advanced Educational Psychology (3 credits)
4. EPI 004 The Teaching Profession: Professional Foundations
5. EPI 005 The Instructional Process: Diversity in the Classroom
6. EPI 006 The Instructional Process: Technology
7. EPI 007 Web-based: FOR-PD Reading Course

Please note that no courses with the EPI prefix may be taken for credit in a degree program. EPI course information is not included in this catalog. For more information regarding EPI module descriptions, please contact the Educator Preparation Institute, (904) 620-1823.

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## Prerequisites for Master's Degree Majors

### Prerequisites

#### Elementary Education

- Valid Professional Florida Teaching Certificate in Elementary Education or its equivalent.
- Teaching experience

#### K-12 and Secondary Education

- Valid Professional Florida Teaching Certificate in an appropriate content field or its equivalent.
- All content requirements for certification
- Teaching experience

#### Special Education

- Eligibility for a Florida Teaching Certificate or appropriate experience as determined by the program faculty.

#### Counselor Education: School Counseling Concentration

- Six credits of course work in the sociological or psychological foundations with grades of B or above.

#### Educational Leadership: School Leadership for Florida Administrator Certification

- Valid Florida Professional Teaching Certificate

### Teacher-Certification-Only

Students who have completed a bachelor's degree in a non-education field of study may pursue teacher certification by completing "Teacher-Certification-Only" (TCO). All TCO coursework must be taken at the graduate level (i.e., 5000 and 6000 level courses) unless graduate-level courses are not offered. Enrollment of TCO students in undergraduate courses requires approval of an advisor and/or the appropriate department chair. TCO students must meet all criteria for admission to the College's undergraduate teacher education programs. TCO does not lead to the awarding of a degree. Students interested in TCO should contact the College's Office of Academic Advising at (904) 620-2530.

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## Admissions

David E. W. Fenner, Dean, The Graduate School  
Keith E. Martin, Director, The Graduate School (904) 620-1360

### 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. Feel free to do so at any time during and even before you begin the application process.

1. All graduate applicants must complete and submit either a printed application form or an online application. You can also complete an application online at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies). You may download the form from the UNF website at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies).
2. Complete and send in the application form and the non-refundable application fee of \$30 (check or money order) by the deadline posted for the semester you would like to begin your graduate studies. Applications and fees should be sent to the following address:  
  
The Graduate School  
University of North Florida  
1 UNF Drive  
Jacksonville, FL 32224
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. The Graduate School will only accept hard copy transcripts.
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. For information on the GRE, students can visit [www.ets.org](http://www.ets.org); for the GMAT, students may visit [www.mba.com](http://www.mba.com). 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

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proceedings and submit any pertinent documentation.

Once the Graduate School has received your transcripts and test scores, your application will then be forwarded in the form of a Graduate Referral to the graduate advisor of the program to which you are applying. The department will then review your application, make an admission decision, and notify us. You will then receive a letter informing you of the decision.

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Department of Leadership, Counseling & Instructional Technology > Educator Preparation Institute > Prerequisites for Master's Degree Majors > Admissions > Admissions

## Admissions

David E. W. Fenner, Dean, The Graduate School  
Keith E. Martin, Director, The Graduate School (904) 620-1360

### 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. Feel free to do so at any time during and even before you begin the application process.

1. All graduate applicants must complete and submit either a printed application form or an online application. You can also complete an application online at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies). You may download the form from the UNF website at [www.unf.edu/graduatestudies](http://www.unf.edu/graduatestudies).
2. Complete and send in the application form and the non-refundable application fee of \$30 (check or money order) by the deadline posted for the semester you would like to begin your graduate studies. Applications and fees should be sent to the following address:  
  
The Graduate School  
University of North Florida  
1 UNF Drive  
Jacksonville, FL 32224
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. The Graduate School will only accept hard copy transcripts.
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. For information on the GRE, students can visit [www.ets.org](http://www.ets.org); for the GMAT, students may visit [www.mba.com](http://www.mba.com). 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.

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## Admissions

David E. W. Fenner, Dean, The Graduate School  
Keith E. Martin, Director, The Graduate School (904) 620-1360

### Getting Admitted into UNF

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We strongly encourage you to contact the graduate advisor of the degree program in which you are interested. Feel free to do so at any time during and even before you begin the application process.

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2. Complete and send in the application form and the non-refundable application fee of \$30 (check or money order) by the deadline posted for the semester you would like to begin your graduate studies. Applications and fees should be sent to the following address:  
  
The Graduate School  
University of North Florida  
1 UNF Drive  
Jacksonville, FL 32224
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. The Graduate School will only accept hard copy transcripts.
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. For information on the GRE, students can visit [www.ets.org](http://www.ets.org); for the GMAT, students may visit [www.mba.com](http://www.mba.com). 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.
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Once the Graduate School has received your transcripts and test scores, your application will then be forwarded in the form of a Graduate Referral to the graduate advisor of the program to which you are applying. The department will then review your application, make an admission decision, and notify us. You will then receive a letter informing you of the decision.

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Prerequisites for Master's Degree Majors > Admissions > Admissions > Admissions > School of Nursing

## School of Nursing

Lillia M. Loriz, Ph.D., A.R.N.P., B.C., Director  
Kathaleen C. Bloom, Ph.D., C.N.M., Associate Director, Undergraduate Studies

### Program Coordinators

Cynthia Cummings, Ed.D., R.N., Accelerated B.S.N. Coordinator  
Debra Wagner, M.S., A.R.N.P., C.N.M., R.N.-B.S.N. Coordinator

### Faculty

Pamela S. Chally, Ph.D., R.N., Professor  
Lucy B. Trice, Ph.D., A.R.N.P., B.C., Professor  
M. Catherine Hough, Ph.D., R.N., Associate Professor  
Barbara Kruger, Ph.D. R.N., Associate Professor  
Jan, Meires, 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  
Susan McMarlin, Ed.D, R.N., Assistant Professor  
Connie Roush, Ph.D., R.N., Assistant Professor  
William D. Ahrens, M.S.N., R.N., Senior Instructor  
Peggy L. Hoff, M.N., A.R.N.P., Senior Instructor  
Julie Baker-Townsend, M.S.N., A.R.N.P. B.C., Instructor  
Judy Comeaux, M.S.N., A.R.N.P., Instructor  
Linda Connelly, M.S.N., A.R.N.P., Instructor  
Bonnie Pope, M.S.N., A.R.N.P., Instructor  
Jane Sander, M.S.N., A.R.N.P., Instructor  
Kristin Vandenberg, M.S.N., R.N., Instructor

### Baccalaureate Nursing Program

<http://www.unf.edu/brooks/nursing/nursing-undergraduateprograms.html>

The baccalaureate nursing program is accredited by the National League for Nursing Accrediting Commission and 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.

### R.N.-B.S.N.- Bridge Curriculum Plan

<http://www.unf.edu/brooks/nursing/bchrnbsn.html>

Admission Requirements

1. Active license to practice nursing in Florida
2. Prospective students must successfully complete the following to enroll in nursing courses:

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Department of Clinical and  
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Department of Nutrition and  
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- a. Sixty (60) semester hours of coursework with the satisfaction of UNF general education, and
- b. College Level Academic Skills Test (CLAST)
- OR-
- c. An A.A. degree from a Florida public institution
3. Minimum overall GPA of at least 2.9 on a 4.0 scale
4. Completion of nursing prerequisite courses with no grade lower than "C".

### **Prelicensure B.S.N. Curriculum Plan**

[www.unf.edu/brooks/nursing/prelicensure.html](http://www.unf.edu/brooks/nursing/prelicensure.html)

#### Admission Requirements

1. a. Sixty (60) semester hours of courses with satisfaction of UNF general education requirements;
- b. Completion of the College Level Academic Skills Test (CLAST) and
- c. Completion of all nursing prerequisite courses.
- or-
- a. An Associate of Arts (A.A.) degree from a Florida community college/university; and
- b. Completion of all nursing prerequisite courses.
2. Minimum overall GPA of at least 2.9 on a 4.0 scale; minimum prerequisite GPA of a least 2.9 on a 4.0 scale with at least a "C" in each nursing prerequisite.
3. Completion of the Test of Essential Academic Skills (TEAS).

### **Accelerated Prelicensure B.S.N. Curriculum Plan**

<http://www.unf.edu/brooks/nursing/accprelicensure.html>

#### Admission Requirements:

- Graduation from a regionally accredited institution with a baccalaureate degree;
- Completion of nursing prerequisite courses with no grade lower than "C";
- Minimum overall GPA of 3.0 and a minimum 2.90 GPA in the nursing prerequisite courses; and
- Completion of the [Test of Essential Academic Skills \(TEAS\)](#)

### **B.S.N. Prerequisite Requirements (all tracks)**

| Course    | Title                            | Credits |
|-----------|----------------------------------|---------|
| SYG 2000  | Introduction to Sociology        | 3       |
| PSY 2012  | Introduction to Psychology       | 3       |
| DEP 3054  | Lifespan Development             | 3       |
| STA 2014  | Elementary Statistics            | 3       |
| CHM 2045C | General Chemistry I with Lab     | 4       |
| MCB 2010C | Microbiology with Lab            | 4       |
| BSC 2085C | Anatomy & Physiology I with Lab  | 4       |
| BSC 2086C | Anatomy & Physiology II with Lab | 4       |
| HUN 2201  | Human Nutrition                  | 3       |

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## Department of Public Health

JoAnn Nolin, J.D., R.N., Chair

### Program Directors

Elissa Barr, Ph.D., CHES, Director, Community Health Program  
Gerald Colvin, Ph.D., Director, Health Administration Undergraduate Program

### Faculty

Cynthia Battie, Ph.D., Professor  
Judy Perkin, Ph.D, R.D., CHES, Professor  
Sharon Wilburn, Ph.D., Professor  
Kerry L. Clark, Ph.D., Associate Professor  
Jeffrey Harrison, Ph.D., Associate Professor  
Michele Moore, Ph.D., CHES, Associate Professor  
Cynthia Scott, Ph.D., Associate Professor  
Mei Zhao, Ph.D., Associate Professor  
Lie-Shih Chen, Ph.D., Assistant Professor  
D. Robert Haley, Ph.D., Assistant Professor  
Julie Merten, M.S.H., Instructor  
Donald Hutton, M.B.A., Executive-in-Residence

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.

[www.unf.edu/brooks/public-health/](http://www.unf.edu/brooks/public-health/)

[www.unf.edu/brooks/public-health/publichealth-undergraduate.html](http://www.unf.edu/brooks/public-health/publichealth-undergraduate.html)

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 interested in 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.

Students who earn the B.S.H. degree are qualified to work in a variety of community health, business and educational organizations such as public health departments, alcohol/drug programs, wellness/fitness centers, nursing homes/retirement residences, schools and hospitals. The track available under the B.S.H. in the Department of Public Health is the Community Health track.

There are also options for students outside the Brooks College of 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) 620-2812. Individuals interested in health teacher certification in Florida should complete the professional education 15 semester hour minor and contact the College of Education and Human Services (COEHS) Student Services Office, (904) 620-2530.

### University Minor in Public Health

Departments or divisions that wish to offer a minor in Public Health may do so provided they

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meet the requirements given below, including the prerequisites for all courses in which the student enrolls.

Minor Requirements (15 credits): HSC 3500 (3):Epidemiology, HSA4111 (3):U.S. Health Care System, and select three 3000/4000 level health courses related to the student's area of interest in consultation with an academic advisor. Select courses with the following prefixes: HSC/HSA/PET/PEM/DIE/HUN.

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## Department of Clinical & Applied Movement Sciences

A. Russell (Rusty) Smith, Jr., Ed.D., P.T., O.C.S., Chair

### Program Directors

Joel Beam, Ed.D., A.T.C., L.A.T., Athletic Training Program  
Peter Magyari, Ph.D., Exercise Science Concentration

### Faculty

Christopher Joyce, Ph.D., Associate Professor, Athletic Training Program  
Michelle Boling, Ph.D., A.T.C., Assistant Professor, Athletic Training Program  
Bernadette Buckley, Ph.D., A.T.C., L.A.T., Assistant Professor, Athletic Training Program  
James Churilla, Ph.D., MPH, RCEP Assistant Professor, Exercise Science Concentration

The Department of Clinical & Applied Movement Sciences offers a Bachelor of Science in Athletic Training and a Bachelor of Science in Health, Exercise Science Concentration. 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 2201 Double Creek Drive, Suite 5006, Round Rock, TX78664, phone (512) 733-9700. The Athletic Training, Exercise Science programs and programs-of-study are described at [www.unf.edu/brooks/clinical-applied-movement/](http://www.unf.edu/brooks/clinical-applied-movement/)

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## Department of Nutrition & Dietetics

Catherine Christie, Ph.D., R.D., L.D./N., F.A.D.A., Chair  
Jacqueline Shank, M.S., R.D., L.D./N, Undergraduate Nutrition & Dietetics Program

### Faculty

Judy Perkin, Ph.D, R.D., CHES, Professor  
Judith Rodriguez, Ph.D., R.D., L.D./N., F.A.D.A., Professor  
Julia Watkins, Ph.D., Associate Professor  
Nancy Correa-Matos, Ph.D., R.D., L.D./N., Assistant Professor  
Sally Weerts, Ph.D., R.D., Assistant Professor  
Lauri Wright, Ph.D., R.D., Assistant Professor

<http://www.unf.edu/brooks/nutrition/>

The Nutrition & Dietetics Department offers an undergraduate program culminating in a Bachelor of Science in Health with a Concentration in Nutrition. The Nutrition & Dietetics Program has been accredited by the Commission on Accreditation for Dietetics Education (CADE). Successful graduates of this program are eligible to apply to CADE accredited dietetic internships. Information about the computer matching system used when applying to CADE accredited dietetic internships may be obtained through D & D Digital Systems, Ste. 301, 304 Main St., Ames, IA 50010, (515) 292-0490. Students must complete a CADE accredited post baccalaureate internship in order to be eligible to take the National Dietetic Registration Exam. The address and phone number for CADE is: American Dietetic Association, 120 South Riverside Plaza, Chicago, IL 60606, phone: (312) 899-0040 ext. 5400 or 4872.

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## Bachelor of Business Administration Curriculum

### I. Recommended Lower-Level or Community College Curriculum: 60 Hours

General Education, General Electives, and Required Courses

a) Required lower-level courses

A minimum grade of "C" is required in each of these 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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Department of Public Health > Department of Clinical & Applied Movement Sciences > Department of Nutrition & Dietetics > Bachelor of Business Administration Curriculum  
> Dean's Office Contact Info

## Dean's Office

John P. McAllister, Ph.D., CPA, Dean  
(904) 620-2590; [jmcallis@unf.edu](mailto:jmcallis@unf.edu)

Bobby E. Waldrup, Ph.D., CPA, Associate Dean  
(904) 620-2590; [bwaldrup@unf.edu](mailto:bwaldrup@unf.edu)

Cheryl S. Campbell, MBA, Director, Student Services  
(904) 620-2575; [cheryl.campbell@unf.edu](mailto:cheryl.campbell@unf.edu)

Ron Davis, MBA, Director, Budgets/Finance  
(904) 620-1515; [rdavis@unf.edu](mailto:rdavis@unf.edu)

Shannon Italia, BBA, Director, Career Management Center, Coggin College  
(904) 620-2067; [sitalia@unf.edu](mailto:sitalia@unf.edu)

Anne Sheridan Fugard, M.Ed., Director, Study Abroad  
(904) 620-1290; [anne.fugard@unf.edu](mailto:anne.fugard@unf.edu)

### COGGIN COLLEGE OF BUSINESS

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## Department of Management

(904) 620-2780  
[www.unf.edu/coggin/management/](http://www.unf.edu/coggin/management/)

C. Bruce Kavan, Professor, Chair & Chairholder  
H. Eugene Baker III, Professor  
B. Jay Coleman, Professor & Chairholder  
Bruce Fortado, Professor  
Steven K. Paulson, Professor & Chairholder  
Cheryl A. Van Deusen, Professor  
Paul A. Fadil, Associate Professor  
Craig G. Harms, Associate Professor  
Dag Näslund, Associate Professor  
Crystal L. Owen, Associate Professor  
Robert W. Schupp, Associate Professor  
Steven A. Williamson, Associate Professor & Director,  
The Paper and Plastics Education and Research (PAPER) Institute  
Antony Paulraj, Associate Professor  
Lakshmi Goel, Assistant Professor  
Saurabh Gupta, Assistant Professor  
Rahul W. Kale, Assistant Professor  
Ping Ying Zhang, Assistant Professor  
Fred Pragasam, Senior Instructor  
Marjory Templeton, Senior Instructor  
Diane Denslow, Instructor  
Carol Spector, Instructor  
Koren Borges, Instructor

### Management Major

The management major is designed for students who envision embarking on a career that will lead them into organizational management. The mission theme of 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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## Department of Accounting & Finance

(904) 620-2630

<http://www.unf.edu/coggin/accounting>

John P. McAllister, Dean & Professor  
 Bobby Waldrup, Associate Dean & Associate Professor  
 Charles H. Calhoun, Professor & Chair  
 Thomas L. Barton, Professor & Chairholder  
 Timothy Bell, Professor, Chairholder & Coggin Distinguished Professor of Accounting  
 Reinhold P. Lamb, Professor & Chairholder  
 John B. MacArthur, Professor & Chairholder  
 Homer L. Bates, Professor  
 Jeffrey E. Michelman, Professor & Director of International Business Flagship Program  
 Parvez Ahmed, Associate Professor  
 Cheryl J. Frohlich, Associate Professor  
 David Jaeger, Associate Professor  
 John E. McElDowney, Associate Professor  
 Sidney B. Rosenberg, Associate Professor & Chairholder  
 Oliver Schnusenberg, Associate Professor  
 Bettie M. Adams, Assistant Professor  
 John Adams, Assistant Professor  
 Pieter de Jong, Assistant Professor  
 Lynn M. Comer-Jones, Associate Professor  
 Hubert W. Gill, Senior Instructor  
 Diane L. Tanner, Senior Instructor  
 James McCague, Instructor

### The Programs

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. In accounting, approximately 171 institutions have achieved AACSB accreditation at various degree levels.

The University of North Florida's accounting programs are among the best in the nation in preparing students to successfully take the Uniform CPA examination. UNF students have consistently ranked high in the nation in terms of the percentage of first-time candidates without advanced degrees passing all sections of the examination.

### 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

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career advancement in the accounting profession and the additional accounting coursework necessary to take the Certified Public Accountant (CPA) examination under Florida's accountancy law.

- To provide MBA students seeking to fulfill the CPA requirements the coursework necessary to take the CPA examination 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 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 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.

### **Finance Major and 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.

### **Finance Major**

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**

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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## Department of Marketing & Logistics

(904) 620-2780

Adel I. El-Ansary, Professor, Chair & Chairholder  
 Gregory T. Gundlach, Professor & Coggin Distinguished Professor of Marketing  
 Ronald J. Adams, Professor Emeritus  
 Robert Frankel, Professor, Co-Director, Transportation and Logistics  
 Flagship & Chairholder  
 A. Coskun Samli, Research Professor  
 Yemisi A. Bolumole, Associate Professor & Co-Director, Transportation and  
 Logistics Flagship  
 Youngtae Choi, Assistant Professor  
 Reham A. Eltantawy, Assistant Professor  
 Lynn Brown, Associate Director, Transportation and Logistics Flagship

### Marketing Major

[www.unf.edu/coggin/marketing/](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 18 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.

The upper-level requirements for a major in marketing are:

### Transportation and Logistics Major

[http://www.unf.edu/coggin/trans\\_logist/](http://www.unf.edu/coggin/trans_logist/)

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

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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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## Department of Economics & Geography

(904) 620-2640  
<http://www.unf.edu/coggin/economics>

Paul M. Mason, Professor & Chair  
Jeffrey W. Steagall, Professor  
Louis A. Woods, Professor  
Harriet A. Stranahan, Professor  
Mina N. Baliamoune-Lutz, Associate Professor  
Sharon C. Cobb, Associate Professor  
Andrés Alberto Gallo, Associate Professor & Director of International Business

### Flagship Program

Christopher K. Johnson, Associate Professor  
Lian An, Assistant Professor  
Chung Ping Loh, Assistant Professor  
Rujikorn Pavasuthipaisit, Assistant Professor  
W. Thomas Coppedge, Instructor  
Mary Beal-Hodges, Visiting Assistant Professor  
Wayne C. Coleman, Instructor

### The Program

The program of the Department of Economics and Geography 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.

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
- Statistical Theory

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:

- GIS 3043 Introduction to Geographic Info Systems
- GIS 4048 Intermediate Geographic Info Systems

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One of the courses listed above

Students receiving a BBA degree with a major in economics must meet all requirements for that degree, including the pre-requisites and the 21 hours common to all majors in the college.

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## International Business Flagship Program

(904) 620-2590  
[www.unf.edu/coggin/intlbus](http://www.unf.edu/coggin/intlbus)

Jeffrey Michelman, Professor, Co-Director of IB Flagship Program  
Andrés Gallo, Associate Professor, Co-Director of IB Flagship Program  
Anne Law Sheridan, Director, Study Abroad  
Kate Mattingly, Study Abroad Advisor  
Abbe Moody, IB Flagship Program Coordinator

### International Business Major

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. 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 receive 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 experience abroad which may include a ten day trip with a faculty member in a course, a semester abroad or an internship abroad.

International business majors must satisfy all requirements for the BBA degree.

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## Minors in the Coggin College of Business

Students wishing to obtain a minor must apply through an established procedure, which is available in the College's Student Service Center.

### Minor in Business Administration

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

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

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

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

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

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.



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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 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 Coggin College of Business Student Service Center at (904) 620-2575.

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## Study Abroad Opportunities

The Coggin College of Business provides its students with opportunities to experience first-hand the international aspects of business. Therefore, the College has set up student and faculty exchange agreements with institutions of higher learning throughout the world. The College's current exchange partners include the following:

- AUT University (Auckland, New Zealand)
- Beijing International Studies University (Beijing, China)
- Dongbei University of Finance and Economics (Dalian, China)
- EUROMED (Marseilles, France)
- ESC-Rennes (Rennes, France)
- ESCEM (Poitiers and Tours, France)
- ESG-Paris (Paris, France)
- European Business School (Paris, France)
- Cologne University of Applied Sciences (Cologne, Germany)
- Göteborg University (Göteborg, Sweden)
- Universidad Austral (Rosario, Argentina)
- Universidad Mayor (Santiago, Chile)
- Universidad de Montevideo (Montevideo, Uruguay)
- Warsaw university (Warsaw, Poland)
- University of Alicante (Alicante, Spain)
- University Rey Juan Carlos (Madrid, Spain)
- Catholic University of Louvain (Louvain-la-Neuve, Belgium)
- Otto-Friedrich University - Bamberg (Bamberg, Germany)
- Dortmund University of Applied Sciences (Dormund, Germany)
- University of Cooperative Education (Bad Mergetheim, Germany)

UNF has additional exchange partners at which Coggin students may study (visit The UNF International Center for a current list).

Students may study at one or more of these institutions for a semester or a year. At some institutions, students may take courses in English; at others, students must be fluent in a foreign language. Students participating in these exchanges pay tuition to UNF. The partner institutions charge no additional tuition or fees. Credits earned may count in the student's degree program at UNF.

The Coggin College of Business also offers short-term, faculty-led study abroad courses for credit. Typically, the Coggin College offers such study tours during spring break and summer breaks. These courses allow students to experience the culture and business practices of another nation directly, through lectures from university faculty, business visits, and discussions with foreign social and political leaders and students.

In some degree programs, students may also be eligible to complete internships abroad for course credit.

Detailed information about exchange and study abroad opportunities is available through the Study Abroad links at [www.unf.edu/coggin/intlbus/](http://www.unf.edu/coggin/intlbus/).

Coggin College Policy on use of International Academic Experience in Undergraduate Degree Evaluations.

Definitions: The Coggin College of Business allows its students to use in their degree evaluations the following three types of international academic experiences:

1. *Coggin-sponsored Faculty-led Study Abroad Courses*, which include international travel



and business visits as an integral part of a larger courses that focuses on business issues.

- Undergraduate students may use only one Coggin-sponsored faculty-led study abroad course (i.e., three credits) as a major elective.
- Undergraduate students *may not* use non-Coggin faculty-led study abroad courses as major electives.
- Students may use credits from Coggin-sponsored faculty-led study abroad courses elsewhere in their degree evaluations, including satisfying the following requirements:
  - i. Coggin Cultural Diversity
  - ii. Non-business Electives
  - iii. Free Elective

2. *Non-Coggin Faculty-led Study Abroad Courses* (i.e., those sponsored by other UNF colleges), which include international travel as an integral part of a larger course that focuses on non-business issues.

- i. Coggin Cultural Diversity
- ii. Non-business Elective
- iii. Free Elective

3. *Student Exchange Programs*, which provide students with the opportunity to take courses at foreign institutions. Most student exchanges are one or two semesters in duration. Shorter-term exchanges include the University of Provence and University of Montevideo (one month each) summer exchanges. Undergraduate students may use credits from student exchange experiences in their degree evaluations.

In all cases, the student and his/her advisor must agree in writing regarding how credits will be used *before* the student begins the study abroad or exchange experience.

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## Osprey Financial Group (OFG)

Osprey Financial Group is comprised of undergraduate and graduate students that invest a portion of the assets of the UNF Foundation in a diversified, actively managed portfolio of equity and fixed income securities. The principal is from a gift to the Foundation from Jody and Layton Smith expressly for the purpose of enabling a special group of students to manage a \$500,000 portion of the endowment. Due to the success of OFG's investment decisions, the original half-million dollar gift has grown to about \$750,000.

The course is organized like a professionally managed fund and students are assigned officer positions and sector responsibilities. The assets managed by OFG are invested in securities that comply with the guidelines for equity and fixed income securities contained in the University of North Florida Foundation, Inc. Statement of Investment Policies and Objectives. Within those parameters, each edition of OFG has the flexibility to establish an investment philosophy involving market capitalization, sector weights, and value and growth components. Quarterly Reports of performance are prepared and presented to the UNF Investment Committee.

OFG is a two-semester sequence of courses providing a maximum of six credits. Rather than enrolling in the course; however, students are required to apply. A maximum of 12 students is selected and they will comprise the class for both semesters. Eligible undergraduate students are majors in either finance or financial services. Eligible graduate students are enrolled in the MBA program and possess experience in personal or professional investing.

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## Academic Advisement

Each student must have an official degree evaluation 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/services](http://www.unf.edu/coggin/services).

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## Academic Policies

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.

### Required GPA

Students graduating with a BBA degree must have a minimum 2.0 GPA in all course work taken at UNF and in all upper-level course work taken at UNF. All students are required to have a minimum 2.0 GPA prior to enrolling in MAN 4720 Strategic Management and Business Policy or MAR 4803 Strategic Marketing.

### Admission with less than 2.0 Grade Point Average

Students who are admitted with less than the minimum 2.0 grade point average are placed on academic probation. Special conditions for admission are outlined by the Associate Dean of the College, and students must meet these conditions in order to continue their studies in the Coggin College of Business.

### Probation/Suspension Policy

If an undergraduate student's current term or total institution GPA drops below 2.0, the student will be placed on probation. Probationary status will remain in effect until both of the student's GPAs become 2.0 or higher. If both the current term and total institution GPA fall below 2.0 during the next term of enrollment, the student will be suspended. Students with a total institution GPA below 2.0 may not enroll in 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 course 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). A student cannot take MAN 4720 (Strategic Management and Business Policy) if on probation. Students wishing to be readmitted to the Coggin College after a third suspension must reapply through the UNF admissions process.

### Lower-Level Foundation

The lower-level foundation courses for the Coggin College of Business are prerequisites for all Coggin College of Business courses. Foundation courses are ACG 2021 (Principles of Financial Accounting), ACG 2071 (Principles of Managerial Accounting), ECO 2013 (Principles of Macroeconomics), ECO 2023 (Principles of Microeconomics), MAC 2233 (Calculus for Business), STA 2023 (Elementary Statistics for Business), and CGS 1100 (Computer Applications for Business). A grade of "C" or better is required in each of these foundation courses. A student should complete both these foundation courses and all lower-level requirements before taking upper-level work in the Coggin College of Business. With the permission of an academic advisor, a student may enroll in limited upper-level course work while completing the lower-level prerequisites. Foundation course work is also subject to the continuous enrollment rule described below. Admission requirements vary among programs at the eleven Florida public universities. To ensure that they have met all foundation requirements, transfer students from Florida community colleges should complete the following courses as part of their Associate in Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023 (or QMB 2100), and CGS 1100.

### General Education and Foreign Language

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All Coggin College of Business students (including transfers) are expected to complete all general education and foreign language requirements before reaching senior standing (90 credit hours). Students who do not comply with this policy may have their enrollment restricted to specific courses.

### **Continuous Enrollment**

Required upper-level courses may be included in a student's degree evaluation as long as the coursework was completed within ten years of the beginning of continuous enrollment in the Coggin College of Business at UNF. In addition, at least half of the major coursework must have been completed within five years of the beginning of continuous enrollment in the Coggin College of Business. This policy applies both to courses taken at UNF and courses taken at other institutions. For the purpose of this policy, continuous enrollment means enrollment for the purpose of seeking a degree and completion of one or more courses per term without a break of three consecutive terms (summer counts as one term).

### **Courses Taken at Other Institutions**

Students desiring to transfer upper-level course work to the Coggin College of Business must have that work approved and entered into a degree evaluation by an academic advisor in the Student Service Center in the Coggin College of Business. Students in the Coggin College of Business may transfer in a maximum of six credits of major courses in their degree evaluation. Degree-seeking Coggin College of Business students who have matriculated must satisfactorily complete all upper-level course work at UNF, unless prior written approval from the appropriate academic advisor or academic official is obtained. Further, matriculated students must complete all remaining prerequisite courses at UNF unless prior approval is obtained from their academic advisor. Students who enroll in upper-level courses at another institution while suspended from UNF may not transfer these credits back to UNF to satisfy any requirements of their degree programs. Students who are on academic probation at UNF may not enroll in lower-level course work at another institution unless prior written approval is obtained from the appropriate academic advisor.

### **Concurrent Enrollment**

Concurrent enrollment at another college or university is not allowed during a student's graduating semester.

### **"D" Grades**

There are several cases in which a "D" grade may not satisfy specific college or departmental requirements. Cases where "D" grades are not acceptable in the Coggin College of Business include "D" grades transferred from another institution, "D" grades made in the Coggin College of Business prerequisite courses (see the current listing of these courses on the following page), and "D" grades made in the common body of knowledge (core courses in business). All majors in the Coggin College of Business must earn grades of "C" or better in their major courses. For more information, please see the appropriate departmental major in the Coggin College of Business below.

### **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 (see Admissions section of this catalog) may apply after one semester to be degree-seeking students in the Coggin College of Business. This application must be made early enough to allow the student to be accepted as a degree-seeking student prior to taking any additional course work at UNF. 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 credit hours earned as a non-degree/non-admitted student may be transferred to an undergraduate degree program in the Coggin College of Business. Students enrolling in a non-degree/non-admitted status may not take upper-level business courses until all prerequisites have been satisfied.

### **Second Undergraduate Degree in Business Administration**

In order to earn a BBA degree from UNF, students who already hold a bachelor's degree in Business Administration must complete a minimum of 30 additional hours at UNF. This coursework must be directly related to the new major and new degree. A minimum of 21 credit hours of course work must be taken in the Coggin College of Business, of which at least 12 hours must be in the desired new major. 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.

For additional information on all academic policies for the Coggin College of Business, please consult the website at [www.unf.edu/coggin/services/](http://www.unf.edu/coggin/services/).

### **Multiple Minors**

Undergraduate students pursuing a BBA degree in the Coggin College of Business who wish

to pursue more than one minor may do so. Students should contact their academic advisor and have the multiple 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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## Career Management Center

The Career Management Center in the Coggin College provides outstanding support for companies interested in recruiting and/or providing internship opportunities.

Services provided include: individual career counseling, resume assistance, job and internship search support, career development workshops, practice interviews, hiring socials, and on campus recruiting events. Career Management Center staff works with students by appointment only. Additional information is available at <http://www.unf.edu/coggin/cmcl/>.

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## Department of Art and Design

<http://www.unf.edu/coas/art-design>

(904) 620-4037

The mission of the Department of Art and Design at the University of North Florida is to provide outstanding undergraduate teaching in the disciplines of studio arts (including painting, drawing, printmaking, ceramics and sculpture), photography, graphic design and 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 Department of Art and Design offers courses of study leading to career preparation in fine arts, graphic design and digital media, and art history as practitioners, teachers, artists or consultants; provides service courses in art 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 art history, painting/drawing, printmaking, ceramics, sculpture, and graphic design and digital media. The department interacts with various University and community agencies to provide conceptualization, visualization and execution of artistic concepts. 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 major in art leads to the B.A. or the B.F.A. degree with concentrations or respective specializations in painting, drawing, ceramics, sculpture, art history, graphic design and digital media, and photography. Students entering the program at the junior level with a minimum of 18 hours in lower division art courses may be required to present an art portfolio as an aid to program planning and for admission to the B.F.A. degree program.

Art majors in the College of Arts and Sciences must earn at least a 2.5 average in their art courses. No grade below "C" in major courses will apply toward graduation.

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## Department of Biology

<http://www.unf.edu/coas/biology/BioHome.html>

(904) 620-2830

The Department of Biology offers a Bachelor of Science degree for majors in biology. The curriculum for the biology degree prepares students for employment, graduate studies, and other professional programs such as human and veterinary medicine, dentistry, and optometry. In conjunction with the College of Education and Human Services, the Department also offers B.A.E. and M.A.E. degrees with majors in biology or general sciences. There is also the opportunity for a combined degree program with the University of Florida College of Dentistry. Students interested in this program are encouraged to consult with the Pre Medical advisor. Students with other majors can choose a minor in biology or environmental studies.

The faculty is committed to excellence in undergraduate instruction, with the objective of producing quality baccalaureate scientists. Faculty remain current in their disciplines through active research programs in the field and laboratory. Students can obtain credit for graduation through participation in the research programs of individual faculty members. Currently students and faculty are involved in research concerning aquatic and terrestrial ecology, cell and molecular biology, physiology, and microbial studies.

All students must complete the 36 semester hours of General Education Requirements. The major in Biology includes courses under the following headings:

|                            |                     |
|----------------------------|---------------------|
| Prerequisites              | (36 semester hours) |
| Core Requirements          | (8 semester hours)  |
| Major Requirements         | (18 semester hours) |
| Major Electives            | (12 semester hours) |
| Upper level Free Electives | (14 semester hours) |

The 36 semester hours of prerequisites include successful completion of several biology, chemistry, physics and mathematics courses before the student embarks on the biology major.

Completing prerequisites also fulfills the general education requirements for natural sciences (6 semester hours) and mathematics (6 semester hours). All major courses require a grade of "C" or better. Additionally, there are free electives available that provide the opportunity for biology majors to take a course in another field, a science field, or use these credits to take Precalculus (MAC 1147) in preparation for Calculus I and II. Students should consult with their advisor to determine whether their free electives may be taken at the lower level.

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## Department of Chemistry

<http://www.unf.edu/coas/chemistry>

(904) 620-2729

The Department of Chemistry offers a Bachelor of Science degree in chemistry. A minor is also offered in chemistry. 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 offered.

The importance of chemistry in the economic and intellectual life of the 21st century is obvious to thoughtful individuals. The increased use of complex technologies in agriculture, defense, health care, manufacturing and other industries indicates that the value of understanding chemistry will continue to increase for individuals and society. The department faculty is committed to excellence in undergraduate instruction, and has the objective of producing competent baccalaureate chemists, while engaging in active and productive research on topics of current interest.

Students in the chemistry program often participate in the research of our faculty. Currently, chemistry students can engage in research on chemical and enzyme catalysis, NMR studies of drugs and related molecules, isotope effects, theoretical physical chemistry, flow injection analysis, solid state inorganic chemistry and chemical sensor development. By a judicious choice of courses, students in research programs can obtain credit toward graduation. Many students receive financial support from faculty and university grants and other scholarships for their research activities.

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## Department of Communication

<http://www.unf.edu/coas/communication/>

(904) 620-2650

The Department of Communication's mission is to create and disseminate knowledge about human and mass-mediated communication processes through high-quality teaching, research, and service to the community. Our ambition is to develop leaders as well as to be leaders in public, professional and academic communities.

To this end, the department strives to:

- Create excellent programs and course in a wide range of communication styles, techniques, and technologies, including transformational learning opportunities and innovative pedagogy necessary for an educated and responsible global, multicultural citizenry.
- Focus resources on advancing teaching, scholarship, service and outreach designed to foster a lively environment of intellectual exchange and growth.
- Develop programs having immediate and lifelong relevance to the intellectual, economic, social, ethical, and cultural needs of the profession, students, and discipline.
- Continue to gather and reflect on information intended to further programmatic and instructional development.  
Develop stronger ties to regional communication professionals and to articulate our sense of departmental identity to faculty, students, alumni, and the larger community.
- Develop courses that enhance students' awareness and appreciation of diversity and cross-cultural issues, such as the relationship between culture and the mass media, the practice of international communication, and globalization.

The department provides instruction in a range of communication platforms from the Internet to wireless communication to converged technologies. Remaining current in these areas requires constant program assessment, revision of existing courses, and development of new courses to meet ever-changing demands. The communication faculty offers applied and theoretical studies to the practice of mass-mediated and interpersonal communication.

Communication students will be able to demonstrate the following competencies by graduation:

### Disciplinary Content Knowledge

Students will be able to:

- Demonstrate the ability to find, evaluate, and compile information.
- Conduct research effectively using appropriate methods.
- Apply basic numerical and statistical concepts as appropriate and evaluate the use of such concepts by others.

### Critical Thinking

Students will be able to:

- Demonstrate an ability to interpret and evaluate information.
- Use logic to solve problems and arrive at solutions.
- Work independently without relying solely upon others for guidance.

### Communication

Students will be able to:

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Demonstrate use of standard English.

- Use correct grammar, spelling, punctuation, and style consistently.
- Write with flair and originality.
- Discern the quality of own and others' work for accuracy, fairness, clarity, appropriate grammar, punctuation, and style.
- Competently communicate orally with appropriate style.
- Evaluate, summarize, synthesize, and critique written material.

#### Ethics and Values

Students will be able to:

- Apply laws, regulations, and ethics in communication practice.
- Display an awareness of the issues and perspectives that exist within different cultures.
- Use sources and information from diverse constituents.
- Demonstrate an appreciation for the diversity of groups in a global society in relation to communication.
- Demonstrate evidence of professional, attitudinal, and skills development.



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## Department of Criminology and Criminal Justice

<http://www.unf.edu/coas/ccj/>

(904) 620-1724

The Department of Criminology & Criminal Justice offers a variety of programs in the social sciences. The department offers the bachelor's degree in criminal justice. The department also offers a minor in criminal justice. A minor must be selected outside of the criminal justice major. Students should consult with their advisor for minor options. Finally, the department offers a graduate degree program in criminal justice.

**Criminal Justice:** Criminal justice education is one of the most rapidly growing modern disciplines in higher education today. The need for college-educated criminal justice personnel is recognized nationally. Understanding criminal behaviors and the administration of justice in America today also is becoming increasingly important in many professions outside of the criminal justice system. Teachers, counselors, clinicians, social workers, business personnel and governmental employees are only a few of the many professional who, in the course of their work, may have contact with the criminal justice system, its staff, or the offenders or victims involved in the system.

### Criminal Justice Major

The undergraduate degree program in 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 as a discipline draws together all the social and behavioral sciences, the natural sciences, the mathematical and computer sciences, and law and jurisprudence to focus on the problem of crime in society. Indeed, accreditation guidelines for post-secondary criminal justice education programs clearly specify that the curricula "must give explicit recognition to the multi-disciplinary character of the field." The UNF program is designed to comply with that standard.

There are no specific criminal justice prerequisites at the lower level, although STA 2014 (Elementary Statistics) is a prerequisite to CCJ 3700 (Research Methods in Criminology & Criminal Justice).

### Honors in Criminal Justice

Outstanding undergraduate criminal justice majors who are interested in graduating with the designation of "Honors in Criminal Justice" may apply for admission to the Criminal Justice Honors Program. Application should be made at least two semesters prior to graduation. Admission to the program requires: an overall GPA of 3.67 or better, junior or senior standing, and completion CCJ 3603 and SYA 3300; a letter of application to the Criminal Justice faculty, which includes a discussion of career plans and proposed research to be conducted for the Honors research project; and securing the sponsorship of a member of the Criminal Justice faculty to serve as the supervisor of the Honors research project.

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## Department of Economics and Geography

[http://www.unf.edu/coggin/economics/economics\\_ba.html](http://www.unf.edu/coggin/economics/economics_ba.html)  
(904) 620-2641

The program of the Department of Economics and Geography 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 recommend 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 economics, should take 3 of the following:

- ECO 3411 Business and Economic Statistics
- ECO 4303 History of Economic Thought
- ECO 4xxx 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

Statistical Theory 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

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- ECP 4413 Government and Business
- Students expecting to work in the field of planning should take
- GIS 3043 Introduction to Geographic Information Systems
- GIS 4048 Intermediate Geographic Information Systems
- One of the courses listed above

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## Department of English

<http://www.unf.edu/coas/english/>

(904) 620-2273

Every culture defines itself partly through its language. Every culture possesses a fund of stories, poems, traditions, and sayings which help to construct its sense of the world. Educated people everywhere are recognized through their ability to use language well. Our lives — professional, personal, and artistic — are enriched by our powers to speak and write as we would wish. The Department of English is devoted to the arts and skills of language.

The department serves UNF's students through training and education in English. Recognizing the centrality of writing skills to an educated citizenry, the department seeks to enhance its own expertise in the teaching of writing, to develop links between the department's composition courses and the remaining General Education curriculum, and to assist faculty in other departments as they, too, seek to teach writing.

Advanced study in English usually concerns the history, modes, contexts, and accomplishments of the linguistic arts. The department's courses often involve the reading of a culture through its literary products. Film and drama, as forms of story, fall within the department's range, as does literature in general, both oral and written, and linguistics. The English faculty actively advance knowledge in the department's domain.

The Department of English offers courses in American, British, Irish, and world literature, creative and expository writing, and linguistics.

The department offers the B.A. in English and the M.A. in English. Minors are offered in film studies, drama and English. Two concentrations lead to the B.A. in English: the basic major and the drama concentration. For those who major in English in the College of Education and Human Services, the Department offers courses toward certification at the secondary level.

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## Department of History

<http://www.unf.edu/coas/history>

(904) 620-2886

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 stresses the importance of the historical perspective for understanding contemporary social, political, technological, and economic problems. In the words of Woodrow Wilson, "A nation which does not know what it was yesterday does not know what it is today, nor what it is trying to do."

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 in-depth 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 in the first decade of the 21st century that students appreciate the certainty of continuing change, develop the intellectual skills to respond to that change, and maintain a value system enabling them to understand the world and involve themselves in it.

The department's goal is to graduate a liberally educated person who can view the world with a historical perspective, appreciate the traditions of various cultures, understand the role of change and continuity, and have interests encompassing humanities, social sciences, fine arts, and natural sciences. The history graduate should leave UNF with the ability to evaluate the world critically and with an understanding that education is a never-ending process.

### Honors in History

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 two semesters of 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) 620-2886.

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## B.A. in International Studies

Pamela A. Zeiser, Associate Professor & Program Director

The Departments of Sociology and Anthropology; Economics and Geography; English; History; Philosophy; Political Science and Public Administration; and World Languages cooperatively offer the interdisciplinary program in international studies.

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
- Latin American studies
- Middle East and African studies
- International Relations and Politics
- Foreign Language and Culture.

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.

### International Studies Minor

The Departments of Sociology, Anthropology and Criminal Justice; Economics and Geography; English; History; Philosophy and Religious Studies; and Political Science and Public Administration; and World Languages cooperate in offering an interdisciplinary program in international studies.

The minor in international studies allows undergraduate students to pursue an interdisciplinary and comparative study of foreign cultures and societies while fulfilling the academic requirements for a minor in one of the College of Arts and Sciences degree programs.

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## Department of Mathematics and Statistics

<http://www.unf.edu/coas/math-stat/>

(904) 620-2653

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.

It is recommended that prospective mathematics and statistics majors elect strong science options in their freshmen and sophomore years.

### General Information

The student must select either the mathematics or statistics program. All mathematics and statistics majors must have a minor; Bachelor of Science students must select their minors from the approved list of minors given below. A grade of "C" or better in all prerequisite, major and minor courses is required for graduation. Specifics of the degree programs offered by the department are given below.

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. The minimum total hours required for all 4 year degrees is 120 semester hours.

### Approved Minors For B.S. Students In Mathematics And Statistics

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).

### 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 Music

<http://www.unf.edu/coas/music/>

(904) 620-2960

### Mission Statement

The University of North Florida (UNF) Department of Music 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 Department of Music faculty, excellent instructors evidenced by their innovative pedagogy, scholarship, and research in their respective fields, serve as artist-teachers working with students in large and small performing ensembles as well as through individual applied instruction. Our comprehensive program is complemented by the Ira M. Koger Eminent Scholar Chair in American Music that supports an additional focus in jazz studies. 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 Department of Music provides music majors and non-music majors 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 area as ambassadors throughout the region, the nation, and the global community.

### Accreditation

The Department of Music is accredited by the National Association of Schools of Music. The music program leads to a Bachelor of Music degree, a Bachelor of Arts degree, and the Bachelor of Music Education degree. Before acceptance into the program, students must complete a performance audition successfully. For more information about auditions, please contact the Department of Music office at (904) 620-2960. Piano proficiency exams, theory placement tests, and ensemble placement auditions are held during the first class meetings of the semester.

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## Department of Philosophy

<http://www.unf.edu/coas/philosophy/>

(904) 620-1330

Literally the love of wisdom, philosophy is the passionate pursuit of insight, guided by an open and critical spirit of inquiry. Philosophy courses, which are open to all students, teach us to appreciate classical writings that address our deepest questions, to identify unexamined assumptions, to evaluate the ideas and norms that motivate intellectual inquiry, and to participate intelligently and responsibly in significant debates of our times.

UNF offers a Bachelor of Arts degree 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. The program provides a faculty mentor to guide each and every philosophy major.

Areas of faculty expertise include aesthetics, American philosophy, ancient Greek philosophy, early modern philosophy, Asian and comparative philosophy, biotechnical ethics, classical German philosophy, contemporary European philosophy, environmental philosophy, epistemology, ethics, applied ethics, feminist theory, logic, metaphysics, philosophy of language, philosophy of religion, philosophy of science, pragmatism, and social, political and legal philosophy.

Introductory courses (Contemporary Ethical Issues, Introduction to Philosophy, and Reasoning and Critical Thinking) partially meet UNF General Education requirements and Gordon Rule writing requirements, and serve as a foundation for more advanced and specialized courses.

Required courses in philosophy are offered every year.

Further information on course offerings and other aspects of the program can be obtained by consulting the Department's [website](#).

### B.A. in Philosophy

To assist philosophy majors both in focusing their programs of study and in better relating their studies to career objectives, the department permits students to group their elective courses around six programs of emphasis or concentrations, which are reflected on a student's transcript and diploma. Except for Concentration 1, General Philosophical Studies, all concentrations represent a specific subfield of philosophy. Students are under no obligation to select a particular concentration. Those who make no selection will automatically be assigned to Concentration 1. Students in any track must still complete all courses required for the major. Students in Concentration 1 are free to select their 15 elective credit hours from any courses offered by the program; those in the other tracks must take at least 12 of their 15 elective hours in a particular track, and may take an additional three-hour elective in any other area.

### 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

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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.

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## Department of Physics

[www.unf.edu/coas/physics](http://www.unf.edu/coas/physics)

The Department of Physics offers the Bachelor of Science degree in physics with six concentrations: traditional physics, astrophysics, engineering physics with civil or electrical or mechanical engineering emphases, and computing emphasis. 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. In conjunction with the College of Education and Human Services, B.A.E. and M.A.E. degrees with a major in physics is offered. New concentrations in premedical professions and materials physics are currently under development.

The importance of physics in the economic and intellectual life of the 21st century is obvious to thoughtful individuals. The increased use of complex technologies in microelectronics, optics, space and renewable energies, defense, health care, manufacturing and other industries indicates that the value of understanding science will continue to increase for individuals and society. The department faculty is committed to excellence in undergraduate instruction, and has the objective of producing competent baccalaureate physicists, while engaging in active and productive research on topics of current interest.

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  $T_c$  superconductors, magnetite, optical studies of correlated electron systems, non-linear optical and electrical transport properties of nanocrystals, theoretical astrophysics, experimental and computational nuclear physics, physics history, and experimental membrane, interface, and sensor physics. By a judicious choice of courses, students in research programs can obtain credit toward graduation. Many students receive financial support from faculty grants and university grants and scholarships for their research activities.

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## Department of Political Science and Public Administration

<http://www.unf.edu/coas/polsci-pubadmin/>

(904) 620-2977

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 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. These minors may be taken with a student's major program; students should consult with their advisor on procedures for declaring a minor. Finally, the department offers a graduate degree program in public administration.

### B.A. 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 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. 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

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other concentrations. The remaining free electives may be selected from any concentration or any other approved political science course except the foreign culture courses.

### **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.

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## Department of Psychology

<http://www.unf.edu/coas/psychology/>

(904) 620-2807

Psychology may be defined as the scientific study of the behavior of humans and animals. The goal of the Department of Psychology is to help students understand the history, methods, and philosophy of the differing approaches to the study of behavior.

Completion with a "C" grade or better in general psychology, elementary statistics and general biology is required prior to full admission to the degree program. A required comprehensive examination and exit interview must be completed during the student's final semester.

Psychology majors in the College of Arts and Sciences must earn at least a "C" in psychology courses applied towards the major.

Psychology majors may receive either a Bachelor of Arts degree or a Bachelor of Science degree.

### Honors in Psychology

Outstanding undergraduate psychology majors who are interested in graduating with the designation "Honors in Psychology" may apply for admission to the Psychology Honors Program after successful completion of the Honors Thesis Prospectus course through the Honors Program. Application should be made at least two semesters prior to graduation. Admission to the program requires: an overall GPA of 3.67 or better; junior or senior standing; completion of at least three psychology courses at UNF with a GPA of 3.67 or better in psychology courses and no grade less than "B"; an application to the chairperson of the Department of Psychology, which includes a letter discussing career plans and the Honors Thesis Prospectus; and securing of the sponsorship of a member of the faculty of the Department of Psychology to serve as the supervisor of the Honors project. In addition to departmental requirements, all Honors in Psychology students must complete two one-hour courses offered through the Honors Program. The first course is the previously mentioned Honors Thesis Prospectus course; the second is the Honors Thesis Seminar. It is recommended that students interested in Honors in Psychology also consult the advisor in the Honors Program early in planning for Honors in Psychology.

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## Department of Sociology and Anthropology

<http://www.unf.edu/coas/soc-anth/>

(904) 620-2850

### Sociology

Sociology is an empirically-based social science discipline concerned with the development of systematically organized knowledge about human groups, communities, social institutions, and societies. It focuses upon social interaction as its basic unit of observation. The sociology major is designed to provide the student with the basis for a broad liberal arts education and to equip him/her with the conceptual, theoretical, and methodological tools necessary to pursue a career in a social service occupation or as a professional sociologist, following a program of graduate studies. Sociology is frequently pursued by students who desire greater understanding and insight into the systems and processes of society which bear upon them in their everyday lives, so that they might make some relevant contribution to their society and to the individuals in the society. The major program leading to a Bachelor of Arts degree in sociology is designed to combine a broad range of courses with a central core which provides a basic integrating framework. The completion of two courses in introductory sociology are prerequisites for entry into the program. Completion of introductory courses in the other social sciences — psychology, political science, history, and economics — is recommended. The program for the Bachelor of Arts degree in sociology has a core of courses designed to introduce students to the major areas of the discipline.

### Anthropology

Anthropology seeks to investigate, describe, and explain humankind. To accomplish this, anthropologists look at what makes us human:

1. Cultural adaptations and diversity both in the past (Archaeology) and in the present (Cultural Anthropology),
2. The diversity and unity found among human languages and the origins of symbolic communication (Linguistics).
3. The place of humans in the natural world, including human biological evolution and variation (Physical Anthropology).

Anthropology, in its approach to understanding humankind, utilizes the natural and social sciences as well as the humanities. Anthropology has always been an interdisciplinary field due to its holistic, comparative, and evolutionary perspective on humankind. One essential dimension of anthropology is its engagement with and teaching about other cultures. As the world becomes more globally connected, anthropology provides students with essential skills and knowledge that promote understanding and appreciation of social and cultural differences in contexts such as tourism, business, and government.

The completion of two introductory courses in anthropology is a prerequisite for entry into the program. The program of study consists of a core of required courses providing a holistic overview of the discipline. Students will also take six courses from the list of Major Electives in Anthropology.

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## Department of World Languages

<http://www.unf.edu/coas/world-languages/>

(904) 620-2282

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 World Languages is to continue to expand the opportunities for UNF students to learn to speak a language fluently, to read it well and to converse and write with ease about the literature and culture associated with it. Therefore, the department offers Bachelor of Arts degrees in both French Studies and Spanish, as well as minors in French and Spanish. In addition, Chinese, German and Latin are offered each academic year.

Pursuant to its mission, the Department of World Languages encourages students to study abroad by working in conjunction with the UNF International Center. The department sponsors summer programs in Santander, Spain, Strasbourg and France. Given an existing relationship with the University of Alcalá de Henares (Spain), those who seek a longer experience abroad may study Spanish language, culture and literature for a semester or an entire year in Alcalá, Santander and Naples (France). 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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[International Studies \(B.A.\)](#)

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College of Computing, Engineering & Construction

Department of Political Science and Public Administration > Department of Psychology > Department of Sociology and Anthropology > Department of World Languages > CCEC Homepage

## College of Computing, Engineering & Construction

Peter Braza, Ph.D., Interim Dean & Professor  
Gerald Merckel, Ph.D., Associate Dean & Professor

Building 15, Room 3400  
(904) 620-1350  
[www.unf.edu/ccec](http://www.unf.edu/ccec)

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.

### Laboratory and Computing Facilities

[www.unf.edu/ccec/facilities/](http://www.unf.edu/ccec/facilities/)

Coursework in the college is supported by discipline-specific and general laboratories. In the Computing Sciences, classes use both general campus computing facilities and advanced School of Computing (SoC) laboratories. The advanced SoC computing laboratories are configured specifically to support upper level and graduate instruction in multimedia, image processing/graphics, robotics, database, software development, and communications/networking, utilizing Windows and UNIX operating systems environments. Courses in the School of Engineering are supported by specialized laboratories, most of which are equipped with advanced computers and engineering instrumentation. Laboratories are also provided for senior design. The Construction Management program uses computing and construction materials laboratories.

All of the college's computing systems are networked via file servers and are on the campus fiber-optic network. General campus computing equipment provided by the UNF Information Technology Services includes DEC/Alpha central systems supporting the general student laboratory and campus computing needs. Students are provided with e-mail and Internet access, which is fully accessible from laboratories or via dial-up connection from off campus. The specialized advanced computing and engineering laboratories housed within the college extend general campus computing services by adding advanced facilities supporting the range of research and instruction that characterizes the college's degree programs.

### Accreditation

The computer science program is accredited by the Computing Accreditation Commission (CAC) of ABET Inc. The information systems program is accredited by the CAC of ABET Inc. The undergraduate electrical engineering, civil engineering, and mechanical engineering programs are accredited by the Engineering Accreditation Commission (EAC) of ABET Inc. The undergraduate construction program is accredited by the American Council for Construction Education (ACCE).

COMPUTING, ENGINEERING &  
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School of Computing

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Academic Policies

School of Computing Faculty

School of Engineering

Construction Management

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## **Mission**

The mission of UNF's College of Computing, Engineering, and Construction is to provide our students with the highest level of education and professional experiences. The College will focus on continuous improvement for students and graduates by interacting with professional constituents in the community and offering excellence through teaching, research, scholarship and access to all.

## **Vision**

UNF's College of Computing, Engineering, and Construction aspire to be recognized nationally as a premier urban institution for innovative degree programs and research. This preeminence will drive the economic, civic and cultural development of Florida's dynamic First Coast region and beyond.

## **Values**

Fundamental to the College's success is maintenance of the highest standards for its degree and research programs, with ABET and ACCE accreditation essential; development of its students' leadership, communications, and technical abilities; respect for its students, faculty, staff, industry and civic partners and stakeholders; and a commitment to integrity and ethical behavior.

## **Academic Advisement**

Each student must have an official degree evaluation (program of study) on file with his or her academic advisor in the college. Students should meet with an academic advisor concerning their program requirements as early as possible, preferably before registration for their first semester at UNF.

Degree evaluations are prepared after the Office of Admissions has evaluated a student's transcripts. Contact information for CCEC Advisors can be found at [www.unf.edu/ccec/advising/index.html](http://www.unf.edu/ccec/advising/index.html).

## **Dual Degree Program (Bethune-Cookman)**

The college and Bethune-Cookman College (BCC) offer a dual degree 3/2 program. A student completing a three-year program at BCC may then enroll in building construction management or any of the engineering programs offered by the college. Upon successful completion of the 3/2 program, the BCC student receives two Bachelor of Science degrees, one each from BCC and UNF.

## **Dual Degrees at UNF**

Students desiring to obtain two baccalaureate degrees, one from CCEC and one from another UNF college, must meet the requirements for both degrees, earn a minimum of 150 credit hours, and have the approval of both colleges. The application for graduation must indicate both degrees.

## **Double Majors**

Double majors within the same degree are not permitted in this college.

## **Multiple Minors**

Undergraduate students pursuing a degree in this college are permitted to pursue more than one minor in their program of study. Official declaration of the minor(s) is necessary to ensure the minor(s) will be recorded on the degree evaluation, and university transcripts. Students must meet with their academic advisor to discuss the minor(s) selected. Students majoring in computer science, information technology, electrical engineering, civil engineering, mechanical engineering or building construction management are not required to select a minor.

## **Transformational Learning Opportunities**

Transformation Learning Opportunities (TLO) are available for a variety of enriching experiences while pursuing a degree at UNF, including but not limited to, directed independent research, cooperative experiences, study abroad and internships. With prior approval, some of these may also be used for academic credit.

## **CCEC Certificate in Leadership Development**

The Certificate in Leadership Development is designed for both degree-seeking students and working professionals interested in enhancing their leadership abilities. This program provides students the opportunity to explore leadership styles, study effective industry leaders, and develop marketable skills. Participants will tailor this program to meet their needs through a variety of course options in areas of leadership foundation, communication and interpersonal skills, historical and political perspectives, ethical and legal considerations, and business skills.

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College of Computing, Engineering & Construction

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### Mission

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Mechanical Engineering  
Program

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CCEC Distance Learning





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College of Computing, Engineering & Construction

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## Construction Management

Mag Malek, Ph.D., Associate Professor & Chair  
David James Lambert, Ph.D., Associate Professor  
John Dryden, Ph.D., Assistant Professor  
Aiyin Jiang, Ph.D., Assistant Professor  
Roberto Soares, Ph.D., Assistant Professor  
Carol Woodson, Ph.D., Assistant Professor  
James Sorce, MBA, Academic Advisor & Instructor

(904) 620-2683  
[www.unf.edu/cccec/bcm/](http://www.unf.edu/cccec/bcm/)

### Mission

To educate and develop construction professionals through rigorous, relevant, accredited degree programs offered by faculty devoted to teaching, scholarly activities, services and community involvement.

### Values

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:
  - o Requires interaction between faculty, students, and industry inside and outside the classroom.
  - o Provides opportunities for transformational learning activities, such as internships, service learning, and robust engagement with our industry.
  - o Emphasizes career development and placement opportunities.

The program goals are:

1. The Department will develop and maintain a high quality Bachelor of Science program in Building Construction which enables graduates to achieve their maximum potential in the building construction field.
2. The Department will focus its resources on the continuing development of a construction management program of the highest quality.
3. 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.
4. The Department will maintain an active presence in the First Coast Community and beyond.
5. The Department will recruit and retain exceptional faculty and staff to ensure quality academic programs.

### Program Educational Objectives

The Construction Management program produces graduates who:

- have the ability to work with all types of people.
- have the ability to think and reason logically.
- have the ability to understand and solve construction problems.
- have the ability to make sound economic decisions.
- have the ability to communicate clearly and concisely, both orally and written.

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- are computer literate and Internet capable.
- know and uphold ethical standards of the field.
- are prepared for successful entry into the construction industry.
- have the ability to lead in the construction industry and in the community.

The program consists of management-oriented technical curricula built upon 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, or industrial construction industry. Typical employment positions include estimator, assistant project manager, assistant superintendent, field engineer, project manager or construction company manager.

### **Accreditation**

The Construction Management program is accredited by the American Council for Construction Education through July, 2011.

### **Admission**

Minimum requirements for admission into the Construction Management Program include:

1. Completion of the minimum general education requirements from a State of Florida two-year community college or four-year university;
2. A minimum of 63 credit hours of college course work with an overall GPA of 2.0 or better;
3. 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.\*

### **Academic Advising**

The Construction Management Department provides individualized academic advisement to all its students. Students interested in the Construction Management major are required to meet with an academic advisor to:

1. Evaluate the student's course work to determine whether prerequisites for the major have been met and
  2. Plan a program of study for the student to follow.
- Students are encouraged to make an advising appointment as early as possible to develop their program of study. This will enable them to progress in an efficient manner toward the completion of a degree.

### **Internship**

All Construction Management students are encouraged to take a one-semester internship. Students may elect to take an additional construction concentration track class to replace the internship requirement. In like manner, students may elect to do a second internship instead of one of the concentration track class requirements.

### **Construction Industry**

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, Elkins Constructors, Haskell, Hensel Phelps, Hubbard, Kiewit, Miller Electric, RJ Griffin, Sauer, Stellar, Superior, Whiting-Turner.

Sponsored CM Scholarships

- Elkins Constructors, Inc.
- The Haskell Company
- Stellar
- American Society of Highway Engineers
- American Concrete Institute
- Miller Electric Company
- Retail Contractors Association

### **Graduation Requirements**

The following are minimum requirements for the Bachelor of Science degree:

1. A minimum of 120 credit hours for the four-year program, which includes general education requirements plus the prerequisite and required courses, listed below;
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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## CCEC Distance Learning

### *Any Time, Any Place*

Donald D. Farshing Video Production Classroom  
Jerry Merckel, Ph.D., *Director*

email the DL staff:  
[dl@ccec.unf.edu](mailto:dl@ccec.unf.edu)

R. Elaine Poppell, Sr. *Broadcast Technologist*  
[rpoppell@unf.edu](mailto:rpoppell@unf.edu) (904) 620-1876

Charlie Willwerth, *Broadcast Engineering Technician*  
[c.willwerth@unf.edu](mailto:c.willwerth@unf.edu) (904) 620-2695

Distance learning allows students to enrich their knowledge without time or place restrictions. Each distance learning class is the equivalent of an on-campus section of the same course. Like on-campus students, distance learning students receive full access to campus resources.

CCEC offers a variety of classes which are recorded live in the Donald D. Farshing Video Production Classroom and web cast over the Internet for streaming and downloading. Lectures are available in both Windows Media Video and mpeg-4 video formats, and can be accessed by distance learning students any time, any place with a high-speed Internet connection. Students may view lectures on their desktop computer, laptop, I-Pod, smart cell phone or other mobile device.

CCEC Distance Learning at UNF provides students with the highest quality 'e-Learning' experience possible. Students have the benefit of flexible class scheduling, and may access video lectures any time and as often as they like.

Distance Learning / FEEDS: A fee of \$125 will be assessed for students enrolling in distance learning sections of video-based courses conducted in the CCEC Video Production Classroom to help supplement the additional costs involved in delivering these classes. The fee is only a partial recovery of our total expenses.

For more information, visit <http://elearn.ccec.unf.edu/>.

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College of Education & Human Services

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## Admission Requirements

Applicants must meet minimum requirements for admission to undergraduate programs as established by State of Florida rule and University of North Florida policy.

All programs presuppose that students have sufficient academic background to pursue the professional courses provided in the College of Education and Human Services. For specific requirements, refer to programs of study for each major.

### Special Requirements for Admission to Bachelor of Arts in Education Programs

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 Education; EDF 2085 Teaching Diverse Populations; EME 2040 Introduction to Educational Technology) 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.

### Graduation Requirements

Requirements for the Bachelor of Arts in Education degree are as follows:

1. Satisfactory completion of the minimum number of credits required by the particular program of study, of which at least 48 credits must be earned at the upper-level.
2. Satisfactory completion of the last 30 upper-level credits in the degree program in residence at UNF.
3. Satisfactory completion of all field experience and internship requirements.
4. Successful completion of all critical task assignments for the given major.
5. Passing scores on all parts of the (a) General Knowledge Test, (b) Professional Education (PED) and (c) Subject Area (SAE) components of the Florida Teacher

EDUCATION & HUMAN SERVICES

Admission Requirements

Department of Childhood Education

Department of Exceptional Student and Deaf Education

Department of Foundations and Secondary Education

Department of Leadership, Counseling & Instructional Technology



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.

\* 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 complete internship nor be eligible to graduate.

### **Teacher Certification**

Students will be eligible for a State of Florida teaching certificate in their specializations if they successfully complete the academic, field/clinical experiences, and professional testing requirements.

### **Directed Independent Studies**

The intent of an independent study is to allow a student to pursue a selected topic in greater depth under the direction of a College of Education and Human Services faculty member. Regularly offered courses typically involve classroom interaction and for this reason are not offered as independent studies. Students who qualify for an independent study or need additional information should contact the individual professor. Independent study courses are not available for students enrolled in the pre-kindergarten/primary concentration of elementary education.

### **Field/Clinical Experiences**

The College of Education and Human Services is committed to providing teacher education students with a wide variety of field-based, clinical experiences. Because of this commitment, all teacher education students will participate in at least one urban field experience in the Duval County Public Schools.

All students enrolled in College of Education and Human Services courses that require a field or clinical component and/or are taught at a school site are mandated by state law to be fingerprinted and receive background clearance before entering the school. Please note that individual school districts may require clearances even if the student has already received clearance from another district. Students should be aware that noncompliance with fingerprinting requirements will result in the inability to complete course requirements. Contact the Office of Educational Field Experiences at (904) 620-3934 for information regarding fingerprinting procedures.

### **Pre-Internship**

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**

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.

### **General Education and College Prerequisites**

The Florida Board of Education has established general education requirements applicable to all students enrolled in undergraduate programs leading to teacher certification. These requirements are more substantial than the University's general education requirements, and exact courses vary by program of study. Students should consult with an advisor to assure compliance with these requirements.\*\*

\* Internship is not offered in the summer term. Fall term applicants must apply for internship by the 4th week of the previous spring term.

\*\* A grade of "C" or better must be obtained in all lower division and prerequisite courses required by the College of Education and Human Services, and an overall GPA of 2.5 or better must be maintained.

### **Professional Education Minor**

UNF students may select the Professional Education Minor offered by the College of Education and Human Services to satisfy the University minor requirements. The Professional Education Minor meets the minimum 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.

### **Teacher-Certification-Only**

Students who have completed a bachelor's degree in a non-education field of study may pursue Florida teacher certification through "Teacher-Certification-Only" (TCO) studies. Please note that all TCO coursework must be taken at the graduate level (i.e., 5000 or 6000 level courses) unless graduate-level courses are not offered. TCO does not lead to the awarding of a degree or certificate. Students interested in TCO should contact the College's Office of Academic Advising.

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## Department of Childhood Education

<http://www.unf.edu/coehs/college/departments/DCE/dce.htm>

Ronghua (John) Ouyang, Professor and Chair  
Wanda Hedrick, Professor  
Candice Carter, Associate Professor  
Nile Stanley, Associate Professor  
Christine Weber, Assistant Professor  
Jacqueline Batey, Assistant Professor  
Jin-Suk Byun, Assistant Professor  
Elizabeth Fullerton, Assistant Professor  
Katrina Hall, Assistant Professor  
Katie Monnin, Assistant Professor  
Lunetta Williams, Assistant Professor

### Purpose and Programs

The Department of Childhood Education's mission is to increase the pool of 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 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 partners to provide pre-service teachers with supervised field experiences which offer opportunities for authentic learning, problem solving, research and service.

The Department of Childhood Education offers undergraduate programs in the following areas:

Elementary Education, with majors in:

- Pre-Kindergarten - Primary Education (age 3 - grade 3)
- Elementary (grades K - 6)

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 department faculty will include those methods the students are expected to learn.

While the Department of Childhood Education has formulated specific lists of prerequisite courses, all students are expected to be able to demonstrate basic skills in communication throughout the program. In addition to this, elementary majors will be expected to demonstrate basic skills 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.

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 is required for graduation.

The State of Florida mandates certification requirements for teachers. Students should see their advisors frequently to obtain appropriate advisement for current certification

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Construction Management > CCEC Distance Learning > Admission Requirements > Department of Childhood Education > Department of Exceptional Student and Deaf Education

## Department of Exceptional Student and Deaf Education

<http://www.unf.edu/coehs/college/departments/ESDE/se.htm>

Len Roberson, Chair, Associate Professor and Program Leader: Deaf Education  
 Thomas S. Serwatka, Vice President and Professor  
 Gerard R. Giordano, Professor  
 Donald F. Moores, Professor  
 John J. Venn, Professor  
 Marsha H. Lupi, Associate Dean and Associate Professor  
 Karen Patterson, Associate Professor & Program Leader: ESE  
 Sherry L. Shaw, Associate Professor & Director of ASL/English Interpreting Program  
 Christine Webb, Associate Professor & Director of Disability Resource Center  
 Caroline Guardino, Assistant Professor  
 Susan Syverud, Assistant Professor  
 Michael Stultz, Instructor, ASL  
 Sharon Crutchfield, Staff Interpreter

### Purpose and Programs

The undergraduate program in Special 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 exceptional student education. Exceptional Student and Deaf 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. Students may also prepare for a B.S.E. degree in ASL/English Interpreting.

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. 9 Room 2305, (904) 620-2530.

The state of Florida mandates certification requirements for teachers. Students should see their advisors 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 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.

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## Department of Foundations and Secondary Education

<http://www.unf.edu/coehs/college/departments/FSE/fse.htm>

Jeffrey W. Cornett, Chair and Professor  
 Marianne B. Barnes, Professor  
 Phillip S. Riner, Professor  
 Allan Sander, Professor  
 G. Pritchey Smith, Professor  
 Richard H. Chant, Associate Professor, Program Leader: Middle/Secondary  
 Otilia Salmon, Associate Professor  
 Michael P. Ramsey-Smith, Associate Professor  
 Cassandra Z. Etgeton, Assistant Professor  
 Wanda Lastrapes, Assistant Professor  
 Meiko Neishi, Assistant Professor  
 Madalina Tanase, Assistant Professor  
 John W. White, Assistant Professor  
 Jenifer Thorn, Instructor  
 Fred Nelson, Instructor

### Purpose and Programs

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
  - Chemistry
  - English
  - Mathematics
  - Physics
  - Social Studies

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

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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.

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 is required for graduation.

The state of Florida mandates certification requirements for teachers. Students should see their advisors a minimum of once each semester to obtain the most current information on certification requirements.

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## Department of Leadership, Counseling & Instructional Technology

<http://www.unf.edu/coehs/college/departments/LCT/lct.htm>

E. Newton Jackson, Chair and Professor  
Larry G. Daniel, Dean and Professor  
Sandra L. Gupton, Professor  
Katherine M. Kasten, Professor  
Elinor A. Scheirer, Professor  
Carolyn B. Stone, Professor  
Warren A. Hodge, Associate Professor  
Jennifer Kane, Associate Professor  
Kenneth T. Wilburn, Associate Professor  
Christopher A. Janson, Assistant Professor  
Marcia L. Lamkin, Assistant Professor  
Jason W. Lee, Assistant Professor  
Marcelle C. Lovette, Assistant Professor  
LaTara Osborne-Lampkin, Assistant Professor  
Sejal Parikh, Assistant Professor  
Kristi Sweeney, Assistant Professor  
Wendy Dunlap, SOAR Clinical Educator

### Purpose and Programs

The Department of Leadership, Counseling and Instructional Technology offers undergraduate programs in the following areas:

- Sport Management
- Community Sport

### 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. Jennifer Kane, or an academic advisor in the College of Education and Human Services.

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## Admissions Policy for the Honors Program

The Honors Program is highly selective, admitting fewer than 15 percent of the entering freshman 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.

### Admissions Policy for First Time In College (FTIC) Students

If you meet the following criteria, there is no separate application required for the Honors Program

#### Auto-Admits

If you are an All UNF Academic, Presidential, or Blue & Gold scholarship recipients, then no application is necessary. You are automatically invited to join the UNF Honors Program. In addition, if your GPA and standardized test score meet the following criteria, you are also automatically invited to join the Honors Program.

#### GPA/Test Score requirements:

- $(\text{GPA} \times 100) + \text{SAT test score} \geq 1500$  or
- $(\text{GPA} \times 100) + (\text{ACT test score} \times 100) \geq 3000$

To show that you accept admission into the Honors Program, you must submit an Intent form, which you will receive with your invitation.

#### Applicants for Review Process

Students who do not meet the criteria stated above for auto-admission are encouraged to apply by submitting an on-line application that can be accessed from the [Honors website](#). Often students who do not meet the auto-admission standards appreciate the Honors curriculum the most and excel once they enter college, so no one is discouraged from applying.

Applications are accepted for the Honors Program from September 1 to May 1 of every year. The Honors Program is a limited access program and spaces are filled on a first-come-first-served basis. After our student capacity has been met, students who are admitted into the program will be placed on a wait list.

### Admissions Policy for Transfer Students or Current UNF Students

Students who did not join the Honors Program as first year students or who are transferring from another school may join the program if they have a minimum college GPA of 3.4. They must complete the on-line Honors Application accessed through the [Honors website](#) by October 1 for Spring term and May 1 for Fall term.

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## Graduation through the Honors Program

There are four Honors Program distinctions that students may earn when they graduate from the University of North Florida. These are University Honors or Baccalaureate Honors, and Honors in the Major or Interdisciplinary Honors. These distinctions should not be confused with Latin Honors (Cum Laude, Magna Cum Laude, and Summa Cum Laude), which are awarded to students at graduation based solely on their cumulative UNF GPAs.

### Graduating with University Honors or Baccalaureate Honors

The requirements for these two mutually exclusive distinctions have not yet been approved by the Academic Programs Committee and the Office of Academic Affairs. Please see the website for the latest information. Either "University Honors" or "Baccalaureate Honors" will appear on both the student's transcript and diploma.

### Graduating with Honors in the Major or Interdisciplinary Honors

To successfully complete the Honors in the Major track, students must complete the requirements and maintain a cumulative UNF GPA as specified by their major. If the student's major does not allow Honors in the Major, the student may substitute an interdisciplinary Honors thesis for the Honors in the Major thesis. "Honors in the Major" or "Interdisciplinary Honors" will appear on both the student's transcript and diploma. It is possible for a student to earn Honors in the Major or Interdisciplinary Honors in addition to either University Honors or Baccalaureate Honors. It is also possible to earn Honors in the Major or Interdisciplinary Honors without earning either University Honors or Baccalaureate Honors.

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## Course Work Requirements for University and Baccalaureate Honors

The requirements to obtain either University Honors or Baccalaureate Honors are changing in order to make the program more flexible and to meet the needs of a broader range of students. At the time of the catalog's publication, the changes had not yet been approved by the Academic Programs Committee and the Office of Academic Affairs. Therefore, for the latest information on the program requirements, please check the [Honors Program website](#).

### Requirements for Honors in the Major

The following are the minimum requirements for Honors in the Major. Depending on the major, there may be additional requirements. Students should contact their upper level advisor or the undergraduate research coordinator to obtain additional information.

#### Brooks College of Health

All Majors: Complete an Honors Research Thesis in the student's major and complete the core course work of one of the Brooks College of Health's major programs with a minimum 3.5 GPA .

#### Coggin College of Business

All Majors: Complete an Honors Research Thesis in the student's major and obtain a cumulative GPA of 3.5 or higher in all college course work.

#### College of Arts and Sciences

**Biology:** Complete an Honors Research Thesis in biology, obtain an overall GPA of 3.5 or higher, and complete at least three natural science courses with a grade of no less than a "B."

**Chemistry:** Complete an Honors Research Thesis in chemistry, obtain an overall GPA of 3.5 or higher, and complete at least three natural science courses with a grade of no less than a "B."

**History:** Complete an Honors Research Thesis in history and complete four history courses with an overall GPA of 3.5 or higher.

**Mass Communication:** Complete an Honors Research Thesis in mass communication, obtain an overall GPA of 3.5 or higher, and complete MMC 3105 and MMC 3422 with a "B" or above.

**Mathematics and Statistics:** Complete an Honors Research Thesis in mathematics or statistics, complete Calculus I and II, and one other mathematics or statistics course at the 3000 level, with an overall GPA of 3.4 or higher and a major GPA of 3.25 or higher.

**Philosophy:** Complete an Honors Research Thesis in philosophy, complete at least four philosophy courses including at least two at the upper level, and obtain an overall GPA of 3.5 or better.

**Psychology:** Complete an Honors Research Thesis in psychology, complete at least three psychology courses, with a grade no less than a "B," and obtain an overall GPA of 3.67

#### College of Computing, Engineering & Construction

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All Majors: Complete an Honors Research Thesis in the student's major and complete the core course work in one of the college's major programs with a GPA of at least 3.5 and a cumulative UNF GPA of 3.4 or higher.

### **Interdisciplinary Honors**

For students who want to complete an Honors Research Thesis but their college or major within their college does not offer Honors in the Major, they may complete an Interdisciplinary Honors Thesis. Students entering Interdisciplinary Honors must have a minimum GPA of 3.4 and have between 45 and 75 credit hours. The requirements for graduating with Interdisciplinary Honors are to complete the one hour Honors Prospectus course and at least six hours of Honors Thesis credit taken as a directed independent study with their thesis advisor.

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## Course Listings

IDH 1002 - G(6) Honors Seminar: 6 hours

*Prerequisite: Admission to the University Honors track*

An interdisciplinary exploration of modern culture and society. How do people live and interact; what questions do we ask of our world and how do we answer; how do the arts and culture reflect/define the world; what are the relationships between past and present? Enrollment limited to Honors students.

IDH 1107 - G(6) Art of Communication: 6 hours

*Prerequisite: Admission to the Honors Program*

Communication is: a commitment to reveal, deceive or withhold; to withdraw or share; to persuade; to survive. Conducted effectively, communication can lead to success in all endeavors. Conducted ineffectively, it is at the core of all failure. Communication is about more than just speaking; it's about knowing the rules, understanding the nature of the culture in which you are communicating, receiving the unspoken message, and perhaps most important, listening. This course will explore all of the above plus how body language, gossip and even swearing affect communication. We'll look at communication between two people as well as communication within a large organization. And we'll have ample opportunity to look at our own communication styles and learn strategies to make those styles work better for us. It's a course designed to open our eyes to the complexities of something we do almost every waking moment of every day. When the semester is over, students should have a new appreciation for effective communication.

IDH 1933 - Honors Special Topics: 3 hours

*Prerequisite: Admission to the Honors Program*

This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated up to four times for a total of 12 credits under different topics.

IDH 2442 - G(3) Media Literacy: 3 hours

*Prerequisite: Admission to the Honors Program*

This course is designed to help you see the real impact T.V. has on our culture. Its intent is to make you more critical receivers of information delivered to you by the television. We will hear from those who make television programming and we'll visit some of the television stations and production studios where issues that touch our lives are compressed into ten second sound bites and minute long packages. We'll hear how the technology is changing and what that means for our future. And we will put our favorite shows under a microscope to see what hidden messages lie behind the screen.

IDH 2934 - Honors Special Topics: 3 hours

*Prerequisite: Admission to the Honors Program*

This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated up to four times for a total of 12 credits under different topics.

IDH 2935 - G(3) Honors Selected Topics: 3 hours

*Prerequisite: Admission to the University Honors track*

Selected topics. Offerings have included: Image Culture; Moral Decision Making for the 21st Century; Care of the Soul on Campus; Food and the Popular Media; Great Books; Classics from East to West.

IDH 3920 - G(3) Honors Colloquium: 1 hour

*Prerequisite: Admission to any track of the UNF Honors Program*

Special colloquium sections for students in the Honors Program. The subject of each section varies, but always includes Inquiry into Learning and Service Learning.

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IDH 3921 - Honors Colloquium II: 1 hour

*Prerequisite: Admission to the Honors Program*

This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated up to five times for a total of five credits under different topics.

IDH 3922 - Thesis Research Prospectus Colloquium: 1 hour

*Prerequisite: Admission to Honors-in-the-major or Interdisciplinary Honors*

This colloquium will prepare you to begin your senior thesis research and write a successful research prospectus. Topics include thesis types and format, the role of faculty advisors, stating the problem, research methodologies, reviewing the literature, how to cite sources, making interdisciplinary connections, the time line for completion, and writing the prospectus. Please note that all Honors thesis students must have their research prospectus approved by the Honors Council before enrolling in IDH 4970 to complete their senior thesis.

IDH 3932 - Jr. Honors Interdisciplinary Seminar: 3 hours

*Prerequisite: Admission to the Interdisciplinary Honors track*

*Corequisite: Maintain a 3.4 UNF cumulative GPA*

A junior-level, interdisciplinary seminar offering a collaborative experience in which each student pursues a term-long project related to his or her particular major or to his or her prospective career. Course subjects vary from term to term.

IDH 4945 - G(6) Honors Practicum: Washington Center: v. 3-6 hours

*Prerequisite: Admission to any track of the UNF Honors Program*

This course provides a supervised, full-time field experience in the nation's capital through The Washington Center.

IDH 4970 - Honors Thesis: 3 hours

*Prerequisite: Completion of IDH 3932*

*Corequisite: Maintain a 3.4 UNF cumulative GPA*

A senior-level, directed research and thesis-writing experience in which the student works with a faculty mentor to produce a thesis or special project. The thesis or project will be evaluated by both the mentoring faculty member and two members of the Honors Council.

CHM 4970 - G(3) Honors Research in Chemistry: v. 1-6 hours

*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.

CIS 2935 - G(3) Honors Special Topics in Computer & Information Science: 3 hours

Topics are reflective of state-of-the-art computing and selected from among those particularly suited to sophomore-level Honors students.

CIS 4910 - G(3) Honors Research in Computer & Information Science: 3 hours

*Prerequisite: Admission to the Honors-in-the-major track in computer and information sciences*

Research leading to the Honors project/thesis under the supervision of a faculty member.

GEB 4910 - G(3) Honors Research in Business Administration: v. 1-3 hours

*Prerequisite: Acceptance to the Honors-in-the-major track in business administration*

Allows students to perform research in an area of interest. May be repeated for credit.

HIS 4970 - G(3) Senior Honors Thesis in History: v. 3-6 hours

*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 six credits.

HSC 4910 - Honors Research in Health: v. 1-3 hours

*Prerequisites: HSC 4730 and admission to the Honors-in-the-major track in the Brooks College of Health*

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 three hours total.

MMC 4424 - Honors Research in Mass Communications: 3 hours

*Prerequisites: Admission to Honors-in-the major for mass communications, MMC 3422 and MMC 3105 with "B" or higher*

Honors research in mass communications enables students to conduct research in mass communications under direct supervision of qualified faculty. Students develop their ideas, conduct appropriate research, and write an extended research report. GPA of 3.5, enrollment in Honors Program, and enrollment in B.S. in Mass Communication required.

NUR 4917 - Honors Research in Nursing: v. 1-3 hours

*Prerequisites: NUR 4165 and admission to the Honors Program in the Brooks 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

three hours TOTAL credit over one or more semesters. May be repeated for a total of nine credits.

PSY 4904 - G(3) Honors Research in Psychology: v. 1-6 hours

*Prerequisites: Admission to the Honors in Psychology Program, PSY 3214, and one experimental course*

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.

The Honors Program offers a variety of courses that change each semester.



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## Faculty List

(904) 620-2649

Mary O. Borg, Director

LouAnne Hawkins, Instructor and Coordinator of the Collaborative Undergraduate Scholarship Program

Heather Burk, Community-Based Learning Coordinator

Stacy Jarvis-Mejia, Honors Admissions Coordinator

Marcia Ladendorff, Instructor

Laura Ache, Academic Advisor

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## Honors Program Fees

### Experiential Learning Fee

Pursuant to §1009.24 (g) & (k), 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 is due at the first advising session. Please make checks payable to the UNF Honors Program and be sure to include the student's name and phone number on the check.

### Special Course Fees

There are some Honors courses that have special requirements that necessitate an additional fee. For example, students enrolled in the Wild Florida course are required to pay a \$50 fee to cover the costs of field trips and supplies. Each semester, the courses that require extra fees will be so designated in the course descriptions that students obtain from the Honors academic advisor.

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## University Officers & Faculty

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#### Executive Staff

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

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

Pierre N. Allaire, Ph.D. (University of Louisville) Vice President for Institutional Advancement

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

#### Deans

Peter A. Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering and Construction; Professor, Mathematics

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

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)

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Associate Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology

Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Thomas G. Carpenter Library

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

John P. McAllister, Ph.D. (Pennsylvania State University) CPA, Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)

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

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Appendix



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

C. Bruce Kavan, Ph.D. (University of Georgia) Professor and Chair, Department of  
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, Department of  
Foundations and Secondary Education (Literacy Education)

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

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

Kyung Kyu Kim, Ph.D. (University of Utah) Assistant Professor, Department  
of Accounting and Finance (Accounting)

A. Samuel Kimball, Ph.D. (University of Florida) Professor and Chair, Department of  
English

Pattanaporn "Aye" Kitsabunnarat, Ph.D. (University of Wisconsin-Milwaukee)  
Assistant Professor, Department of Accounting and Finance (Finance)

A. David Kline, Ph.D. (University of Wisconsin - Madison) Professor, Department of  
Philosophy; Director, Center for Ethics

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

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

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

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

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

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

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

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

Kenneth K. Laali, Ph.D. (University of Manchester) Professor and Chair, Department of Chemistry

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

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

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

Jason W. Lee, Ph.D. (Florida State University) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Sport Management)

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

Michael Lentz, Ph.D. (University of Alabama at Birmingham) Associate Professor and Director of Pre-Med Program, Department of Biology

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

Joe M. Lesem, M.A. (University of Missouri) Associate Professor, Department of Communication (Broadcasting)

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

Nancy J. Levine, Ph.D. (Columbia University) Associate Professor, Department of English

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

Beyong Lim (Louisiana State University and A&M) Assistant Professor, Department of Construction Management

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

Lillia M. Loriz, Ph.D. (George Mason University) A.R.N.P., B.C., Associate Professor, Director, School of Nursing (Nursing Administration)

Marcelle C. Lovett, Ed.D. (University of Florida) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

Michael Lufaso, Ph.D. (Ohio State University) Assistant Professor, Department of Chemistry

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

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

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

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

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

Professor of Accounting, Department of Accounting and Finance (Accounting)

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

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

Peter Magyari, Ph.D. (University of Florida) Assistant Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training and Physical Therapy) (Exercise Science)

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

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

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

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

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

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

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

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

Russell O. Mays, Ed.D. (Vanderbilt University) Associate Professor, Department of Counseling and Educational Leadership (Educational Leadership); Program Leader, Educational Leadership Masters Program

John P. McAllister, Ph.D. (Pennsylvania State University) CPA, Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)

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

Matthew T. McCrudden, Ph.D. (University of Nevada-Las Vegas) Assistant Professor, Department of Foundations and Secondary Education (Educational Psychology/Educational Foundations)

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

John E. McElDowney, D.B.A. (Mississippi State University) CPA, CIA, Associate Professor, Department of Accounting and Finance (Accounting)

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

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

Elizabeth McMullan, Ph.D. (University of Southern Mississippi) Assistant Professor, Department of Criminology and Criminal Justice

Sangeeta Mediratta, Ph.D. (University of California, San Diego) Assistant Professor, Department of English

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

Gerald U. Merckel, Ph.D. (University of Tennessee) Professor and Associate Dean, College of Computing, Engineering and Construction (Electrical Engineering)

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

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

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Donald Moores, Ph.D. (University of Illinois), Professor, Department of Exceptional Students and Deaf Education (Deaf Education)

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

Siho Nam, Ph.D. (Pennsylvania State University) Assistant Professor, Department of Communication (Mass Communication)

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

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

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

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

Stephan Nix, Ph.D. (University of Florida) Director and Professor, School of Engineering (Environmental Engineering) College of Computing, Engineering and Construction

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Ronghua (John) Ouyang, Ed.D. (Indiana University of Pennsylvania) Chairperson, Department of Childhood Education, and Professor (Curriculum and Instruction)

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

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Karen B. Patterson, Ph.D. (Kent State University) Associate Professor and Program Leader, Exceptional Student Education, Department of Exceptional Student and Deaf Education

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

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

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

Charles R. Paulson, Ph.D. (University of Iowa) Associate Professor, Department of Biology

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

Rujikorn Pavasuthipaisit, Ph.D. (Princeton University) Assistant Professor, Department of Economics and Geography (Economics)

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

Thomas Pekarek, Ph.D. (Purdue University) Professor, Department of Physics

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

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

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

Sarah M. Phillips, M.Ln. (Emory University) University Librarian

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

J. Patrick Plumlee, Ph.D. (Rice University) Associate Professor and Graduate Coordinator, Department of Political Science and Public Administration

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

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

Jyotsna Pradhan, Ph.D. (University of Saskatchewan) Assistant Professor, Department of Chemistry

Frederick D. Pragasam, M.B.A. (Case Western Reserve University) Instructor, Department of Marketing and Logistics (Marketing)

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

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

Radha Pyati, Ph.D. (University of North Carolina - Chapel Hill) Associate Professor and Director of the Environmental Center, Department of Chemistry

Nuria Ibanez Quintana, Ph.D. (Western Michigan University) Assistant Professor, Department of World Languages

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

M. Mahbubur Rahman, Ph.D. (Arizona State University) Assistant Professor, Department of Mathematics and Statistics (Mathematics)

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

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

Rama M. Rao, Ph.D. (Madurai University) Associate Professor, Department of Mathematics and Statistics (Mathematics)

Robert Reifsnieder, Jr., B.S. (University of North Florida) Laboratory Lecturer, Department of Chemistry and Physics (Chemistry)

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

Rose Marie Rine, Ph.D. (Northeastern University) P.T., Associate Professor, Department of Athletic Training and Physical Therapy (Physical Therapy)

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

Len Roberson, Ph.D. (Gallaudet University) Chair and Associate Professor, Department of Exceptional Student and Deaf Education; Director, Deaf Education Program

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

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

Timothy H. Robinson, Ph.D. (University of Texas at Austin) Affiliated Professor of Applied Linguistics, Department of World Languages

Judith C. Rodriguez, Ph.D. (Rutgers University) Professor, Department of Nutrition and Dietetics

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

William Romanchick, Ph.D. (University of Pennsylvania) Department of Chemistry

Sidney B. Rosenberg, Ph.D. (Georgia State University) Associate Professor, Department of Accounting and Finance (Real Estate), William F. Sheffield Professor of Real Estate

Cliff Ross, Ph.D. (University of California, Santa Barbara) Assistant Professor, Department of Biology

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

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

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

Randall J. Russac, Ph.D. (Arizona State University) Associate Professor and Coordinator for the MAGP Program, Department of Psychology

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

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

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

Arturo J. Sanchez-Ruiz, Ph.D. (Rensselaer Polytechnic Institute) Associate Professor, School of Computing

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

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



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

Dawn M. Saracino, M.H.S. (University of Florida) P.T., NCS, Instructor, Department of Athletic Training and Physical Therapy (Physical Therapy)

Judith J. Sayre, M.A. (University of Florida) Assistant Professor, Department of Communication (Advertising)

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

Elinor A. Scheirer, Ph.D. (Ohio State University) Acting Chair and Professor, Department of Leadership, Counseling and Instructional Technology (Curriculum Studies, Qualitative Research)

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

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

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

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

Shira Schwam-Baird, Ph.D. (Tulane University) Associate Professor and Coordinator, Department of World Languages (French)

Cynthia G. Scott, Ph.D. (Southern Illinois University) Professor, Department of Public Health (Rehabilitation Counseling)

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

Kyle A. Scott, Ph.D. (University of Houston) Assistant Professor, Department of Political Science and Public Administration

Renee S. Scott, Ph.D. (University of California-Berkeley) Professor, Department of World Languages (Spanish)

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

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

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

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

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Aaron Sheehan-Dean, Ph.D. (University of Virginia) Associate Professor, Department of History

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

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

David B. Show, M.A. (McDaniel College) Instructor of American Sign Language, Department of Exceptional Student and Deaf Education

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Alicia Sitren, Ph.D. (University of Central Florida) Assistant Professor, Department of

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

A. Russell Smith, Jr., Ed.D. (University of North Florida) P.T., OCS, Chair and Associate Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training and Physical Therapy) (Physical Therapy)

G. Pritchey Smith, Ed.D. (North Texas State University) Professor, Department of Foundations and Secondary Education (Multicultural Education; Sociological Foundations of Education)

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

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

Linda Smith, M.N. (University of South Carolina) Courtesy/Assistant Professor, School of Nursing

Linda L. Smith, M.L.S. (University of North Carolina-Chapel Hill) University Librarian

Michael P. Ramsey-Smith, Ed.D. (Ball State University) Associate Professor, Department of Foundations and Secondary Education (Art Education)

David B. Snow, M.S. (McDaniel College) Instructor, Department of Exceptional Student and Deaf Education

Judith L. Solano, Ph.D. (Florida State University) Associate Professor and Director, School of Computing, College of Computing, Engineering and Construction

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

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

Victoria T. Stanton, M.S.L.S. (University of Kentucky) University Librarian

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

Christie Stevenson, M.A. (University of North Florida) Resident Clinical Faculty, Department of Childhood Education

Gerald J. Stine, Ph.D. (University of Delaware) Professor, Department of Biology

Carolyn B. Stone, Ed.D. (University of Florida) Professor, Department of Leadership, Counseling and Instructional Technology (School Counselor Education)

Menia Stone, Ed.D. (University of Miami) Instructor, Department of Childhood Education (Elementary Education)

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Kristi Sweeney, Ph.D. (University of New Mexico) Assistant Professor, Department of Leadership, Counseling and Instructional Technology

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

Dean A. Swinford, Ph.D. (University of Florida) Instructor, Department of English (English)

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

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

Charles "Chuck" A. Thigpen, Ph.D. (University of North Carolina) P.T., Assistant Professor, Department of Athletic Training and Physical Therapy (Physical Therapy)

Henry B. Thomas, D.P.A. (University of Southern California) Associate Professor, Department of Political Science and Public Administration

Jenifer Thorn, Ph.D. (Florida State University) Instructor, Department of Foundations and Secondary Education (Physical Education)

Brian Patrick Thornton, Ph.D. (University of Utah) Associate Professor, Department of Communications

Robert L. Thunen, Ph.D. (Northwestern University) Assistant Professor, Department of Sociology and Anthropology (Anthropology)

Crystal Timmons, M.Ed. (University of North Florida) Instructor, Office of Field Experiences, College of Education and Human Services

Randall C. Tinnin, D.M.A. (Rutgers University) Associate Professor, Department of Music (Trumpet)

Michael Toglia, Ph.D. (University of Colorado) Professor and Chair, Department of Psychology

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

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

Julia A. Watkins, Ph.D. (University of South Carolina) Associate Professor, Department of Nutrition and Dietetics

Kristine Webb, Ph.D. (University of New Mexico) Director, Disability Resource Center and Associate Professor, Department of Exceptional Student and Deaf Education

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

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

Patrick Welsh, Ph.D. (Florida State University) Associate Professor of Engineering and Executive Director of the Advanced Weather Information Systems (AWIS) Laboratory

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David Whittinghill, Ph.D. (University of Florida) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Mental Health Counseling)

Kenneth T. Wilburn, Ph.D. (Florida State University) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

Sharon T. Wilburn, Ph.D. (University of Florida) Professor, Department of Public Health

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

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

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

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

Carolyn L. Williams, Ph.D. (University of California at Los Angeles) Associate Professor, Department of History

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

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

Kathleen Wittsell, M.A. (University of North Florida) Resident Clinical Faculty, Department of Childhood Education

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

Lauri Wright, Ph.D., R.D., (University of South Florida) Assistant Professor, Department of Nutrition and Dietetics

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

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

Yongan Wu, Ph.D. (University of Oklahoma) Assistant Professor, Department of World Languages

Gregory Wurtz, Ph.D. (University of Technology Troyes - France) Assistant Professor, Department of Physics

Richmond D. Wynn, M.S. (University of North Florida) Instructor, Department of Public Health

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

Guy Yehuda, M.M. (Indiana University) Department of Music (Music)

Lynne-Marie Young, M.Ed. (University of Southwestern Louisiana) Instructor, Department of Athletic Training and Physical Therapy (Athletic Training)

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

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

Ping Ying Zhang, Ph.D. (Norwegian School of Management BI) Assistant Professor, Department of Management

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

Ronald J. Zucker, M.S. (Troy State University in Montgomery) Instructor, School of Computing

## **Emeriti Faculty**

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

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

Richard Bizot, Ph.D. (University of Virginia) Professor Emeritus of English; Distinguished Professor, 1999.

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

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

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

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

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

James B. Crooks, Ph.D. (Johns Hopkins University) Professor Emeritus of History; Distinguished Professor, 1992

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

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

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, 1991

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

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

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

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

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

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

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

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

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

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

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

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

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, 1985

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

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, 1981

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

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

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 Emeritus 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

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

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

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

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

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

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, 1996

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, 1990

Bette J. Soldwedel, Ed.D. (New York University) Professor Emeritus of Education; Distinguished Professor, 1979 (deceased)

Ann H. Stoddard, Ed.D. (University of Georgia) Professor Emeritus of Education

E. Allen Tilley, Ph.D. (University of Iowa) Professor Emeritus of English; Distinguished Professor, 1997

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

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

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

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

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

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

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

William J. Wilson, Ph.D. (Texas A&M University) Professor Emeritus of Statistics;  
Distinguished Professor, 2004

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

Gerson Yessin, Mus.D. (Florida State University) Professor Emeritus and Founding  
Chair, Department of Music; Distinguished Professor, 1986

#### **Naval Science (NROTC) Staff Officers**

Lee A. Steele, M.S.

(P. G. Monterey) Captain, U.S. Navy, Professor of Naval Science

D. Benton Howard, M.S. (P. G. Monterey) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Brent B. Lapp, M.S. (Naval War College) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Ryan Miller, B.S. (Miami University) Captain, USMC, Marine Officer Instructor

John E. Dalton, B.S. (North Carolina State University) Lieutenant, U.S. Navy, Instructor

Peter Bissonnette, B.S. (U. S. Naval Academy) Lieutenant, U.S. Navy, Instructor

Kathleen R. Ehresmann, B.A. (University of Florida) Lieutenant, U.S. Navy, Instructor

Saul S. Pavlinsky, B.S. (Jacksonville University) Lieutenant, U. S. Navy, Instructor



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## University Officers & Faculty

### Appendix A

#### Executive Staff

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

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

Pierre N. Allaire, Ph.D. (University of Louisville) Vice President for Institutional Advancement

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

#### Deans

Peter A. Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering and Construction; Professor, Mathematics

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

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)

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Associate Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology

Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Thomas G. Carpenter Library

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

John P. McAllister, Ph.D. (Pennsylvania State University) CPA, Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)

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

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## Faculty

Myrna "Trudy" Abadie-Fail, M.F.A. (Savannah College of Art and Design) Assistant Professor, Department of Art and Design

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

John Adams, Ph.D. (Texas Tech University) Assistant Professor, Department of Account and Finance (Finance)

Ronald J. Adams, Ph.D. (University of Georgia) Professor, Department of Marketing and Logistics (Marketing)

Ajayi O. Adewale, Ph.D. (University of Akron) PE, Associate Professor, School of Engineering (Mechanical Engineering)

Gregory A. Ahearn, Ph.D. (Arizona State University) John A. Delaney Presidential Professor and Graduate Coordinator, Department of Biology

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

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

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

Krista A. Albrecht, M.A. (Murray State University) Instructor, Department of Communication (Speech)

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

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

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

Gretchen E. Ames, Ph.D. (University of Florida) Department of Psychology (Clinical Psychology)

Laura L. Ammon, Ph.D. (Claremont Graduate University) Assistant Professor, Department of Philosophy (Religious Studies)

Lian An, Ph.D. (University of Kentucky) Assistant Professor, Department of Economics and Geography (Economics)

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

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

Seth C. Anderson, Ph.D. (University of North Carolina) CFA, Kathryn Magee Kip Professor of Financial Services, Professor of Finance

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

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

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

David Atherton (University of Florida) Laboratory Lecturer, Department of Chemistry and Physics (Chemistry)

Owiredu Baffour, M.F.A. (Auburn University) Assistant Professor, Department of Art and Design (Graphic Design)

Madline Bailey, J.D., Ph.D. (University of Georgia, Sam Houston State University) Department of Criminology and Criminal Justice

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

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

Mina N. Baliamoune-Lutz, Ph.D. (Northeastern University) Associate Professor,  
Department of Economics and Geography

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

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

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

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

Jacqueline J. Batey, Ph.D. (University of Florida) Assistant Professor, Department of  
Childhood Education (Primary Education)

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

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

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

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

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

Tiffany Beechy, Ph.D. (University of Oregon) Assistant Professor, Department of English

David J. Begley, M.F.A. (Savannah College of Art & Design) Assistant Professor,  
Department of Art and Design (Graphic Design)

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

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

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

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

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

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

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

Sharon Bohres, M.S. (Barry University) Instructor, Department of Athletics Training and  
Physical Therapy (Athletic Training)

Michelle Boling, Ph.D., A.T.C. (University of North Carolina at Chapel Hill) Assistant  
Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training  
and Physical Therapy) (Athletic Training)

Yemisi A. Bolumole, Ph.D. (Cranfield University - England) Co-Director, Transportation  
and Logistics Flagship Program and Associate Professor, Department of Marketing and  
Logistics (Logistics)

Mary O. Borg, Ph.D. (University of North Carolina at Chapel Hill) Director, Office of  
Undergraduate Academic Enrichment Program (Enrichment) and The Honors Program;  
Professor, Department of Political Science and Public Administration

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

Susan Borsky, Ph.D. (Florida Atlantic University) Assistant Professor, Department of  
Psychology

Janet E. Bosnick, Ph.D. (University of Florida) Associate Professor, Department of Childhood Education (Mathematics Education)

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

Adel N. Boules, Ph.D. (Michigan State) Associate Professor, Department of Mathematics and Statistics (Mathematics)

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

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

Eileen D. Brady, M.S.L.S. (Florida State University) University Librarian

Joan L. Bray, Ph.D. (Purdue University) Associate Professor, Department of Biology

Peter Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering, and Construction; Professor, Department of Mathematics and Statistics (Mathematics)

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

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

Katharine C. Brown, M.B.A. (University of North Florida) Senior Instructor and Advisor, School of Computing

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

Peter Scott Brown, Ph.D. (Yale University) Assistant Professor, Department of Art and Design (Art History)

Shunda L. Brown, Ph.D. (University of Virginia) Assistant Professor, Department of Public Health

Alison J. Bruey (Yale University) Assistant Professor, Department of History

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

Andrew J. Buchwalter, Ph.D. (Boston University) Professor, Department of Philosophy

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

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

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

Elena M. Buzaianu, Ph.D. (Syracuse University) Assistant Professor, Department of Mathematics and Statistics (Statistics)

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

Charles H. Calhoun, Ph.D. (Florida State University) CPA, Director of the MAcc Program, Chair and Professor, Department of Accounting and Finance (Accounting)

Daniel J. Callcut, Ph.D. (Johns Hopkins University) Associate Professor, Department of Philosophy

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

David Cantor, Ph.D. (University of Maryland) Assistant Professor, Department of Marketing and Logistics (Logistics)

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

Lynne Carroll, Ph.D. (University of Pittsburgh) Director, Counselor Education Program; Associate Professor, Department of Psychology (Mental Health Counseling)

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



Keith Cartwright, Ph.D. (Indiana University) Associate Professor, Department of English

Dale A. Casamatta, Jr., Ph.D. (Ohio University) Associate Professor, Department of Biology

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

Terence Cavanaugh, Ph.D. (University of South Florida) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Instructional Technology)

Stuart Chalk, Ph.D. (University of Massachusetts, Amherst) Associate Professor, Department of Chemistry

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

Hong Chang, Ph.D. (University of California, Davis) Assistant Professor, Department of Economics and Geography (Economics)

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

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

Lei-Shih Chen, Ph.D. (Texas A&M University) Assistant Professor, Department of Public Health

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

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

Youngtae Choi, Ph.D. (Texas A&M University) Assistant Professor, Department of Marketing and Logistics (Marketing)

James Churilla, Ph.D. (University of Tennessee) Assistant Professor, Department of Public Health

Catherine Christie, Ph.D. (Florida State University) Associate Professor and Chair, Department of Nutrition and Dietetics

James Churilla, Ph.D. (University of Tennessee) Assistant Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training and Physical Therapy) (Exercise Science)

Angeles Fernandez Cifuentes, Ph.D. (University of Texas-Austin) Assistant Professor, Department of World Languages

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

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

Charles E. Closmann, Ph.D. (University of Houston) Assistant Professor, Department of History

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

Blake Coglianesse, M.F.A. (Savannah College of Art and Design) Assistant Professor, Department of Art and Design (Multimedia and Graphic Design)

B. Jay Coleman, Ph.D. (Clemson University) Richard deRaimes Kip Professor of Operations Management and Quantitative Methods, Department of Management (Management and Quantitative Methods), Distinguished Professor, 2005

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

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

Judith Comeaux, M.S.N. (University of Florida) A.R.N.P., Instructor, School of Nursing

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

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

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

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

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

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

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

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

Neal S. Coulter, Ph.D. (Georgia Institute of Technology) Professor, School of Computing

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

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

Laurel M. Crump, M.L.S. (University of Arizona) Associate University Librarian

Rachel Cruz, Ph.D. (University of Florida) Laboratory Lecturer, Department of Physics

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

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

James Nixon Curry, D.M.A. (Northwestern University) Assistant Professor, Department of Music (Music)

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

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

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

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

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

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

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

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

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

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

Nofa Dixon, M.F.A. (Virginia Commonwealth University) Assistant Professor, Department of Art and Design (Art)

Linda Docks, M.A. (Nova University) Resident Clinical Faculty, Department of Childhood Education

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

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

Timothy J. Donovan, M.A. (Pennsylvania State University) Assistant Professor, Department of English

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

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

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

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

Kyle Echols, Ph.D. (University of Wisconsin-Madison) Assistant Professor, Department of World Languages (Spanish)

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

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

John A. Eisler, Ph.D. (Emory University) Associate Professor, Department of Psychology

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

Adel El-Safty, Ph.D. (North Carolina State University) Assistant Professor, School of Engineering (Civil Engineering)

Sherif A. Elfayoumy, Ph.D. (University of Louisville) Associate Professor, School of Computing

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

Reham A. Eltantawy, Ph.D. (Florida State University) Assistant Professor, Department of Marketing and Logistics (Marketing)

Cassandra Z. Etgeton, Ed.D. (University of Central Florida) Assistant Professor, Department of Foundations and Secondary Education (Mathematics Education)

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

Joan Farrell, Ph.D. (State University of New York at Buffalo) Professor, Department of Public Health

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology

Jorge Febles, Ph.D. (University of Iowa) Professor and Chair, Department of World Languages (Spanish)

Joy Fera, M.S. (University of North Florida) Instructor and Internship Coordinator, Department of Criminology and Criminal Justice

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

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

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

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

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

Cheryl A. Fountain, Ed.D. (University of Florida) Executive Director, Florida Institute of Education; Professor, Department of Leadership, Counseling and Instructional Technology

(Educational Leadership)

J. Michael Francis, Ph.D. (University of Cambridge-England) Associate Professor,  
Department of History

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

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

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

Elizabeth L. Furdell, Ph.D. (Kent State University) Professor, Department of History;  
Distinguished Professor, 2002

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

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

Andrés Alberto Gallo, Ph.D. (University of Illinois Champaign - Urbana) Associate  
Professor, Department of Economics and Geography (Economics)

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

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

Lev V. Gasparov, Ph.D. (Institute for Solid State Physics, Russia) Associate Professor,  
Department of Physics

Justin R. Gaudry, M.S. (University of North Florida) Senior Instructor, School of  
Computing

Dennis L. Gay, Ph.D. (Florida State University) Associate Professor, Department of  
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World Languages (French)

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(Electrical Engineering)

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

Lakshmi Goel, Ph.D. (University of Houston) Assistant Professor, Department of  
Management

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

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

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

Vernice "Bunky" Green, M.M. (Northwestern University) Director of Jazz Studies,  
Professor, Department of Music (Music)

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

(Music)

Caroline Guardino, (University of Arizona) Assistant Professor, Department of Exceptional Student and Deaf Education

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

Saurabh Gupta, Ph.D. (University of Georgia) Assistant Professor, Department of Management (Management Information Systems)

Sandra L. Gupton, Ed.D. (University of North Carolina/Greensboro) Professor, Department of Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

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

Courtney Hackney, Ph.D. (Mississippi State University) Professor and Chair, Department of Biology

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

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Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Library

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

Sami M. Hamid, Ph.D. (Texas A & M University) Assistant Professor, Department of Mathematics and Statistics (Mathematics)

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

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

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Jeffrey Harrison, Ph.D. (Virginia Commonwealth University) Associate Professor, Department of Public Health (Health Administration)

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

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

Stephen Heywood (Edinboro - University of Pennsylvania) Assistant Professor, Department of Art and Design (Ceramics)

Paul N. Higbee, M.A. (Central Michigan University) Instructor, School of Computing

Aaron Hilliard, Ph.D. (Meharry Medical College) Courtesy/Clinical Professor, Brooks College of Health

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

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

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

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Jerzy J. Karylowski, Ph.D. (University of Warsaw) Professor, Department of Psychology; Distinguished Professor, 1995

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Pattanaorn "Aye" Kitsabunnarat, Ph.D. (University of Wisconsin-Milwaukee) Assistant Professor, Department of Accounting and Finance (Finance)

A. David Kline, Ph.D. (University of Wisconsin - Madison) Professor, Department of Philosophy; Director, Center for Ethics

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

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

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

Kenneth K. Laali, Ph.D. (University of Manchester) Professor and Chair, Department of Chemistry

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

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

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

Jason W. Lee, Ph.D. (Florida State University) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Sport Management)

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

Michael Lentz, Ph.D. (University of Alabama at Birmingham) Associate Professor and Director of Pre-Med Program, Department of Biology

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

Joe M. Lesem, M.A. (University of Missouri) Associate Professor, Department of Communication (Broadcasting)

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

Nancy J. Levine, Ph.D. (Columbia University) Associate Professor, Department of English

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

Beyong Lim (Louisiana State University and A&M) Assistant Professor, Department of Construction Management

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

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

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

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

Professor of Accounting, Department of Accounting and Finance (Accounting)

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

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

Peter Magyari, Ph.D. (University of Florida) Assistant Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training and Physical Therapy) (Exercise Science)

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

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

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

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

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

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

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

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

Russell O. Mays, Ed.D. (Vanderbilt University) Associate Professor, Department of Counseling and Educational Leadership (Educational Leadership); Program Leader, Educational Leadership Masters Program

John P. McAllister, Ph.D. (Pennsylvania State University) CPA, Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)

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

Matthew T. McCrudden, Ph.D. (University of Nevada-Las Vegas) Assistant Professor, Department of Foundations and Secondary Education (Educational Psychology/Educational Foundations)

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

John E. McElDowney, D.B.A. (Mississippi State University) CPA, CIA, Associate Professor, Department of Accounting and Finance (Accounting)

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

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

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

Elizabeth McMullan, Ph.D. (University of Southern Mississippi) Assistant Professor, Department of Criminology and Criminal Justice

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

Katie Monnin, Ph.D. (Kent State University) Assistant Professor, Department of Childhood Education (Literacy Education)

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

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Siho Nam, Ph.D. (Pennsylvania State University) Assistant Professor, Department of Communication (Mass Communication)

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

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

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Ronghua (John) Ouyang, Ed.D. (Indiana University of Pennsylvania) Chairperson, Department of Childhood Education, and Professor (Curriculum and Instruction)

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

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

Sejal Parikh, Ph.D. (University of North Carolina at Charlotte) Assistant Professor, Department of Leadership, Counseling and Instructional Technology

John H. Parmelee, Ph.D. (University of Florida) Associate Professor, Department of Communication (Journalism)

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

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

Karen B. Patterson, Ph.D. (Kent State University) Associate Professor and Program Leader, Exceptional Student Education, Department of Exceptional Student and Deaf Education

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

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Charles R. Paulson, Ph.D. (University of Iowa) Associate Professor, Department of Biology

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

Rujikorn Pavasuthipaisit, Ph.D. (Princeton University) Assistant Professor, Department of Economics and Geography (Economics)

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

Thomas Pekarek, Ph.D. (Purdue University) Professor, Department of Physics

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

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Jyotsna Pradhan, Ph.D. (University of Saskatchewan) Assistant Professor, Department of Chemistry

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

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

Radha Pyati, Ph.D. (University of North Carolina - Chapel Hill) Associate Professor and Director of the Environmental Center, Department of Chemistry

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

Arturo J. Sanchez-Ruiz, Ph.D. (Rensselaer Polytechnic Institute) Associate Professor, School of Computing

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

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



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

Dawn M. Saracino, M.H.S. (University of Florida) P.T., NCS, Instructor, Department of Athletic Training and Physical Therapy (Physical Therapy)

Judith J. Sayre, M.A. (University of Florida) Assistant Professor, Department of Communication (Advertising)

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

Elinor A. Scheirer, Ph.D. (Ohio State University) Acting Chair and Professor, Department of Leadership, Counseling and Instructional Technology (Curriculum Studies, Qualitative Research)

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

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

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

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

Shira Schwam-Baird, Ph.D. (Tulane University) Associate Professor and Coordinator, Department of World Languages (French)

Cynthia G. Scott, Ph.D. (Southern Illinois University) Professor, Department of Public Health (Rehabilitation Counseling)

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

Kyle A. Scott, Ph.D. (University of Houston) Assistant Professor, Department of Political Science and Public Administration

Renee S. Scott, Ph.D. (University of California-Berkeley) Professor, Department of World Languages (Spanish)

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

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

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

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

Adam Shapiro, Ph.D. (University of Texas at Austin) Chair and Associate Professor, Department of Sociology and Anthropology (Sociology)

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

Aaron Sheehan-Dean, Ph.D. (University of Virginia) Associate Professor, Department of History

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

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

David B. Show, M.A. (McDaniel College) Instructor of American Sign Language, Department of Exceptional Student and Deaf Education

Toazmin Siddiqui, M.S. (Georgia State University) Laboratory Lecturer, Department of Physics

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

Alicia Sitren, Ph.D. (University of Central Florida) Assistant Professor, Department of

Criminology and Criminal Justice

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

A. Russell Smith, Jr., Ed.D. (University of North Florida) P.T., OCS, Chair and Associate Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training and Physical Therapy) (Physical Therapy)

G. Pritchey Smith, Ed.D. (North Texas State University) Professor, Department of Foundations and Secondary Education (Multicultural Education; Sociological Foundations of Education)

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

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

Linda Smith, M.N. (University of South Carolina) Courtesy/Assistant Professor, School of Nursing

Linda L. Smith, M.L.S. (University of North Carolina-Chapel Hill) University Librarian

Michael P. Ramsey-Smith, Ed.D. (Ball State University) Associate Professor, Department of Foundations and Secondary Education (Art Education)

David B. Snow, M.S. (McDaniel College) Instructor, Department of Exceptional Student and Deaf Education

Judith L. Solano, Ph.D. (Florida State University) Associate Professor and Director, School of Computing, College of Computing, Engineering and Construction

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

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

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

Victoria T. Stanton, M.S.L.S. (University of Kentucky) University Librarian

Jeffrey W. Steagall, Ph.D. (University of Wisconsin at Madison) Richard deRaismes Kip Professor of International Business; Professor, Department of Economics and Geography (Economics) Director, International Business Program and Center for International Business Studies

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

Christie Stevenson, M.A. (University of North Florida) Resident Clinical Faculty, Department of Childhood Education

Gerald J. Stine, Ph.D. (University of Delaware) Professor, Department of Biology

Carolyn B. Stone, Ed.D. (University of Florida) Professor, Department of Leadership, Counseling and Instructional Technology (School Counselor Education)

Menia Stone, Ed.D. (University of Miami) Instructor, Department of Childhood Education (Elementary Education)

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

Brian J. Striar, Ph.D. (Claremont Graduate School) Associate Professor, Department of English

Jenny Stuber, Ph.D. (Indiana University) Assistant Professor, Department of Sociology and Anthropology (Sociology)

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

Stanley L. Swart, Ph.D. (Northwestern University) Associate Professor, Department of Criminology and Criminal Justice

Kristi Sweeney, Ph.D. (University of New Mexico) Assistant Professor, Department of Leadership, Counseling and Instructional Technology

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

Dean A. Swinford, Ph.D. (University of Florida) Instructor, Department of English (English)

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

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

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

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

Cara Suzanne Tasher, D.M.A. (University of Cincinnati) Assistant Professor, Department of Music (Music)

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

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

Charles "Chuck" A. Thigpen, Ph.D. (University of North Carolina) P.T., Assistant Professor, Department of Athletic Training and Physical Therapy (Physical Therapy)

Henry B. Thomas, D.P.A. (University of Southern California) Associate Professor, Department of Political Science and Public Administration

Jenifer Thorn, Ph.D. (Florida State University) Instructor, Department of Foundations and Secondary Education (Physical Education)

Brian Patrick Thornton, Ph.D. (University of Utah) Associate Professor, Department of Communications

Robert L. Thunen, Ph.D. (Northwestern University) Assistant Professor, Department of Sociology and Anthropology (Anthropology)

Crystal Timmons, M.Ed. (University of North Florida) Instructor, Office of Field Experiences, College of Education and Human Services

Randall C. Tinnin, D.M.A. (Rutgers University) Associate Professor, Department of Music (Trumpet)

Michael Toglia, Ph.D. (University of Colorado) Professor and Chair, Department of Psychology

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

Lucy B. Trice, Ph.D. (Texas Woman's University) A.R.N.P., B.C., Associate Dean, Brooks College of Health and Professor, School of Nursing

Frederick Troendle, Ph.D. (University of Florida) Laboratory Lecturer, Department of Chemistry and Physics (Chemistry)

Ma. Teresa Tuason, Ph.D. (State University of New York, Albany) Associate Professor, Department of Psychology

Barbara L. Tuck, M.S.L.S. (Florida State University) University Librarian

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

Karthikeyan Umamathy, Ph.D. (Pennsylvania State University) Assistant Professor, School of Computing

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

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

Kristen Vandenberg, M.S.N., R.N. (Georgia Baptist College of Nursing of Mercer University) Instructor, School of Nursing

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

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

Donna Van Loock, M.S.N. (University of North Florida) Instructor, School of Nursing

Clement J. Van Nagel, Ph.D. (University of Pittsburgh) Professor, Department of Exceptional Student and Deaf Education

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

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

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

Jacob M. Vigil, Ph.D. (University of Missouri) Assistant Professor, Department of Psychology

Rico L. Vitz (University of California at Riverside) Assistant Professor, Department of Philosophy

William R. Voorhees, Ph.D. (Indiana University) Assistant Professor, Department of Political Science and Public Administration

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

Timothy M. Vowles, Ph.D. (University of Denver) Assistant Professor, Department of Economics and Geography (Geography)

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

Amy Wainwright, M.A. (American University) Instructor, Department of English (Literature)

Bobby E. Waldrup, Ph.D. (University of Mississippi) CPA, Associate Dean and Associate Professor, Department of Accounting and Finance (Accounting)

F. Layne Wallace, Ph.D. (University of North Texas) Associate Professor, School of Computing

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

Dongyuan "Debbie" Wang, Ph.D. (Purdue University) Associate Professor, Department of Psychology (Cognitive Psychology)

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

Julia A. Watkins, Ph.D. (University of South Carolina) Associate Professor, Department of Nutrition and Dietetics

Kristine Webb, Ph.D. (University of New Mexico) Director, Disability Resource Center and Associate Professor, Department of Exceptional Student and Deaf Education

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

Sally Weerts, Ph.D. (University of Minnesota) Assistant Professor, Department of Nutrition and Dietetics

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

Patrick Welsh, Ph.D. (Florida State University) Associate Professor of Engineering and Executive Director of the Advanced Weather Information Systems (AWIS) Laboratory

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

Darren A. Wheeler, Ph.D. (Miami University - Ohio) Assistant Professor, Department of Political Science and Public Administration (American Government and Politics)

John W. White, Ph.D. (University of Colorado) Assistant Professor, Department of Foundations and Secondary Education (Curriculum and Instruction)

David Whittinghill, Ph.D. (University of Florida) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Mental Health Counseling)

Kenneth T. Wilburn, Ph.D. (Florida State University) Associate Professor, Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

Sharon T. Wilburn, Ph.D. (University of Florida) Professor, Department of Public Health

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

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

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

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

Carolyn L. Williams, Ph.D. (University of California at Los Angeles) Associate Professor, Department of History

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

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

Kathleen Wittsell, M.A. (University of North Florida) Resident Clinical Faculty, Department of Childhood Education

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

Lauri Wright, Ph.D., R.D., (University of South Florida) Assistant Professor, Department of Nutrition and Dietetics

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

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

Yongan Wu, Ph.D. (University of Oklahoma) Assistant Professor, Department of World Languages

Gregory Wurtz, Ph.D. (University of Technology Troyes - France) Assistant Professor, Department of Physics

Richmond D. Wynn, M.S. (University of North Florida) Instructor, Department of Public Health

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

Guy Yehuda, M.M. (Indiana University) Department of Music (Music)

Lynne-Marie Young, M.Ed. (University of Southwestern Louisiana) Instructor, Department of Athletic Training and Physical Therapy (Athletic Training)

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

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

Ping Ying Zhang, Ph.D. (Norwegian School of Management BI) Assistant Professor, Department of Management

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

Ronald J. Zucker, M.S. (Troy State University in Montgomery) Instructor, School of Computing

## **Emeriti Faculty**

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

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

Richard Bizot, Ph.D. (University of Virginia) Professor Emeritus of English; Distinguished Professor, 1999.

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

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

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

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

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

James B. Crooks, Ph.D. (Johns Hopkins University) Professor Emeritus of History; Distinguished Professor, 1992

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

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

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, 1991

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

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

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

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

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

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

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

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

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

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

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

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

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, 1985

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

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, 1981

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

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

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 Emeritus 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

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

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

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

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

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

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, 1996

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, 1990

Bette J. Soldwedel, Ed.D. (New York University) Professor Emeritus of Education; Distinguished Professor, 1979 (deceased)

Ann H. Stoddard, Ed.D. (University of Georgia) Professor Emeritus of Education

E. Allen Tilley, Ph.D. (University of Iowa) Professor Emeritus of English; Distinguished Professor, 1997

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

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

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

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

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

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

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

William J. Wilson, Ph.D. (Texas A&M University) Professor Emeritus of Statistics;  
Distinguished Professor, 2004

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

Gerson Yessin, Mus.D. (Florida State University) Professor Emeritus and Founding  
Chair, Department of Music; Distinguished Professor, 1986

#### **Naval Science (NROTC) Staff Officers**

Lee A. Steele, M.S.

(P. G. Monterey) Captain, U.S. Navy, Professor of Naval Science

D. Benton Howard, M.S. (P. G. Monterey) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Brent B. Lapp, M.S. (Naval War College) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Ryan Miller, B.S. (Miami University) Captain, USMC, Marine Officer Instructor

John E. Dalton, B.S. (North Carolina State University) Lieutenant, U.S. Navy, Instructor

Peter Bissonnette, B.S. (U. S. Naval Academy) Lieutenant, U.S. Navy, Instructor

Kathleen R. Ehresmann, B.A. (University of Florida) Lieutenant, U.S. Navy, Instructor

Saul S. Pavlinsky, B.S. (Jacksonville University) Lieutenant, U. S. Navy, Instructor

ABOUT UNF

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## University Officers & Faculty Appendix A

### Executive Staff

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

Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

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

Pierre N. Allaire, Ph.D. (University of Louisville) Vice President for Institutional Advancement

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

### Deans

Peter A. Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering and Construction; Professor, Mathematics

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

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)

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Associate Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology

Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Thomas G. Carpenter Library

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

John P. McAllister, Ph.D. (Pennsylvania State University) CPA, Dean, Coggin College of Business; Professor, Department of Accounting and Finance (Accounting)

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

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Board Members  
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UNDERGRADUATE

PROGRAMS & COURSES

COLLEGES & HONORS

Brooks College of Health

Coggin College of Business

College of Arts & Sciences

College of Computing,  
Engineering & Construction

College of Education &  
Human Services

Honors Program

GENERAL INFORMATION



## Faculty

Myrna "Trudy" Abadie-Fail, M.F.A. (Savannah College of Art and Design) Assistant Professor, Department of Art and Design

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

John Adams, Ph.D. (Texas Tech University) Assistant Professor, Department of Account and Finance (Finance)

Ronald J. Adams, Ph.D. (University of Georgia) Professor, Department of Marketing and Logistics (Marketing)

Ajayi O. Adewale, Ph.D. (University of Akron) PE, Associate Professor, School of Engineering (Mechanical Engineering)

Gregory A. Ahearn, Ph.D. (Arizona State University) John A. Delaney Presidential Professor and Graduate Coordinator, Department of Biology

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

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

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

Krista A. Albrecht, M.A. (Murray State University) Instructor, Department of Communication (Speech)

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

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

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

Gretchen E. Ames, Ph.D. (University of Florida) Department of Psychology (Clinical Psychology)

Laura L. Ammon, Ph.D. (Claremont Graduate University) Assistant Professor, Department of Philosophy (Religious Studies)

Lian An, Ph.D. (University of Kentucky) Assistant Professor, Department of Economics and Geography (Economics)

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

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

Seth C. Anderson, Ph.D. (University of North Carolina) CFA, Kathryn Magee Kip Professor of Financial Services, Professor of Finance

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

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

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

David Atherton (University of Florida) Laboratory Lecturer, Department of Chemistry and Physics (Chemistry)

Owiredu Baffour, M.F.A. (Auburn University) Assistant Professor, Department of Art and Design (Graphic Design)

Madline Bailey, J.D., Ph.D. (University of Georgia, Sam Houston State University) Department of Criminology and Criminal Justice

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

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

Mina N. Baliamoune-Lutz, Ph.D. (Northeastern University) Associate Professor,  
Department of Economics and Geography

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

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

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

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

Jacqueline J. Batey, Ph.D. (University of Florida) Assistant Professor, Department of  
Childhood Education (Primary Education)

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

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

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

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

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

Tiffany Beechy, Ph.D. (University of Oregon) Assistant Professor, Department of English

David J. Begley, M.F.A. (Savannah College of Art & Design) Assistant Professor,  
Department of Art and Design (Graphic Design)

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

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

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

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

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

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

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

Sharon Bohres, M.S. (Barry University) Instructor, Department of Athletics Training and  
Physical Therapy (Athletic Training)

Michelle Boling, Ph.D., A.T.C. (University of North Carolina at Chapel Hill) Assistant  
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and Physical Therapy) (Athletic Training)

Yemisi A. Bolumole, Ph.D. (Cranfield University - England) Co-Director, Transportation  
and Logistics Flagship Program and Associate Professor, Department of Marketing and  
Logistics (Logistics)

Mary O. Borg, Ph.D. (University of North Carolina at Chapel Hill) Director, Office of  
Undergraduate Academic Enrichment Program (Enrichment) and The Honors Program;  
Professor, Department of Political Science and Public Administration

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

Susan Borsky, Ph.D. (Florida Atlantic University) Assistant Professor, Department of  
Psychology

Janet E. Bosnick, Ph.D. (University of Florida) Associate Professor, Department of Childhood Education (Mathematics Education)

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

Adel N. Boules, Ph.D. (Michigan State) Associate Professor, Department of Mathematics and Statistics (Mathematics)

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

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

Eileen D. Brady, M.S.L.S. (Florida State University) University Librarian

Joan L. Bray, Ph.D. (Purdue University) Associate Professor, Department of Biology

Peter Braza, Ph.D. (Northwestern University) Interim Dean, College of Computing, Engineering, and Construction; Professor, Department of Mathematics and Statistics (Mathematics)

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

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

Katharine C. Brown, M.B.A. (University of North Florida) Senior Instructor and Advisor, School of Computing

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

Peter Scott Brown, Ph.D. (Yale University) Assistant Professor, Department of Art and Design (Art History)

Shunda L. Brown, Ph.D. (University of Virginia) Assistant Professor, Department of Public Health

Alison J. Bruey (Yale University) Assistant Professor, Department of History

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

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

Charles H. Calhoun, Ph.D. (Florida State University) CPA, Director of the MAcc Program, Chair and Professor, Department of Accounting and Finance (Accounting)

Daniel J. Callcut, Ph.D. (Johns Hopkins University) Associate Professor, Department of Philosophy

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

David Cantor, Ph.D. (University of Maryland) Assistant Professor, Department of Marketing and Logistics (Logistics)

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

Lynne Carroll, Ph.D. (University of Pittsburgh) Director, Counselor Education Program; Associate Professor, Department of Psychology (Mental Health Counseling)

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



Keith Cartwright, Ph.D. (Indiana University) Associate Professor, Department of English

Dale A. Casamatta, Jr., Ph.D. (Ohio University) Associate Professor, Department of Biology

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

Terence Cavanaugh, Ph.D. (University of South Florida) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Instructional Technology)

Stuart Chalk, Ph.D. (University of Massachusetts, Amherst) Associate Professor, Department of Chemistry

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

Hong Chang, Ph.D. (University of California, Davis) Assistant Professor, Department of Economics and Geography (Economics)

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

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

Lei-Shih Chen, Ph.D. (Texas A&M University) Assistant Professor, Department of Public Health

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

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

Youngtae Choi, Ph.D. (Texas A&M University) Assistant Professor, Department of Marketing and Logistics (Marketing)

James Churilla, Ph.D. (University of Tennessee) Assistant Professor, Department of Public Health

Catherine Christie, Ph.D. (Florida State University) Associate Professor and Chair, Department of Nutrition and Dietetics

James Churilla, Ph.D. (University of Tennessee) Assistant Professor, Department of Clinical and Applied Movement Sciences (formerly Athletic Training and Physical Therapy) (Exercise Science)

Angeles Fernandez Cifuentes, Ph.D. (University of Texas-Austin) Assistant Professor, Department of World Languages

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

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

Charles E. Closmann, Ph.D. (University of Houston) Assistant Professor, Department of History

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

Blake Coglianesse, M.F.A. (Savannah College of Art and Design) Assistant Professor, Department of Art and Design (Multimedia and Graphic Design)

B. Jay Coleman, Ph.D. (Clemson University) Richard deRaimes Kip Professor of Operations Management and Quantitative Methods, Department of Management (Management and Quantitative Methods), Distinguished Professor, 2005

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

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

Judith Comeaux, M.S.N. (University of Florida) A.R.N.P., Instructor, School of Nursing

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

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

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

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

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

Neal S. Coulter, Ph.D. (Georgia Institute of Technology) Professor, School of Computing

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

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

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

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

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

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

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

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

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

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

Nofa Dixon, M.F.A. (Virginia Commonwealth University) Assistant Professor, Department of Art and Design (Art)

Linda Docks, M.A. (Nova University) Resident Clinical Faculty, Department of Childhood Education

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

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

Timothy J. Donovan, M.A. (Pennsylvania State University) Assistant Professor, Department of English

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

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

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

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

Kyle Echols, Ph.D. (University of Wisconsin-Madison) Assistant Professor, Department of World Languages (Spanish)

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

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

John A. Eisler, Ph.D. (Emory University) Associate Professor, Department of Psychology

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

Adel El-Safty, Ph.D. (North Carolina State University) Assistant Professor, School of Engineering (Civil Engineering)

Sherif A. Elfayoumy, Ph.D. (University of Louisville) Associate Professor, School of Computing

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

Reham A. Eltantawy, Ph.D. (Florida State University) Assistant Professor, Department of Marketing and Logistics (Marketing)

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

Joan Farrell, Ph.D. (State University of New York at Buffalo) Professor, Department of Public Health

David E. W. Fenner, Ph.D. (University of Miami) Dean of The Graduate School; Professor, Philosophy with collaborative appointment in the Department of Leadership, Counseling and Instructional Technology

Jorge Febles, Ph.D. (University of Iowa) Professor and Chair, Department of World Languages (Spanish)

Joy Fera, M.S. (University of North Florida) Instructor and Internship Coordinator, Department of Criminology and Criminal Justice

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

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

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

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

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

Cheryl A. Fountain, Ed.D. (University of Florida) Executive Director, Florida Institute of Education; Professor, Department of Leadership, Counseling and Instructional Technology

(Educational Leadership)

J. Michael Francis, Ph.D. (University of Cambridge-England) Associate Professor,  
Department of History

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

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

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

Elizabeth L. Furdell, Ph.D. (Kent State University) Professor, Department of History;  
Distinguished Professor, 2002

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

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

Andrés Alberto Gallo, Ph.D. (University of Illinois Champaign - Urbana) Associate  
Professor, Department of Economics and Geography (Economics)

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

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

Lev V. Gasparov, Ph.D. (Institute for Solid State Physics, Russia) Associate Professor,  
Department of Physics

Justin R. Gaudry, M.S. (University of North Florida) Senior Instructor, School of  
Computing

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

Patricia A. Geesey, Ph.D. (Ohio State University) Associate Professor, Department of  
World Languages (French)

Daniela Genova, M.Acc (University of South Florida) Assistant Professor, Department of  
Accounting and Finance (Accounting)

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

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

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

Tayeb A. Giuma, Ph.D. (University of Miami) Associate Professor, School of Engineering  
(Electrical Engineering)

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

Lakshmi Goel, Ph.D. (University of Houston) Assistant Professor, Department of  
Management

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

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

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

Vernice "Bunky" Green, M.M. (Northwestern University) Director of Jazz Studies,  
Professor, Department of Music (Music)

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

(Music)

Caroline Guardino, (University of Arizona) Assistant Professor, Department of Exceptional Student and Deaf Education

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

Saurabh Gupta, Ph.D. (University of Georgia) Assistant Professor, Department of Management (Management Information Systems)

Sandra L. Gupton, Ed.D. (University of North Carolina/Greensboro) Professor, Department of Department of Leadership, Counseling and Instructional Technology (Educational Leadership)

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

Courtney Hackney, Ph.D. (Mississippi State University) Professor and Chair, Department of Biology

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

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

Shirley Hallblade, Ph.D. (University of Iowa) Dean of the Library

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

Sami M. Hamid, Ph.D. (Texas A & M University) Assistant Professor, Department of Mathematics and Statistics (Mathematics)

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

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

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

Alan Harris, Ph.D. (University of Oklahoma) Assistant Professor, School of Engineering (Electrical Engineering)

Jeffrey Harrison, Ph.D. (Virginia Commonwealth University) Associate Professor, Department of Public Health (Health Administration)

Paul G. Harwood, Ph.D. (University of Maryland - College Park) Associate Professor, Department of Political Science and Public Administration

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

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

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

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, Department of Art and Design (Art History)

Stephen Heywood (Edinboro - University of Pennsylvania) Assistant Professor, Department of Art and Design (Ceramics)

Paul N. Higbee, M.A. (Central Michigan University) Instructor, School of Computing

Aaron Hilliard, Ph.D. (Meharry Medical College) Courtesy/Clinical Professor, Brooks College of Health

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

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

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

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

Anne H. Hopkins, Ph.D. (Syracuse University) Professor, Department of Political Science and Public Administration

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

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

Ellen A. Housel, M.F.A. (Florida State University) Assistant Professor, Department of Art and Design (Photography)

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

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

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

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

Cheie Ikeya (Cornell University) Assistant Professor, Department of History

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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N. Michael Jackson, Ph.D. (Oregon State University) PE, Associate Professor, Department of Construction Management

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David D. Jaffee, Ph.D. (University of Massachusetts-Amherst) Assistant Vice President for Undergraduate Studies; Professor, Department of Sociology and Anthropology (Sociology)

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Aiyan Jiag, Ph.D. (University of Florida) Assistant Professor, Department of Construction Management

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

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

Lynn Comer Jones, Ph.D. (Georgia State University) CPA, Associate Professor, Department of Accounting and Finance (Accounting)

Marnie C. Jones, Ph.D. (Northwestern University) Associate Dean, College of Arts and



Sciences; Professor, Department of English

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

Kareem Jordan, Ph.D. (Indiana University of Pennsylvania) Assistant Professor,  
Department of Criminology and Criminal Justice

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and Physical Therapy) (Athletic Training)

Rahul W. Kale, Ph.D. (University of Maryland) Assistant Professor, Department of  
Management (Management)

Jennifer Kane, Ph.D. (Florida State University) Associate Professor, Department of  
Leadership, Counseling and Instructional Technology (Sport Management)

Elizabeth Kanon, Ph.D. (Florida State University) Assistant Professor, Department of  
Philosophy (Philosophy)

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

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

Nicholas M. Karayanakis, Ph.D. (University of Illinois) Professor, Department of  
Leadership, Counseling and Instructional Technology

Jerzy J. Karylowski, Ph.D. (University of Warsaw) Professor, Department of  
Psychology; Distinguished Professor, 1995

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

C. Bruce Kavan, Ph.D. (University of Georgia) Professor and Chair, Department of  
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, Department of  
Foundations and Secondary Education (Literacy Education)

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

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

Kyung Kyu Kim, Ph.D. (University of Utah) Assistant Professor, Department  
of Accounting and Finance (Accounting)

A. Samuel Kimball, Ph.D. (University of Florida) Professor and Chair, Department of  
English

Pattapanorn "Aye" Kitsabunnarat, Ph.D. (University of Wisconsin-Milwaukee)  
Assistant Professor, Department of Accounting and Finance (Finance)

A. David Kline, Ph.D. (University of Wisconsin - Madison) Professor, Department of  
Philosophy; Director, Center for Ethics

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

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

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

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

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

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

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

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

Kenneth K. Laali, Ph.D. (University of Manchester) Professor and Chair, Department of Chemistry

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

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

Marcia Lamkin, Ed.D. (Teachers College, Columbia University) Assistant Professor, Department of Leadership, Counseling and Instructional Technology

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

Jason W. Lee, Ph.D. (Florida State University) Assistant Professor, Department of Leadership, Counseling and Instructional Technology (Sport Management)

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

Michael Lentz, Ph.D. (University of Alabama at Birmingham) Associate Professor and Director of Pre-Med Program, Department of Biology

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Joe M. Lesem, M.A. (University of Missouri) Associate Professor, Department of Communication (Broadcasting)

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

Nancy J. Levine, Ph.D. (Columbia University) Associate Professor, Department of English

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

Beyong Lim (Louisiana State University and A&M) Assistant Professor, Department of Construction Management

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

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

Professor of Accounting, Department of Accounting and Finance (Accounting)

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

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

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

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

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

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

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

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Charles R. Paulson, Ph.D. (University of Iowa) Associate Professor, Department of Biology

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

Rujikorn Pavasuthipaisit, Ph.D. (Princeton University) Assistant Professor, Department of Economics and Geography (Economics)

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

Thomas Pekarek, Ph.D. (Purdue University) Professor, Department of Physics

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

Jyotsna Pradhan, Ph.D. (University of Saskatchewan) Assistant Professor, Department of Chemistry

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

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

Radha Pyati, Ph.D. (University of North Carolina - Chapel Hill) Associate Professor and Director of the Environmental Center, Department of Chemistry

Nuria Ibanez Quintana, Ph.D. (Western Michigan University) Assistant Professor, Department of World Languages

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

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

Rama M. Rao, Ph.D. (Madurai University) Associate Professor, Department of  
Mathematics and Statistics (Mathematics)

Robert Reifsnieder, Jr., B.S. (University of North Florida) Laboratory Lecturer,  
Department of Chemistry and Physics (Chemistry)

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

Rose Marie Rine, Ph.D. (Northeastern University) P.T., Associate Professor, Department  
of Athletic Training and Physical Therapy (Physical Therapy)

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

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

William Romanchick, Ph.D. (University of Pennsylvania) Department of Chemistry

Sidney B. Rosenberg, Ph.D. (Georgia State University) Associate Professor,  
Department of Accounting and Finance (Real Estate), William F. Sheffield Professor of Real  
Estate

Cliff Ross, Ph.D. (University of California, Santa Barbara) Assistant Professor,  
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Nursing

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Linda Smith, M.N. (University of South Carolina) Courtesy/Assistant Professor, School of Nursing

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Carolyn L. Williams, Ph.D. (University of California at Los Angeles) Associate Professor, Department of History

Lunetta M. Williams, Ph.D. (University of Florida) Assistant Professor, Department of Childhood Education (Literacy Education)

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Kathleen Wittsell, M.A. (University of North Florida) Resident Clinical Faculty, Department of Childhood Education

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Mark E. Workman, Ph.D. (University of Pennsylvania) Provost and Vice President for Academic Affairs; Professor, Department of English

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Gregory Wurtz, Ph.D. (University of Technology Troyes - France) Assistant Professor, Department of Physics

Richmond D. Wynn, M.S. (University of North Florida) Instructor, Department of Public Health

Gabriel J. Ybarra, Ph.D. (University of Wisconsin - Milwaukee) Associate Professor and Coordinator for the MACP Program, Department of Psychology

Guy Yehuda, M.M. (Indiana University) Department of Music (Music)

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Mei-Qin Zhan, Ph.D. (Indiana University) Professor, Department of Mathematics and Statistics (Mathematics)

Ping Ying Zhang, Ph.D. (Norwegian School of Management BI) Assistant Professor, Department of Management

Mei Zhao, Ph.D. (Virginia Commonwealth) Associate Professor, Department of Public Health (Health Administration)

Ronald J. Zucker, M.S. (Troy State University in Montgomery) Instructor, School of Computing

## **Emeriti Faculty**

Afesa M. Adams, Ph.D. (University of Utah) Professor Emeritus of Psychology

Ron Adams, Ph.D. (University of Georgia) Professor Emeritus of Marketing

Richard Bizot, Ph.D. (University of Virginia) Professor Emeritus of English; Distinguished Professor, 1999.

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

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

Frederick M. Cole, Ed.D. (University of Florida) Professor Emeritus of Accounting

Sally A. Coltrin, Ph.D. (University of Missouri) Professor Emeritus of Management

George W. Corrick, Ed.D. (University of Florida) Associate Professor Emeritus of Education

James B. Crooks, Ph.D. (Johns Hopkins University) Professor Emeritus of History; Distinguished Professor, 1992

Mary Elizabeth D'Zamko, Ed.D. (University of Florida) Professor Emeritus of Education

Paul Eggen, Ph.D. (Oregon State University) Professor Emeritus of Education

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, 1991

Joan Farrell, Ph.D. (SUNY Buffalo) Dean Emeritus, Brooks College of Health

Betty M. Flinchum, Ph.D. (Louisiana State University) Professor Emeritus of Curriculum and Instruction

Linda Foley, Ph.D. (University of Florida) Professor Emeritus of Psychology

Jack S. Funkhouser, M.M. (Vanderbilt-Peabody) Director Emeritus of Instructional Communications

Charles M. Galloway, Ed.D. (University of Florida) Professor Emeritus of Educational Leadership

Mary L. Grimes, Ph.D. (University of Florida) Professor Emeritus of Education (deceased)

Bruce Gutnecht, Ed.D. (Wayne State University) Professor Emeritus of Childhood Education

Jerome Hallan, Dr.P.H. (University of North Carolina) Professor Emeritus of Health Science

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

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

Edward Johnson, Ph.D. (Michigan State University) Professor Emeritus of Management

Robert P. Jones, M.S.L.S. (Florida State University) University Librarian Emeritus

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, 1985

Leonard J. Lipkin, Ph.D. (University of Michigan) Professor Emeritus of Mathematics

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, 1981

David G. Moore, Ph.D. (University of Chicago) Professor Emeritus of Management

Charles E. Owens, Ed.D. (University of New Mexico) Professor, Professor Emeritus of Criminology and Criminal Justice

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 Emeritus 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

William Prince, D.M. (University of Miami) Professor Emeritus of Music

V. Lynne Raiser, Ed.D. (University of Florida) Professor Emeritus of Special Education

Christine Rasche, Ph.D. (Washington University) Associate Professor Emeritus of Criminology

William Roach, M.A. (University of Georgia) Professor Emeritus of Communication

Samuel E. Russell, Ed.D. (University of Pennsylvania) Professor Emeritus of Education (deceased)

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, 1996

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, 1990

Bette J. Soldwedel, Ed.D. (New York University) Professor Emeritus of Education; Distinguished Professor, 1979 (deceased)

Ann H. Stoddard, Ed.D. (University of Georgia) Professor Emeritus of Education

E. Allen Tilley, Ph.D. (University of Iowa) Professor Emeritus of English; Distinguished Professor, 1997

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

Reza Vaghefi, Ph.D. (Michigan State University) Professor Emeritus of Management

Simin B. Vaghefi, Ph.D. (Michigan State University) Associate Professor Emeritus of Nutrition

K.S. Venkatasubban, Ph.D. (University of Kansas) Professor Emeritus of Chemistry

Ellen Wagner, Ph.D. (University of Colorado) Associate Professor of Philosophy

Ellis F. White, Ed.D. (New York University) Dean Emeritus, College of Education and Human Services (deceased)

C. Donald Wiggins, D.B.A. (Louisiana Tech University) CPA, Professor Emeritus of Finance

William J. Wilson, Ph.D. (Texas A&M University) Professor Emeritus of Statistics;  
Distinguished Professor, 2004

Charles N. Winton, Ph.D. (University of North Carolina-Chapel Hill) Professor Emeritus  
of Computing

Gerson Yessin, Mus.D. (Florida State University) Professor Emeritus and Founding  
Chair, Department of Music; Distinguished Professor, 1986

#### **Naval Science (NROTC) Staff Officers**

Lee A. Steele, M.S.

(P. G. Monterey) Captain, U.S. Navy, Professor of Naval Science

D. Benton Howard, M.S. (P. G. Monterey) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Brent B. Lapp, M.S. (Naval War College) Commander, U.S. Navy, Asst. Professor of  
Naval Science

Ryan Miller, B.S. (Miami University) Captain, USMC, Marine Officer Instructor

John E. Dalton, B.S. (North Carolina State University) Lieutenant, U.S. Navy, Instructor

Peter Bissonnette, B.S. (U. S. Naval Academy) Lieutenant, U.S. Navy, Instructor

Kathleen R. Ehresmann, B.A. (University of Florida) Lieutenant, U.S. Navy, Instructor

Saul S. Pavlinsky, B.S. (Jacksonville University) Lieutenant, U. S. Navy, Instructor

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## Master of Science in Computer and Information Sciences

The School of Computing offers a [Master of Science degree](#), providing the opportunity for advanced study, laboratory work and research in the computing field to enhance professional opportunities in industry or providing the basis for further academic endeavors.

### 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. Total verbal and quantitative GRE scores of 1000 (400 V, 600 Q) or higher,
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 3601 at UNF)

### Information Systems Preparation

- Object-Oriented Programming & Data Structures (COP 3540 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 3540 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.

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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.

### **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 with the application, synthesis and/or extension of the knowledge gained to add to 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.

### **General 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 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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## School of Computing Programs

### Computer Science Program

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 preparation 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.

### Information Systems Program

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 preparation that includes standard software development practice is required for entry into the program. Grades of "B" or above are expected in any preparatory course work taken at UNF.

### Software Engineering Program

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 preparation that includes standard software development practice 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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## School of Computing Graduate Faculty

Judith L. Solano, Ph.D., Associate Professor & Director, School of Computing  
Roger Eggen, Ph.D., Professor & Director, Graduate Programs

(904) 620-2985; Fax (904) 620-2988

### Graduate Faculty

Sanjay P. Ahuja, Ph.D., Professor  
Yap Siong Chua, Ph.D., Professor Emeritus  
Neal S. Coulter, Ph.D., Professor  
Roger E. Eggen, Ph.D., Professor  
William F. 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 Prodanoff, Ph.D., Associate Professor  
Arturo J. Sanchez-Ruiz, Ph.D., Associate Professor  
Behrooz Seyed-Abbassi, Ph.D., Associate Professor  
Judith L. Solano, Ph.D., Associate Professor  
F. Layne Wallace, Ph.D., Associate Professor  
Karthikeyan Umapathy, Ph.D., Assistant Professor

### Affiliated Graduate Faculty

Richard Morin, Ph.D., F.A.C.R., Brooks-Hollern Professor, Mayo Medical School

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## School of Engineering

Stephan J. Nix, Ph.D., Director  
(904) 620-1390; Fax (904) 620-1391

Master of Science in Civil Engineering (M.S.C.E.)  
Master of Science in Electrical Engineering (M.S.E.E.)  
Master of Science in Mechanical Engineering (M.S.M.E.)

### Mission

The mission of each UNF Master of Science program is to prepare students to function in a demanding technical environment where their advanced engineering education will allow them to solve uncommon problems in their field of expertise. Through our commitment to engineering research and requiring students to participate in such activities we will provide opportunities for expanded content knowledge and development of critical thinking skills outside of a classroom setting. 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

A student receiving the M.S.C.E., M.S.E.E., or M.S.M.E. degree from the UNF School of Engineering:

#### Content Knowledge

- understands the theoretical basis for current practice in one or more areas of their chosen discipline.
- is knowledgeable about recent engineering advances in design, analysis, and construction.
- is able to apply advanced mathematics, advanced analytical techniques, and advanced numerical techniques to solve engineering problems.
- is able to obtain and analyze relevant data from advanced testing and characterization equipment.

#### Critical Thinking

- is able to identify and understand the assumptions in the important theories pertinent to one or more areas of their chosen discipline.
- is able to identify and understand the data required to solve engineering problems.
- is able to form conclusions and recommendations through advanced engineering analyses informed by the understanding of applicable engineering principles and theories.

#### Communication Skills

- is able to present technical data, analyses, and conclusions to their peers.
- is able to present technical data, analyses, and conclusions to the non-engineering community.
- is able to speak in an informed and convincing manner.

### 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.

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These outcomes are achieved by the successful completion of a cohesive program of study leading to an acceptable thesis or practice-oriented project. The master's thesis is an original work that adds to the understanding of an engineering problem. The practice-oriented project addresses the solution of a practical engineering problem. Both require the deep knowledge and critical thinking skills developed in the program of study to advance engineering knowledge or solve an engineering problem. In addition, the successful completion of a thesis or project requires well-developed writing and oral communications skills. This capstone experience is the most direct measure of the outcomes enumerated above.

The second measure is the dissemination of the thesis or project work in the peer-reviewed, archival literature. A practice-oriented project should produce, at a minimum, one conference proceedings paper. In the case of the thesis, multiple peer-reviewed papers in the archival literature are expected. These papers are typically coauthored by the student and his or her advisor.

### **Admission**

In addition to the UNF graduate admissions requirements, a student wishing to enter the M.S.C.E., M.S.E.E., or M.S.M.E. program must have:

1. A baccalaureate degree in the commensurate engineering discipline (e.g., a B.S.C.E. degree for admission to the M.S.C.E. program) from an ABET-accredited program or its demonstrable equivalent. Students with international degrees must have their credentials evaluated by an approved credential evaluation agency. Contact the Graduate School for the list of approved evaluation agencies.
2. A 3.0 grade point average or higher (on a 4.0 scale) for all work attempted as an upper-level student, typically the last 60 credits of undergraduate work.
3. A combined score on the verbal and quantitative sections of the Graduate Record Examination (GRE) of 1000, with a minimum of 550 in the quantitative section. GRE scores cannot be more than five years old.
4. A minimum score of 550 (PBT), 213 (CBT), or 80 (iBT) on the Test of English as a Foreign Language (TOEFL) (for students from non-English speaking countries only).
5. Three letters of recommendation attesting to the student's potential for graduate studies in a chosen field. At least one letter must come from a professor at the student's undergraduate institution.

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 applications are reviewed on a case-by-case basis. Any deviation from the above requirements may result in provisional admission to the program. Full admission is based on the successful completion of remedial actions deemed necessary and appropriate by the faculty. One of the more common exceptions is made for students without a B.S. in the same discipline being pursued at the graduate level. These students may be admitted to their chosen M.S. program on a provisional basis and granted full admission after completion of a suite of undergraduate background courses determined by the supervisory committee. All required undergraduate background courses must be completed before attempting graduate coursework.

### **General Requirements**

Students select one of two degree options: (1) thesis option or (2) project option. The thesis option consists of a minimum of 30 credit hours. The 30 credit hours consist of a minimum of 24 credit hours of course work and 6 credit hours to complete a thesis. The project option consists of a minimum of 30 credits. The 30 credit hours consist of a minimum of 27 credit hours of coursework and 3 credit hours to complete a practice-oriented project. Regardless of the option, the student must complete all graduate coursework with a 3.0 grade point average. Pass-fail courses may not be used to satisfy the coursework requirement.

The number of credits that can be transferred from other institutions is limited to 6 credit hours, with the exception that students may transfer up to 12 credits from the Florida Engineering Education Delivery System (FEEDS) provided that the total of FEEDS courses and other transfer courses does not exceed 12 credit hours. This limitation does not apply to FEEDS courses offered by UNF. FEEDS is described in more detail elsewhere in the Graduate Catalog.

### **Student Graduate Advisor and Graduate Committee**

Each entering graduate student will be assigned a graduate advisor by the director of the School of Engineering based on the student's area of interest. The graduate advisor must be 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 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 option or the project option.

## Program of Study

**The Thesis:** 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.

**The Practice-Oriented Project:** The practice-oriented project addresses the solution of a practical engineering problem. The supervisory committee approves the project topic. A project report is completed and presented at an open seminar in the student's penultimate or last semester. The supervisory committee determines if the project presentation and report are acceptable.

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## Master of Science in Civil Engineering (MSCE)

The program of study consists of 30 credit hours. Students must select one of two focus areas: (1) geotechnical/structural or (2) water resources/environmental. 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 and project credits).

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## Master of Science in Electrical Engineering (MSEE)

The program of study consists of 30 credit hours. Students must select one of three concentrations (communications, computer, or controls and signal processing) and take at least six credit hours in that concentration. Every student must also take the required course EGN 6456 - Advanced Engineering Analysis. The remaining course work is chosen from other concentration courses or approved elective courses. 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 and project credits).

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## 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 and project credit hours).

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## Florida Engineering Education Delivery System (FEEDS)

Gerald Merckel, CCEC Distance Learning

(904) 620-2695; Fax: (904) 620-2694  
e-mail: [feeds@unf.edu](mailto:feeds@unf.edu)

The Florida Engineering Education Delivery System (FEEDS) delivers academic programs to engineers worldwide. Delivery sites include university FEEDS centers, industry and government agency sites, and the internet. Course materials originate at FEEDS centers, which are located in the colleges and schools of engineering of Florida institutions having accredited degree programs. Florida Agricultural and Mechanical – Florida State Universities (FAMU – FSU), Florida Atlantic University (FAU), Florida International University (FIU), The University of Central Florida (UCF), The University of Florida (UF), The University of South Florida (USF), University of Miami (UM), Florida Institute of Technology (FIT), and Embry Riddle Aeronautical University (ERAU), and the University of North Florida (UNF) are the institutions housing these FEEDS centers. Florida Gulf Coast University (FGCU), and The University of West Florida (UWF) serve as FEEDS centers, facilitating the delivery of degree programs and courses in their respective geographic areas. Many participating industry and government agency receiving locations make up the remainder of the FEEDS sites.

FEEDS was developed in response to the need of engineering graduates working in industry for access to quality graduate programs and extended studies in engineering. FEEDS, in effect, provides a unique university experience for place-bound engineers. The innovative use of electronic, computer, and telecommunications media brings students and professors together intellectually, regardless of location.

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## Florida Engineering Education Delivery System (FEEDS)

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Graduate engineering courses are available to support degree programs (Master of Engineering or Master of Science). Non-degree certificate programs and courses are available to support professional development. Degree programs are available in the following disciplines:

Civil Engineering  
Civil  
Environmental  
Structures/Mechanics  
Structures  
Transportation  
Water Resources

Computer Science and Engineering  
Computer and Information Sciences  
Computer Engineering  
Computer Science  
Computer Systems  
Information Systems

Electrical Engineering  
Biomedical  
Communications  
Computer Engineering  
Controls  
Digital Systems  
Electromagnetics  
Electronic Circuits  
Electro-optics  
Networks  
Power  
Radar Systems  
Robotics  
Signal Processing  
Solid State  
Superconductors  
VLSI

Industrial Engineering  
Engineering Management  
Operations Research  
Robotics  
Simulation Systems

Mechanical Engineering  
Automatic Controls and Robotics  
Biomedical  
Computational Mechanics  
Electronic Packaging  
Energy Analysis  
Energy Systems/Mechanical Systems

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Florida Engineering Education  
Delivery System (FEEDS)

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Graduate Faculty

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Fluid Mechanics  
Heat Transfer  
HVAC  
Machine Systems/Thermal Systems  
Manufacturing Systems Engineering  
Manufacturing Methods: CIM and Robotics  
Mechanical  
Mechanical Systems Analysis

Courses in other engineering disciplines (aerospace, chemical, coastal, engineering sciences, materials and ocean) are offered to meet the needs of engineers in these areas. Other engineering disciplines may be added as the demand arises. Students at any of the Centers, in principle, have access to the graduate programs of any of the other Centers. FEEDS is committed to delivering programs that meet the needs of the community it serves.

Each center has a director or coordinator responsible for supervision of the FEEDS operation at that center and for coordination with the academic Schools.

## **Admission**

### **General Information**

The terms and policies for admission vary slightly from university to university. Prospective students must refer to the admission procedures and the catalog of the primary university of interest for specific information.

There are two student classifications for FEEDS participants: graduate degree-seeking and non-degree-seeking.

### **Degree Seeking**

State University System minimum requirements for graduate degree seeking students:

- Formal admission to a graduate program
- Baccalaureate degree in an appropriate discipline from a regionally accredited school
- Earned GPA of 3.0 or better on a 4.0 scale
- Total score of at least 1000 on the Graduate Record Examination (verbal and quantitative portions) or previous graduate degree from an accredited institution
- Transcripts of all college work completed
- Payment of the application fee

Notes: The total number of credits, which may be transferred to a degree program, is limited (normally six to nine credit hours); approval is never automatic. Students not meeting graduate admission requirements may be admitted in a conditional or provisional status. Requirements in addition to the minimums stated above may be specified for some degree programs.

### **Non-Degree Seeking**

- Transcripts and GRE scores are not required

### **Distance Learning/FEEDS**

Students enrolled in distance learning sections (including FEEDS) of video-based courses conducted in the Donald D. Farshing Video Production Facility will be assessed a fee of \$125 per course to defray some of the costs involved in delivering these classes.

### **Transfer of Credit**

The allowed transfer of credit varies between institutions and individual degree programs. In general, only graduate level courses may be transferred into a degree program, with a grade of "B" (3.0 on a 4.0 scale) or above, from a regionally accredited institution; the credits allowed will apply to the degree program but the grades earned will not be included in the student's GPA. The maximum number of credit hours normally allowed ranges from six to nine hours; consult the graduate advisor for possible exceptions to this rule for credits transferred within the SUS.

### **Registration**

All students, degree and non-degree seeking, must register each term to enroll in one or more courses. Registration takes place approximately 30-60 days prior to each semester at selected centers throughout Florida. Contact the UNF FEEDS Center, telephone (904) 620-2695, e-mail: [feeds@unf.edu](mailto:feeds@unf.edu) for detailed information. Each student is responsible for submitting adds, drops and withdrawals within the published deadline, using the proper forms.



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## School of Engineering Faculty

Stephan J. Nix, Ph.D., Professor & Director, School of Engineering  
(904) 620-1390; Fax (904) 620-1391

### Civil Engineering

Stephan J. Nix, Ph.D., Professor  
Nick W. Hudyma, Ph.D., P.E., Associate Professor  
N. Michael Jackson, Ph.D., P.E., Associate Professor  
Adel El-Safty, Ph.D., P.E., Assistant Professor  
Thobias Sando, Ph.D., E.I., Assistant Professor

### Electrical Engineering

Chiu H. Choi, Ph.D., P.E., Professor  
Gerald U. Merckel, Ph.D., Professor  
Tayeb A. Giuma, Ph.D., Associate Professor  
Susan Vasana, Ph.D., Associate Professor  
Alan Harris, Ph.D., Assistant Professor  
Dean J. Krusienski, Ph.D., Assistant Professor

### Mechanical Engineering

Joseph L. Campbell, Ph.D., P.E., Professor  
Daniel J. Cox, Ph.D., Professor  
James H. Fletcher, Ph.D., Associate Professor  
Alexandra Schönning, Ph.D., Associate Professor  
Paul D. Eason, Ph.D., P.E., Assistant Professor  
Richard V. Conte, Ph.D., P.E., Instructor

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## School of Computing

Judith L. Solano, Ph.D., Associate Professor & Director

John E. Mathews Jr. Building,  
School of Computing, Building 15/Room 3201  
(904) 620-2985  
[www.unf.edu/cccec/soc](http://www.unf.edu/cccec/soc)

The School of Computing has primary responsibility for all computer-related instruction at UNF. For undergraduate students, the school offers the Bachelor of Science degree in Computer 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 business 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.

### 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

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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.

#### **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 dean 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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## Computing Programs

### Computer Science Program

The [Computer Science program](#) at the University of North Florida is accredited by the Computing Accreditation Commission (CAC) of ABET Inc. Initial accreditation was extended in 1986.

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.

### Information Systems Program

The [Information Systems Program](#) is accredited by the Computing Accreditation Commission (CAC) of ABET Inc. Initial accreditation was extended in 2003.

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.

### Information Science Program

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

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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.

### **Information Technology Program**

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 all students for a career in the information technology field, for further study in information technology, for functioning in modern society, and 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.

### **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, 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.

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## Academic Policies of the School of Computing

The College of Computing, Engineering and Construction adhere to all academic policies and regulations of the University. In addition, the policies listed below apply to all undergraduate students in the School of Computing.

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

In addition to program prerequisites, students seeking admission to the School of Computing must meet the general requirements of the University relative to credit hours in lower-division courses, grade point average, and general education distribution (see the general "Academic Policies and Regulations" section of this catalog). Students should complete the Declaration of Major form during the term in which they complete 60 credit hours with at least a 2.0 GPA, including 36 hours of general education requirements; satisfaction of Gordon Rule writing and math requirements; and passing scores on CLAST. Students lacking any program prerequisites may be admitted provisionally until all prerequisites have been completed.

### Admission with less than 2.0 Grade Point Average

Students who are admitted with less than the minimum 2.0 grade point average are placed on academic probation. Special conditions for admission are outlined by the director of the school, and students must meet these conditions in order to continue their studies in the School of Computing.

### Academic Advising

When a student is admitted to the School of Computing, an advisor will prepare a 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.

### 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.

### Concurrent Coursework

Once a student is admitted to UNF, the student may not complete course work at another

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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 courses at UNF.

Concurrent enrollment at another college or university is not allowed during a student's graduating semester.

### **Satisfactory Progress Policy**

The school enforces a "one repeat" rule for all prerequisite and core requirements taught by this 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.

### **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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## School of Computing Faculty

Judith L. Solano, Ph.D., Associate Professor & Director  
Sanjay P. Ahuja, Ph.D., Professor  
Yap S. Chua, Ph.D., Professor Emeritus  
Neal S. Coulter, Ph.D., Professor  
Roger E. Eggen, Ph.D., Professor  
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  
Arturo J. Sanchez, Ph.D., Associate Professor  
Behrooz Seyed-Abbassi, Ph.D., Associate Professor  
F. Layne Wallace, Ph., D., Associate Professor  
Karthikeyan Umapathy, Ph.D., Assistant Professor  
Katharine C. Brown, MBA., Senior Instructor & Advisor  
Lisa A. Jamba, MAE., Senior Instructor & Advisor  
Justin Gaudry, M.S., Senior Instructor

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## School of Engineering

Stephan J. Nix, Ph.D., Professor & Director  
Richard V. Conte, Ph.D. P.E., Academic Advisor & Instructor

Science and Engineering Building (Building 50), Room 2500

(904) 620-1390

<http://www.unf.edu/cccec/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.

Students wishing to take courses in any engineering major or minor must be accepted (by an engineering advisor sign-off) before enrolling in any engineering course. Applications for the major should be made through the University Admissions Office in Founders Hall, Building 2. 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)
- 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)
- Society of Hispanic Professional Engineers (SHPE)
- Florida Structural Engineers Association (FSEA)
- American Water Resources Association (AWRA)

### Vision

The UNF School of Engineering offers engineering education and research programs that:

- serve a diverse body of talented, accomplished, and motivated students,
- produce graduates that are desired by employers above all others,
- significantly improve the quality of life in Northeast Florida and beyond, and
- enhance the stature of the profession.

### Mission

Academic programs in the UNF School of Engineering provide our students the maximum

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opportunity for leadership, innovation, and success in their careers and lives. We do this by:

- providing a solid engineering education rooted in the fundamentals of the basic sciences, mathematics, and engineering sciences;
- developing critical thinking abilities through real, hands-on challenges in industry and/or research;
- giving context to the technical curriculum through a rigorous liberal arts education and a commitment to service learning;
- conducting research programs that enhance the education of our students, the professional development of our faculty and staff, the technical needs of our industrial partners, and the well being of society; and
- ensuring that all of our programs contribute significantly and measurably to the quality of life in Northeast Florida and beyond.

## Values

All members of our learning community — students, faculty, staff, administrators, and our industry partners — foster individual and group success through continuous improvement, mutual respect and support, and the highest expectations. Only the most rigorous standards of ethical behavior and collegiality are acceptable. Each member of our learning community is expected to think critically and imaginatively, to be responsible for one's own actions, to take the initiative to improve the common good, to have entrepreneurial spirit, and to work effectively in teams. We believe that only through exemplary service and leadership in the profession and society does the engineer become a true professional.

## 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.

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. 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. 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 advisor assigns 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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## Civil Engineering Program

Stephan J. Nix, Ph.D., Professor  
 N. Michael Jackson, Ph.D., P.E., Associate Professor  
 Nick W. Hudyma, Ph.D., P.E., Associate Professor  
 Adel El-Safy, Ph.D., P.E., Assistant Professor  
 Thobias M. Sando, Ph.D., E.I, Assistant Professor

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, Inc., 111 Market Place, Suite 1050, Baltimore MD 21202-4012, telephone (410) 347-7700.

### Program Educational Objectives

UNF School of Engineering academic programs produce graduates who:

- are able to solve significant engineering problems,
- are skilled at conveying their ideas through written, oral, and visual communications,
- are highly effective in multidisciplinary teams,
- exhibit leadership skills in business, the profession and their communities,
- are able to thrive in a dynamic global environment, and
- know and uphold the ethical standards of the profession.

### 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;
- proficiency in mathematics through differential equations, probability and statistics,

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- calculus-based physics, and general chemistry;
- proficiency in a minimum of four recognized major civil engineering areas;
- the ability to conduct laboratory experiments and to critically analyze and interpret data in more than one of the recognized major civil engineering areas;
- the ability to perform civil engineering design by means of design experiences integrated throughout the professional component of the curriculum;
- an understanding of professional practice issues such as: procurement of work; bidding versus quality based selection processes; how the design professionals and construction professions interact to construct a project; the importance of professional licensure and continuing education; and/or other professional practice issues.

### **Admission Prerequisites**

Must be taken prior to entering the Civil Engineering Program. Admission is based primarily on a student's overall GPA and GPA in the prerequisite Calculus and Physics courses. Grades of "C" or better (a 2.5 GPA is required in both the Physics and Calculus sequences) are required in all prerequisite courses. Once admitted, students must maintain at least a 2.0 GPA, and may not take a civil engineering course without having earned at least a "C" in all of its prerequisite courses. Students are encouraged to register for EGN 3311 Statics as soon as satisfying its prerequisites.

### **Major Requirements**

The Civil Engineering program requires 128 credit hours.

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## Electrical Engineering Program

Chiu H. Choi, Ph.D., PE, Professor  
 Gerald U. Merckel, Ph.D., Professor  
 Tayeb A. Giuma, Ph.D., Associate Professor  
 Susan Vasana, Ph.D., Associate Professor  
 Alan Harris, Ph.D., Assistant Professor  
 Dean J. Krusienski, Ph.D., Assistant Professor

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, Inc., 111 Market Place, Suite 1050, Baltimore MD 21202-4012, telephone (410) 347-7700.

### Program Educational Objectives

UNF School of Engineering academic programs produce graduates who:

- are able to solve significant engineering problems,
- are skilled at conveying their ideas through written, oral, and visual communications,
- are highly effective in multidisciplinary teams,
- exhibit leadership skills in business, the profession and their communities,
- are able to thrive in a dynamic global environment, and
- know and uphold the ethical standards of the profession.

### 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;

COMPUTING, ENGINEERING &  
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School of Computing

School of Engineering

School of Engineering

Civil Engineering Program

Electrical Engineering  
Program

Mechanical Engineering  
Program

Construction Management

CCEC Distance Learning



- a knowledge of contemporary issues;
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
- a knowledge of probability and statistics and their applications in electrical engineering;
- a knowledge of mathematics through differential and integral calculus, and basic engineering sciences necessary to analyze and design electrical and electronic circuits and systems; and
- a knowledge of advanced mathematics, typically including differential equations, linear algebra, complex variables, and discrete mathematics.

### **Admission Prerequisites**

Must be taken prior to entering the Electrical Engineering major or minor program. Admission is based primarily on a student's overall GPA and GPA in the prerequisite calculus and physics courses. Grades of "C" or better (a 2.5 GPA is required in both the physics and calculus sequences) are required in all prerequisite courses. Once admitted, students must maintain at least a 2.0 GPA, and may not take an electrical engineering course without having earned a 2.5 GPA in the physics and calculus sequences and at least a "C" in all of its prerequisite course(s). Students are encouraged to register for EEL 3111 Electric Circuits as soon as satisfying its prerequisites.

### **Major Requirements**

The Electrical Engineering major requires 128 credit hours.



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ACADEMIC CALENDAR

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UNDERGRADUATE CATALOG 2009-2010

College of Computing, Engineering & Construction

School of Computing Faculty > School of Engineering > Civil Engineering Program > Electrical Engineering Program > Mechanical Engineering Program

## Mechanical Engineering Program

Joseph L. Campbell, Ph.D., PE, Professor  
 Daniel Cox, Ph.D., Professor  
 James Fletcher, Ph.D., Associate Professor  
 Alexandra Schönning, Ph.D., Associate Professor  
 Richard V. Conte, Ph.D., PE, Instructor

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, Inc., 111 Market Place, Suite 1050, Baltimore MD 21202-4012, telephone (410) 347-7700.

### Program Educational Objectives

UNF School of Engineering academic programs produce graduates who:

- are able to solve significant engineering problems,
- are skilled at conveying their ideas through written, oral, and visual communications,
- are highly effective in multidisciplinary teams,
- exhibit leadership skills in business, the profession and their communities,
- are able to thrive in a dynamic global environment, and
- know and uphold the ethical standards of the profession.

### 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;

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Civil Engineering Program

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CCEC Distance Learning



- a knowledge of chemistry and calculus-based physics with depth in at least one; the ability to apply advanced mathematics through multivariate calculus and differential equations; familiarity with statistics and linear algebra; and
- the ability to work professionally in both thermal and mechanical systems areas including the design and realization of such systems.

### **Admission Prerequisites**

Must be taken prior to entering the Mechanical Engineering program. Admission is based primarily on a student's overall GPA and GPA in the prerequisite calculus and physics courses. Grades of "C" or better are required in all prerequisite courses; a 2.5 GPA is required in both the physics and calculus sequences. Once admitted, students must maintain at least a 2.0 GPA, and may not take a mechanical engineering course without having earned at least a "C" in all of its prerequisite courses.

Students are encouraged to register for EGN 3311 Statics as soon as satisfying its prerequisites.

### **Major Requirements**

The Mechanical 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, COP 2220 Computer Science I, EGN 3311 Statics, and one credit of free elective.



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## Brooks College of Health

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### Majors

[Community Health - Health Promotion/Health Ed, MPH](#)

[Nursing - Clinical Nurse Spec-PT, MSN](#)

[Health Administration, MHA](#)

[Nursing - Nurse Anesthetist, MSN](#)

[Health Science - Geriatric Management, MSH](#)

[Nursing - PC Nurse Practitioner-FT, MSN](#)

[Health Science - Nutrition, MSH](#)

[Nursing - PC Nurse Practitioner-PT, MSN](#)

[Nursing - Clinical Nurse Leader: FT, MSN](#)

[Nursing - RN-MSN Bridge, MSN](#)

[Nursing - Clinical Nurse Leader: PT, MSN](#)

[Nursing, DNP](#)

[Nursing - Clinical Nurse Spec-FT, MSN](#)

[Physical Therapy, DPT](#)

### Certificates

[Aging Services Certificate](#)

[Post-Masters FNP Certificate](#)

## Coggin College of Business

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### Majors

[Accounting - Taxation Concentration, MACC](#)

[General Business - GlobalMBA, MBA](#)

[Accounting, MACC](#)

[General Business - HRM Concentration, 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, MBA](#)

[General Business - Finance Concentration, MBA](#)

### Certificates

[E-Business Certificate](#)

[International Business Cert](#)

## College of Arts and Sciences

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### Majors

[Biology, MA](#)

[History - US History with Thesis, MA](#)

[Biology, MS](#)

[Mathematical Science - Mathematics, MS](#)

[Counseling Psychology, MAC](#)

[Mathematical Science - Statistics, MS](#)

[Criminal Justice, MSCJ](#)

[Practical Phi & Applied Ethics, MA](#)

[English - Composition and Rhetoric, MA](#)

[Public Administration - General Administration, MPA](#)

[English, MA](#)

[Public Administration - Health Administration, MPA](#)

[General Psychology, MA](#)

[Public Administration - Local Government Policy & Adm, MPA](#)

[History - European History \(Non-Thesis\), MA](#)

[Public Administration - National Security, MPA](#)

[History - European History with Thesis, MA](#)

[Public Administration - Non-Profit Management, MPA](#)

[History - US History \(Non-Thesis\), MA](#)

### Certificates

[Applied Ethics Certificate](#)

[Nonprofit Management Cert](#)

## College of Computing, Engineering and Construction

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## Majors

[Civil Engineering - Geotechnical/Structural, MSCE](#)

[Computer & Info Sciences - Software Engineering, MS](#)

[Civil Engineering - Water Resources/Environmental, MSCE](#)

[Electrical Engineering, MSEE](#)

[Computer & Info Sciences - Computer Science, MS](#)

[Mechanical Engineering, MSME](#)

[Computer & Info Sciences - Information Systems, MS](#)

## College of Education and Human Services

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## Majors

[Counselor Education - Mental Health Counseling, MED](#)

[Elementary Education - Tch English as Second Language, MED](#)

[Counselor Education - School Counseling, MED](#)

[Secondary Education - Adult Learning, MED](#)

[Educational Leadership - Advanced Teaching & Learning, MED](#)

[Secondary Education - Instructional Technology, MED](#)

[Educational Leadership - Educational Tech Leadership, MED](#)

[Secondary Education - Professional Studies, MED](#)

[Educational Leadership - Postsecondary & Adult Studies, MED](#)

[Secondary Education - Tch English as Second Language, MED](#)

[Educational Leadership - School Leadership, MED](#)

[Special Education - Amer Sign Language/Interpret, MED](#)

[Educational Leadership, DEDD](#)

[Special Education - Applied Behavior Analysis, MED](#)

[Elementary Education - Elementary \(K-6\) Initial Cert, MED](#)

[Special Education - Deaf Education, MED](#)

[Elementary Education - Literacy, MED](#)

[Special Education - Disability Services, MED](#)

[Elementary Education - Professional Education, MED](#)

[Special Education - Exceptional Student Education, MED](#)

## Certificates

[Educational Leadership Cert](#)

[Transformation of Conflict](#)



GRADUATE CATALOG 2009-2010

Major: Community Health  
Concentration: Health Promotion/Health Ed  
Degree: Master of Public Health

Core Requirements (27 credits)

HSA6114 3 Health Organization/Delivery  
HSC6215 3 Environmental Health/Safety  
HSC6505 3 Epidemiology/Disease Control  
HSC6512 3 Applied Health Statistics  
HSC6603 3 Theory of Health Behavior  
HSC6735 3 Health Science Research  
PHC5370 3 Bio Foundations Public Health  
PHC6103 3 Public Health Practice  
PHC6412 3 Culture And Health

Major Requirements (15 credits)

HSC6585 3 Hlth Promo/Hlth Edu Strategies  
HSC6587 3 Program Plan Hlth Promo/Edu  
HSC6706 3 Grantsmanship  
HSC6716 3 Health Program Evaluation  
PHC6450 3 Community Org in Public Health

Capstone Experience (6 credits)

Attention: A comprehensive examination is required. The exam is taken during the final semester of enrollment.

PHC6940 3 -6 Public Health Capstone

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Clinical Nurse Spec-PT  
Degree: Master of Science of Nursing

1st Semester (6 credits)

Fall semester

NGR5141 3 Advanced Pathophysiology  
NGR5172 3 Pharmacotherapeutics

2nd Semester (6 credits)

Spring semester

NGR5810 3 Research Methods for EBP  
NGR5110 3 Theory Framework for Practice

3rd Semester (3 credits)

Summer semester

Students are encouraged to begin Projects or Thesis in Third semester for 3 semester hours.

SELECT ONE OF THE FOLLOWING

- NGR6970 Nursing Project
- NGR6971 Nursing Thesis

4th Semester (6 credits)

Fall semester

NGR5003C 3 Health Assessment/Diagnostics  
SELECT ONE COURSE FROM THE FOLLOWING

- EDA6302 Lifelong Learning and Professional Development
- EDG6626 Curriculum and Instruction for Adult Learner

5th Semester (6 credits)

Spring semester

NGR5780C 3 Clinical Nurse Specialist I  
SELECT NURSING PROJECT OR THESIS

- NGR6970 Nursing Project - If Project was not completed in Third semester, students must register for up to 3 additional hours of NGR6970 in Fifth semester.

- NGR6971 Nursing Thesis - Students choosing Thesis option in Third semester must register for 3 additional hours of NGR6971 in Fifth semester.

## 6th Semester (3 credits)

Summer semester

NGR6637C 3 Clinical Nurse Specialist II

## 7th Semester (6 credits)

Fall semester

NGR6711C 3 Clinical Nurse Specialist III

SELECT ONE COURSE FROM THE FOLLOWING

- EDA6302 Lifelong Learning & Professional Development
- EDG6626 Curriculum & Instruction for Adult Learning

## 8th Semester (7 credits)

Spring semester

NGR6740 3 Advanced Nursing Practice Role

NGR6940C 4 Clinical Nurse Spec Practicum

Permalink:



GRADUATE CATALOG 2009-2010

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), Administrative Management (MAN3025), and Elementary Statistics (STA2014 or STA2023).

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Major Requirements (51 credits)

HSA5177 3 Health Care Finance  
HSA6114 3 Health Organization/Delivery  
HSA6186 3 Healthcare Leadership  
HSA6435 3 Health Economics  
HSA6198 3 Health Information Technology  
HSA6196 3 Quantitative Analysis Health  
HSA6905 3 Health Policy  
HSA6385 3 Quality Management Health Care  
HSA6149 3 Health Planning and Marketing  
HSA6427 3 Health Law  
HSA6342 3 Healthcare Human Resources  
HSA6178 3 Adv Health Care Financial Mgmt  
MAN6204 3 Organizational Theory  
HSC6505 3 Epidemiology/Disease Control  
HSA6188 3 Capstone:Healthcare Strat Mgmt  
SELECT ONE OPTION:

For a total of 6 hours:

- HSA 6815 Pract: Exec Skill Development
- HSA 6945 Long Term Care Internship
- HSC 6970 Thesis

Electives (3 credits)

SELECT ONE COURSE:

- HSA6126 Managed Health Care
- HSA6197 Health Systems Analysis
- HSA6225 Long Term Care Administration
- HSA6707 Research Methods Health Administration
- HSA6908 Directed Independent Study

- HSA6958 Study Abroad: Healthcare
- HSC6656 Professional Ethics in Health Care
  - ACG6305 Management Accounting
  - PAD5605 Administrative Law
  - PAD6612 Regulatory Administration

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Nurse Anesthetist  
Degree: Master of Science of Nursing

1st Semester (16 credits)

Fall semester

NGR5172 3 Pharmacotherapeutics  
NGR5141 3 Advanced Pathophysiology  
NGR6421 2 Prin of Anesth Nursing I  
NGR6400 2 Chem and Phy Anes Nsg-I  
NGR5003C 3 Health Assessment/Diagnostics  
NGR6460 1 Pharm Anes Nsg I  
NGR6492 1 Prof Asp of Anesthesiology Nur  
NGR6431L 1 Anesth Nursing Practicum I

2nd Semester (16 credits)

Spring semester

NGR6404 3 Adv Biosc Anes Nsg I  
NGR6422 3 Prin of Anesth Nursing II  
NGR6461 2 Pharm Anes Nsg II  
NGR6401 1 Chem and Phy Anes Nsg-II  
NGR5110 3 Theory Framework for Practice  
NGR6493 1 Technology in Anesth Nursing  
NGR6432L 3 Anesth Nursing Practicum II

3rd Semester (13 credits)

Summer semester

NGR6490 2 Regional Anesthesia  
NGR5810 3 Research Methods for EBP  
NGR6423 2 Prin of Anesth Nursing III  
NGR6433L 6 Anesth Nursing Practicum III

4th Semester (12 credits)

Fall semester

NGR6405 3 Adv Biosc Anesth Nursing II  
NGR6970 1 -3 Nursing Project  
NGR6434L 8 Anesth Nursing Practicum IV

## 5th Semester (11 credits)

Spring semester

NGR6424 2 Prin of Anesth Nursing IV  
NGR6970 1 -3 Nursing Project  
NGR6435L 8 Anesth Nursing Practicum V

## 6th Semester (12 credits)

Summer semester

PHC6412 3 Culture And Health  
NGR6436L 8 Anesth Nursing Practicum VI  
NGR6970 1 -3 Nursing Project

## 7th Semester (12 credits)

Fall semester

NGR6491 3 Adv Anes Nsg Sem  
NGR6437L 8 Anesth Nurs Practicum VII  
NGR6970 1 -3 Nursing Project

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GRADUATE CATALOG 2009-2010

Major: Health Science  
Concentration: Geriatric 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).

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Core Requirements (12 credits)

HSA6225 3 Long-Term Care Administration  
HSC6560 3 Aging Health Multicultural Soc  
GEY6623 3 Aging and Health Policy  
HSC6737 3 Applied Research in Aging

Major Requirements (18 credits)

HSA5177 3 Health Care Finance  
HSA6114 3 Health Organization/Delivery  
HSA6186 3 Healthcare Leadership  
HSA6342 3 Healthcare Human Resources  
HSA6425 3 Health Law  
HSA6385 3 Quality Management Health Care

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 COURSE FROM THE LIST

Electives must be selected from the following list. Any substitutions require faculty advisor approval.

- HSA 6198 Health Information Technology
- HSA 6905 Health Policy
- HSA 6149 Health Planning and Marketing

- [HSA 6958 StudyAbroad Health](#)
- [HSA 6908 Directed Independent Study](#)
- [HSC 6505 Epidemiology and Disease Control](#)
- [HSC 6706 Grantsmanship](#)

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: PC Nurse Practitioner-FT  
Degree: Master of Science of Nursing

1st Semester (9 credits)

Fall semester

NGR5003C 3 Health Assessment/Diagnostics  
NGR5172 3 Pharmacotherapeutics  
NGR5141 3 Advanced Pathophysiology

2nd Semester (9 credits)

Spring semester

NGR5601C 3 Advanced Nursing Practice I  
NGR5810 3 Research Methods for EBP  
NGR5110 3 Theory Framework for Practice

3rd Semester (6 credits)

Summer semester

Students are encouraged to begin Projects (NGR6970) in third semester for 3 semester hours.

NGR6602C 3 Advanced Nursing Practice II  
SELECT NURSING PROJECT OR THESIS

- Students selecting NGR6970 - Project option must take a 3 credit hour elective.
- Students selecting NGR6971 - Thesis must complete a total of 6 credit hours of NGR6971.

4th Semester (9 credits)

Fall semester

HSA6114 3 Health Organization/Delivery  
NGR6603C 6 Advanced Nursing Practice III

5th Semester (10 credits)

Spring semester

NGR6941C 4 Primary Care Practicum  
NGR6740 3 Advanced Nursing Practice Role  
SELECT ELECTIVE, PROJECT, OR THESIS

- If selecting a graduate level (5000 or 6000) elective, HSC6505 - Epidemiology is recommended. Other approved prefixes include HSC, HSA, and NGR at 5000 or 6000 level.
- If Project (NGR6970) is completed in 3rd semester, take an elective in 5th semester. If Project is not completed in 3rd semester, register for additional 3 semester hours of Project (NGR6970).
- Students beginning Thesis (NGR6971) in 3rd semester must register for 3 additional semester hours of Thesis (NGR6971) in 5th semester.

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GRADUATE CATALOG 2009-2010

Major: Health Science  
Concentration: Nutrition  
Degree: Master of Science in Health

Core Requirements (6 credits)

HSC6735 3 Health Science Research  
HSC6505 3 Epidemiology/Disease Control

Major Requirements (23 credits)

HUN6612 3 Nutrition Education/Counseling  
HUN6123 3 Socio Infl on Nutrition  
HUN5265 1 Methods of Nutrition Assess  
HUN6285 3 Nutrition and Metabolism I  
HUN6331 3 Nutr and Metabolism II  
DIE6248 3 Clinical Nutrition  
PHC6525 3 Adv Concepts Nutrition/Health  
DIE6127 3 Adv Admin Food/Nutrition  
HSC6934 1 -3 Seminar

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**

Students will complete DIE6940 Clinical Practice Nutr/Diet four times for a total of 12 semester hours.

**THESIS OPTION**

9 semester hours of HSC6970 - Thesis and 3 semester hours of Elective (selected with Program director)

**NON-THESIS OPTION**

12 semester hours of projects, independent study, or field research

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: PC Nurse Practitioner-PT  
Degree: Master of Science of Nursing

1st Semester (6 credits)

Fall semester

NGR5172 3 Pharmacotherapeutics  
NGR5141 3 Advanced Pathophysiology

2nd Semester (6 credits)

Spring semester

NGR5810 3 Research Methods for EBP  
NGR5110 3 Theory Framework for Practice

3rd Semester (3 credits)

Summer semester

SELECT ONE GRADUATE LEVEL ELECTIVE

Students are encouraged to begin Projects (NGR6970) or Thesis (NGR6971) in third semester for 3 semester hours. If selecting a graduate level (5000 or 6000) elective, HSC6505 - Epidemiology is recommended. Other approved prefixes include HSC, HSA, and NGR at the 5000 or 6000 level.

4th Semester (6 credits)

Fall semester

HSA6114 3 Health Organization/Delivery  
NGR5003C 3 Health Assessment/Diagnostics

5th Semester (6 credits)

Spring semester

NGR5601C 3 Advanced Nursing Practice I  
SELECT NURSING PROJECT OR THESIS

- Students who completed 3 semester hours of Projects (NGR 6970) in 3rd semester should not enroll in Projects in 5th semester and must take a 3 semester hour elective.
- Students beginning Thesis (NGR6971) in 3rd semester must register for 3 additional semester hours of Thesis in 5th semester.

## 6th Semester (3 credits)

Summer semester

NGR6602C 3 Advanced Nursing Practice II

## 7th Semester (6 credits)

Fall semester

NGR6603C 6 Advanced Nursing Practice III

## 8th Semester (7 credits)

Spring semester

NGR6941C 4 Primary Care Practicum

NGR6740 3 Advanced Nursing Practice Role

SELECT NURSING THESIS

Students selecting Thesis option must complete a total of 6 semester hours of  
NGR6971 (Nursing Thesis)

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Clinical Nurse Leader: FT  
Degree: Master of Science of Nursing

1st Semester (11 credits)

Fall semester

NGR5141 3 Advanced Pathophysiology  
NGR5172 3 Pharmacotherapeutics  
NGR5770 2 Clinical Leadership I  
HSA5177 3 Health Care Finance

2nd Semester (12 credits)

Spring semester

NGR5110 3 Theory Framework for Practice  
NGR5810 3 Research Methods for EBP  
HSA6198 3 Health Information Technology  
HSA6385 3 Quality Management Health Care

3rd Semester (11 credits)

Fall semester

NGR5003C 3 Health Assessment/Diagnostics  
NGR6970 1 -3 Nursing Project  
NGR6772 2 Clinical Leadership II  
SELECT ONE OF THE FOLLOWING COURSES

- HSC6587 Program Planning Health Promotion/Education
- HSC6716 Health Program Evaluation

4th Semester (9 credits)

Spring semester

NGR6942C 9 Clinical Leadership Residency

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: RN-MSN Bridge  
Degree: Master of Science of Nursing

Prerequisites (31 credits)

Must be completed with a grade of "C" or higher

- SYG2000 3 Introduction to Sociology  
SYG X000 or any Introduction to Sociology may substitute for SYG2000
- PSY2012 3 Introduction to Psychology  
PSY X012 or any General Psychology may be substituted for PSY 2012
- DEP3054 3 Lifespan Developmental Psych  
DEP X004 or any Human Growth and Development across the Life Span may be substituted
- STA2014 3 G(M)Elem Statistics-Health/SS  
STA X014 or any Statistic course maybe be substituted for STA 2014
- HUN2201 3 Basic Prin Human Nutrition  
NURX192 or any Human Nutrition course may be substituted for HUN 2201
- MCB2010C 4 Microbiology  
MCB X010C or any Microbiology with lab may be substituted for MCB 2010C
- BSC2085C 4 Human Anatomy and Physiology I  
BSC X085C or any Human Anatomy and Physiology I or Human Anatomy
- BSC2086C 4 Human Anatomy & Physiology II  
BSC X086C or any Human Anatomy and Physiology II or Human Physiology
- CHM2045C 4 General Chemistry I  
CHM XXXX must be comprehensive College General Chemistry such as CHM X030 or CHM X032) but not lower level principles courses (such as CHM X025)

1st Semester (8 credits)

Summer semester

- NUR3065L 3 Health Assessment
- NUR3619 4 Family/Community Assessment
- NUR3166 1 Nursing Science I

2nd Semester (11 credits)

Fall semester

- NUR3082C 4 Transition Concepts/Practice

NUR3167 2 Nursing Science II  
NUR4826 2 Applied Nursing Ethics  
NGR5141 3 Advanced Pathophysiology

### 3rd Semester (8 credits)

Spring semester

NUR4636C 5 Comm Partnerships/Nur Practice  
NGR5110 3 Theory Framework for Practice

### 4th Semester (3 credits)

Summer semester

ELECTIVE Graduate Level Elective

### 5th Semester (9 credits)

Fall semester

NGR5003C 3 Health Assessment/Diagnostics  
NGR5172 3 Pharmacotherapeutics  
HSA6114 3 Health Organization/Delivery

### 6th Semester (9 credits)

Spring semester

NGR5601C 3 Advanced Nursing Practice I  
NGR5810 3 Research Methods for EBP  
NGR6740 3 Advanced Nursing Practice Role

### 7th Semester (6 credits)

Summer semester

NGR6602C 3 Advanced Nursing Practice II  
NGR6970 1 -3 Nursing Project

### 8th Semester (7 credits)

Fall semester

NGR6603C 6 Advanced Nursing Practice III  
NGR6970 1 -3 Nursing Project  
Take NGR6970 - Nursing project in 8th semester if needed.

### 9th Semester (5 credits)

Spring semester

NGR6941C 4 Primary Care Practicum  
NGR6970 1 -3 Nursing Project  
Take NGR6970 - Nursing Project in 9th semester if needed.

### NCLEX Validation Credit (30 credits)

Thirty hours of Validation Credits are awarded in the student's third semester of enrollment. These 30 hours are awarded based upon validation of previous nursing knowledge through satisfactory completion of NCLEX examination within two years of enrollment. Other methods for awarding of 30 hours of validation credits are available .

NUR3000X

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Clinical Nurse Leader: PT  
Degree: Master of Science of Nursing

1st Semester (6 credits)

Fall semester

NGR5141 3 Advanced Pathophysiology  
NGR5172 3 Pharmacotherapeutics

2nd Semester (6 credits)

Spring semester

NGR5110 3 Theory Framework for Practice  
NGR5810 3 Research Methods for EBP

3rd Semester (2 credits)

Summer semester

NGR5770 2 Clinical Leadership I

4th Semester (6 credits)

Fall semester

NGR5003C 3 Health Assessment/Diagnostics  
HSA5177 3 Health Care Finance

5th Semester (6 credits)

Spring semester

HSA6198 3 Health Information Technology  
HSC6716 3 Health Program Evaluation

6th Semester (3 credits)

Summer semester

NGR6970 1 -3 Nursing Project

7th Semester (5 credits)

Fall semester

NGR6772 2 Clinical Leadership II  
HSA6385 3 Quality Management Health Care

## 8th Semester (9 credits)

Spring semester

NGR6942C 9 Clinical Leadership Residency

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Degree: Doctor of Nursing Practice

Core Requirements (21 credits)

NGR7768 3 Role Devel in ANP  
NGR7871 3 Health Informatics for AP  
NGR6673 3 Prin Epidem for Adv Prac  
NGR7843 3 Stat Interp for Adv Prac  
NGR6892 3 Pub Pol Impl Adv Prac  
NGR7850 3 Evidence Based Practice I  
NGR7851 3 Evidence Based Practice II

Practice Residency (15 credits)

NGR7946 3 -9 Residency in ANP  
NGR7974 1 -6 Doctoral Project

Major Electives (12 credits)

Select a track; Administration or Practice.

ADMIN Track

- NGR6726 - Quality Management for Adv. Nursing Practice
- HSA6435 - Health Economics
- 6 semester hours of electives at the 5000-6000 level with EDG, EDA, NGR, HSA, HSC prefixes in consultation with the Program Director.

PRACTICE Track

- NGR7179 - Adv. Pharmacologic Managemen
- NGR7154 - Advanced Bioscience
- NGR7767 - Practice Management in Adv. Nursing and Healthcare
- 3 semester hours of Elective at the 5000-6000 level with EDG, EDA, NGR, HSA, HSC prefix in consultation with the Program Director.

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GRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Clinical Nurse Spec-FT  
Degree: Master of Science of Nursing

1st Semester (9 credits)

Fall semester

NGR5141 3 Advanced Pathophysiology  
NGR5172 3 Pharmacotherapeutics  
NGR5003C 3 Health Assessment/Diagnostics

2nd Semester (9 credits)

Spring semester

NGR5810 3 Research Methods for EBP  
NGR5110 3 Theory Framework for Practice  
NGR5780C 3 Clinical Nurse Specialist I

3rd Semester (6 credits)

Summer semester

Students are encouraged to begin Projects (NGR6970) or Thesis (NGR6971) in Third semester for 3 semester hours.

NGR6637C 3 Clinical Nurse Specialist II  
SELECT ONE OF THE FOLLOWING COURSES

- EDA6302 - Lifelong Learning and Professional Development
- EDG6626 - Curriculum and Instruction Adult Learning

4th Semester (9 credits)

Fall semester

NUR6711C Clinical Nurse Specialist III  
SELECT ONE OF THE FOLLOWING COURSES:

- EDA6302 Lifelong Learning and Professional Development
- EDG6626 Curriculum and Instruction Adult Learning

SELECT ONE ELECTIVE or THESIS

- Students completing 3 semester hours of Projects (NGR6970) in Third semester should take a Graduate Level (5000 or 6000) elective in Fourth semester. HSC6505 - Epidemiology is recommended. Other



approved prefixes include HSC, HSA, and NGR at the 5000 or 6000 level. Elective must be approved by program director.

- Students completing 3 semester hours of Thesis (NGR6971) in Third semester must take 3 additional semester hours of Thesis in Fourth semester.

## 5th Semester (10 credits)

Spring semester

NGR6740 3 Advanced Nursing Practice Role  
NGR6940C 4 Clinical Nurse Spec Practicum  
SELECT NURSING PROJECT OR THESIS

- NGR6970 Nursing Project
- NGR6971 Nursing Thesis - if Thesis is not completed by Fifth semester.

Permalink:



GRADUATE CATALOG 2009-2010

## Major: Physical Therapy

### Degree: Doctor of Physical Therapy

#### Prerequisites

The requirements listed below are prerequisites for the Doctor of Physical Therapy (DPT). The course numbers listed under each requirement are course numbers from the University of North Florida. Any substitutions to these requirements are made at the time of evaluation for admission into the DPT.

8 semester hours of General Chemistry I and II

- CHM 2045/2045L General Chemistry I with Lab
  - CHM 2046/2046L General Chemistry II with Lab
  - 8 semester hours of Algebra-Based Physics
  - PHY 2053/2053L Algebra-based Physics I with Lab
  - PHY 2054/2054L Algebra-based Physics II with Lab
  - 3 semester hours of Introduction to Psychology
  - PSY 2012 Introduction to Psychology
  - 3 semester hours of Human Growth or Lifespan Development
  - DEP 3054 Lifespan Development
  - 3 semester hours of Elementary Statistics
  - STA 2014 Element Statistics Health & Social Science
  - AND
  - 8 semester hours of Anatomy and Physiology I and II and 4 semester hours of General Biology I
  - BSC 2085C Anatomy and Physiology I with Lab
  - BSC 2086C Anatomy and Physiology II with Lab
  - BSC 1010C General Biology I with Lab
  - OR
  - 8 semester hours of General Biology I and II with Lab and minimum of 3 semester hours of Human Physiology
  - BSC 1010C General Biology I with Lab
  - BSC 1011C General Biology II with Lab
  - PCB XXX Human Physiology
  - 3 semester hours of Medical Terminology (recommended but not required for admission at this time)
  - HSC 3537 Medical Terminology
- A basic computer literacy/applications course is also recommended

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#### 1st Semester (14 credits)

PHT6110C 6 Gross Anatomy for PT  
 PHT5005 2 Professional Practice Issues  
 PHT5257C 3 Clinical Skills

## 2nd Semester (15 credits)

PHT6153C 3 Human Physiology  
PHT6267C 4 Examination and Intervention  
PHT6161C 4 Neurosci I: Clin Neuroanat/Phy  
PHT5806 1 Clinical Practicum  
PHT6606C 3 Clinical Inquiry I

## 3rd Semester (10 credits)

PHT6218C 3 Theraputic Modalities  
PHT6354C 2 Pharmacology  
PHT6809 1 Clinical Education Prep I  
PHT6819C 4 Clinical Internship I

## 4th Semester (14 credits)

PHT6318C 4 Ortho I: Extremities  
PHT6303C 2 Applied Pathophysiology  
PHT6191C 3 Neurosci II: Mtr Ctrl and Lrn  
PHT6314C 4 Neurology I: Path, Exam and Int  
PHT6734 1 PT Mngmt of the Integument

## 5th Semester (15 credits)

PHT7385C 4 Exercise Physio Cardio PT  
PHT7183C 5 Ortho II: Spine and Occ Health  
PHT7315C 4 Neurology II: Adv Exam and Inte  
PHT6607C 2 Clinical Inquiry II

## 6th Semester (8 credits)

PHT6823C 4 Clinical Internship II  
PHT6824C 4 Clinical Internship III

## 7th Semester (16 credits)

PHT7551 3 Leadership in Physical Therapy  
PHT7009C 3 Differential Diagnosis  
PHT7741C 3 Spinal Cord Inj and Prosthetic  
PHT7141C 4 Lifespan Geriatrics/Pediatrics  
PHT7617C 2 Clinical Inquiry III  
PHT7937 1 -5 Special Topics in PT

## 8th Semester (10 credits)

PHT7825C 5 Clinical Internship IV  
PHT7826C 5 Clinical Internship V

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GRADUATE CATALOG 2009-2010

Major: Aging Services Certificate  
Degree: Post-Baccalaureate Certificate

Certificate Requirements (15 credits)

HSA6225 3 Long-Term Care Administration  
HSA6560 Aging/Health Multicultural Soc  
GEY6623 3 Aging and Health Policy  
HSC6737 3 Applied Research in Aging  
HSA6813 3 -6 Aging Capstone

Permalink:



GRADUATE CATALOG 2009-2010

Major: Post-Masters FNP Certificate  
Degree: Post-Masters Certificate

#### Certificate Requirements (28 credits)

NGR5003C 3 Health Assessment/Diagnostics  
NGR5192 3 Pharmacotherapeutics  
NGR5141 3 Advanced Pathophysiology  
NGR5601C 3 Advanced Nursing Practice I  
NGR6602C 3 Advanced Nursing Practice II  
NGR6603C 6 Advanced Nursing Practice III  
NGR6941C 4 Primary Care Practicum  
NGR6740 3 Advanced Nursing Practice Role

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GRADUATE CATALOG 2009-2010

Major: Accounting  
Concentration: Taxation Concentration  
Degree: Master of Accountancy

Prerequisites (27 credits)

(non-business majors) 27 hours of business subjects are required with a grade of C or better. Students who have completed their bachelor's degree in business will normally have completed these courses. All prerequisites must be completed before enrolling in 6000-level coursework.

ACG2021 3 Prin of Financial Accounting  
(or substitute both ACG2001 & ACG2011 for ACG2021)

ACG2071 3 Prin Managerial Accounting  
BUL3130 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
(or substitute both ECO2013 & ECO2023 for ECO5115)

FIN5405 3 Essentials of Managerial Finan  
(or substitute both ACG2021 & FIN3403 for FIN5405)

MAN3025 3 Administrative Management  
MAN4720 3 Strategic Mgmt Business Policy  
You must apply on-line at [unf.edu/coggin](http://unf.edu/coggin) in order to get permission to register for this course.

MAR3023 3 Principles of Marketing  
STA2023 3 G(M) Elem Statistics-Business

Foundation (21 credits)

(non-accounting majors) 21 hours in accounting are required with a grade of "C" or better.

ACG3103 3 Intermediate Accounting I  
ACG3113 3 Intermediate Accounting II  
ACG3123 3 Intermediate Accounting III  
ACG4361 3 Cost Accounting  
ACG4401 3 Accounting Information Systems  
ACG4651 3 Auditing  
TAX3001 3 Federal Income Tax

Major Requirements (33 credits)

This program requires 33 hours of 6000-level courses. A minimum of 24 hours must be earned at UNF. Students seeking a second masters degree must complete at least 24 semester hours of new coursework at UNF. A 3.00 GPA is required.



### Core requirements-Tax

24 credit hours are required. Most ACG and TAX courses are offered only once per year.

ACG6309 3 Advanced Man Accounting Theory

ACG6405 3 Advanced Account Info Systems

ACG6645 3 Auditing Theory

ACG6805 3 Advanced Accounting Theory

ECO6415 3 Making Decisions with Data

FIN6406 3 Advanced Financial Management

TAX6045 3 Tax Research and Writing

TAX6105 3 Taxation in Business Corp

### Major electives-Tax

SELECT Three TAX courses

6000 level. Excluding TAX6726, TAX6045, or TAX6105. (Tax courses are normally offered only once per year)

Permalink:



GRADUATE CATALOG 2009-2010

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 (18 credits)

Cologne University of Applied Sciences - Cologne, Germany

ACG6305X International Mgmt Accounting  
ECO6101X Business Strategy/Game Theory  
ECP6705X Global Economic/Thesis Seminar  
MAN6101X Intercultural Communication  
MAN6102X Applied Intercultural Communic  
MAN6111X Business Environment

Semester in Poland (21 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  
MAR6158X International Marketing

Semester in China (9 credits)

Dongbei University of Finance and Economics - Dalian, China

FIN6605X International Finance  
MAN6302X Applied Intercultural Communic  
MAN6311X Business Environment

Semester at UNF (15 credits)

University of North Florida - Jacksonville, Florida

ECO6415 3 Making Decisions with Data  
MAN6501 3 Modeling/Management Operations  
MAN6656 3 Bus Environment US  
MAN6666 3 App Intcltrl Comm US  
MAN6726 3 Advanced Strategic Management

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GRADUATE CATALOG 2009-2010

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 3 Prin of Financial Accounting  
(or substitute both ACG2001 & ACG2011 for ACG2021)

ACG2071 3 Prin Managerial Accounting  
BUL3130 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
(or substitute both ECO2013 & ECO2023 for ECO5115)

FIN5405 3 Essentials of Managerial Finan  
(or substitute both ACG2021 & FIN3403 for FIN5405)

MAN3025 3 Administrative Management  
MAN4720 3 Strategic Mgmt Business Policy  
You must apply on-line at [unf.edu/coggin](http://unf.edu/coggin) in order to get permission to register for this course.

MAR3023 3 Principles of Marketing  
STA2023 3 G(M) Elem Statistics-Business

Foundation (21 credits)

(non-accounting majors) 21 hours in accounting are required with a grade of "C" or better.

ACG3103 3 Intermediate Accounting I  
ACG3113 3 Intermediate Accounting II  
ACG3123 3 Intermediate Accounting III  
ACG4361 3 Cost Accounting  
ACG4401 3 Accounting Information Systems  
ACG4651 3 Auditing  
TAX3001 3 Federal Income Tax

Major Requirements (33 credits)

This program requires 33 hours of 6000-level courses. A minimum of 24 hours must be earned at UNF. Students seeking a second masters degree must complete at least 24 semester hours of new coursework at UNF. A 3.00 GPA is required.

### Core Requirement-MACC

21 semester hours are required. Most ACG and TAX courses are only offered once a year.

ACG6309 3 Advanced Man Accounting Theory

ACG6405 3 Advanced Account Info Systems

ACG6645 3 Auditing Theory

ACG6805 3 Advanced Accounting Theory

ECO6415 3 Making Decisions with Data

FIN6406 3 Advanced Financial Management

TAX6105 3 Taxation in Business Corp

### 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

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GRADUATE CATALOG 2009-2010

Major: General Business  
Concentration: HRM Concentration  
Degree: Master of Business Admin.

Prerequisites (12 credits)

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

Human Resource Management (9 credits)

Students must make a "B" or better in all concentration classes.

MAN6305 3 Human Resource Management



MAN6315 3 Advanced Human Resource Mgmt  
MAN6411 3 Labor Relatns/Collect Bargain

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

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, ACG6645,  
and one 6000 level - ACG or TAX. EXCLUDING TAX6726 and ACG6305.

SELECT option 2

**\*\*if student has an undergraduate degree OTHER THAN  
accounting\*\***ACG6805, TAX6105, AND ACG6645.

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes.

CHOOSE Two of the following

MAN6606, MAN6931, FIN6605, MAR6157, MAR6158

SELECT One of the following

BUL6850, ECO6705, MAN6067, TRA6725, GEO6506, TAX6505, ACG6957

ECO6959, FIN6958, GEB6959, MAN6959, MAR6958, TRA6959

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes. Each course is only offered once a year.

BCN6595 3 Environmental Issue Land/Const  
BCN6728 3 Constr Planning/Scheduling  
BCN6748 3 Construction Law

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

Concentration Requirements (9 credits)

Students must make a "B" or better in all concentration classes.

MAN6559 3 Quantitative Mgmt Analysis

(MAN6559 was formerly QMB6603)

TRA6157 3 E-Supply Chain Management  
(Normally offered spring)

TRA6216 3 Strategic Logistics Management  
(Normally offered Fall)

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

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 3 E-Business Strategy

SELECT two of the following

MAR6726, TRA6157, MAN6875, MAN6026, MAN6959, MAR6959 - if a study abroad course is chosen, it must have a substantial E-Commerce orientation. Requires pre-approval.

### Electives (9 credits)

MBA students may use a maximum of ONE 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

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

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 (normally offered Spring only) or TRA6216 (normally offered Fall only) And any MAN at the 6000 level (that is not part of the core)

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

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

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GRADUATE CATALOG 2009-2010

Major: General Business  
Degree: Master of Business Admin.

Prerequisites (12 credits)

Students must complete program prerequisites before enrolling in 6000-level coursework.

BUL3130 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

Electives (9 credits)

MBA students may use a maximum of ONE 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

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GRADUATE CATALOG 2009-2010

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 3 Legal Environment of Business  
ECO5115 3 Introduction Economic Analysis  
FIN5405 3 Essentials of Managerial Finan  
MAN5036 3 Fundamental Mgmt/Marketing

Group 1 (12 credits)

All four courses in Group 1 are required. \*\*Accounting majors MUST substitute ACG6306 for ACG6305\*\*

ACG6305 3 Management Accounting  
ECO6415 3 Making Decisions with Data  
ECP6705 3 Economics of Business Decision  
MAN6204 3 Organizational Theory

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 3 Advanced Financial Management  
ISM6021 3 Mgmt Information Technology  
MAR6805 3 Marketing Strategy

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 3 Modeling/Management Operations  
MAN6726 3 Advanced Strategic Management

Concentration Requirements (9 credits)

Student must make a "B" or better in all concentration classes.

SELECT two courses

from: FIN6314, FIN6516, FIN6605, FIN6906, FIN6936, FIN6565, REE6146,  
REE6906, FIN6957

SELECT one course 6000-LEVEL

ACG/BUL/ECO/ECP/FIN/GEB/ISM/ MAN/QMB/MAR/REE/TAX/TRA

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GRADUATE CATALOG 2009-2010

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 3 Project Management  
(normally offered in spring or summer)

MAN6785 3 E-Business Strategy  
(normally offered in fall)

MAN6875 3 Entrepreneur/Venture Capital  
MAR6726 3 Marketing on Internet: Strateg  
(normally offered in spring)

TRA6157 3 E-Supply Chain Management

Permalink:



GRADUATE CATALOG 2009-2010

Major: International Business Cert  
Degree: Post-Baccalaureate Certificate

### Certificate Requirements (15 credits)

In order to receive the certificate in International Business, students must have an average GPA in Certificate courses of 3.0 or better and no grade below a "C".

FIN6605 3 International Finance

MAN6606 3 Cultural Environ/Global Bus

MAN6635 3 Managing Multinational Corps

MAR6157 3 Import-Export Marketing

SELECT One-3 credit course from below

BUL6850, ECO6705, GEO6506, MAN6067, TRA6725, TAX6505, ECO6957,  
ACG6957, FIN6957, GEB6957, MAN6957, MAR6957, TAX6957, or TRA6957

Permalink:





UNF CATALOG 2009-2010

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 5XXXC Advanced Marine Botany
- BSC 5099C Advanced Physiology
- BSC 5905 Directed Independent Study: Biology
- BSC 5936 ST: Biology
- BSC 5XXX Advanced Biological Pharmacology
- BSC 5XXX Biology Seminar
- BSC 6931 Advanced Readings in Biology
- BSC 6971 Graduate Thesis Defense
- BSC 6972 Graduate Thesis Research
- MCB 5XXXC Advanced Molecular Biology Techniques
- MCB 6XXX Integrative Microscopy
- PCB 5235 Cellular Immunology
- PCB 5314C Marine Ecology
- PCB 5525 Molecular Genetics
- PCB 5675 Advanced Evolution
- PCB 5845 Cellular & Molecular Neuroscience
- PCB 6XXX 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 6XXXC Freshwater Ecology
- ZOO 5235C Advanced Parasitology
- ZOO 5455C Advanced Ichthyology
- ZOO 5463C Advanced Herpetology
- ZOO 5717C Canine Anatomy
- ZOO 5754C Advanced Histology
- ZOO 5XXXC Advanced Coastal Invertebrate Biology

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GRADUATE CATALOG 2009-2010

Major: History  
Concentration: US History with Thesis  
Degree: Master of Arts

Prerequisites (3 credits)

HIS3051 3 G(W) Craft Of The Historian

Major Requirements (30 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.

Students who have not finished the thesis 2 years after completion of course work will be required to transfer to the non-thesis option and will have the third year for the additional course work and comprehensive exam.

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 2 Amer Hist Res Sems (6 hrs)

- 6000 Level
- AMH
- HIS with permission of Graduate Program Director

SELECT 1 Hist Reserch Sem (3 hrs)

- 6000 Level

- EUH/AMH/LAH/ASH/AFH/HIS

SELECT 4 History Courses (12 hrs)

- 5000/6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

HIS6971 1 -6 Thesis Research

At least 6 hours and no more than 15 hours required in HIS 6971. Continual enrollment (summer exempted) required.

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GRADUATE CATALOG 2009-2010

Major: Biology  
Degree: Master of Science

Prerequisites (37 credits)

Grades of "B" or above required in all courses.

CHM2210 3 Organic Chemistry I  
CHM2210L 1 Organic Chemistry I Laboratory  
CHM2211 3 Organic Chemistry II  
CHM2211L 1 Organic Chemistry II Lab  
PCB3043C 4 Principles of Ecology  
PCB3063C 4 Genetics  
MAC2241 4 G(M)Calculus for Biology  
STA2014 3 G(M)Elem Statistics-Health/SS  
SELECT 10 HRS OF BIOLOGY ELECTIVES

- BCH BOT BSC MCB PCB ZOO

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 5XXXC Advanced Marine Botany
- BCH 6876C Membrane Biology
- BSC 5099C Advanced Physiology
- BSC 5905 Directed Independent Study: Biology
- BSC 5936 ST: Biology
- BSC 5XXX Advanced Biological Pharmacology
- BSC 5XXX Biology Seminar
- BSC 6098C Environmental Physiology
- BSC 6931 Advanced Readings in Biology
- BSC 6971 Graduate Thesis Defense
- BSC 6972 Graduate Thesis Research
- MCB 5XXXC Advanced Molecular Biology Techniques
- MCB 6XXXC Integrative Microscopy
- PCB 5235 Cellular Immunology
- PCB 5314C Marine Ecology
- PCB 5525 Molecular Genetics
- PCB 5675 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 6XXX Quantitative Ecology
- PCB 6XXXC Freshwater Ecology
- ZOO 5235C Advanced Parasitology
- ZOO 5455C Advanced Ichthyology
- ZOO 5463C Advanced Herpetology
- ZOO 5717C Canine Anatomy
- ZOO 5754C Advanced Histology
- ZOO 5XXX Advanced Coastal Invertebrate Biology

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GRADUATE CATALOG 2009-2010

Major: Mathematical Science  
Concentration: Mathematics  
Degree: Master of Science

Prerequisites (33 credits)

MAC2311 4 G(M) Calculus I  
MAC2312 4 G(M) Calculus II  
MAC2313 4 G(M) Calculus III  
MAS3105 4 G(M) Linear Algebra  
MAA4211 4 G(M) Advanced Calculus I  
MAA4212 3 G(M) Advanced Calculus II  
MAP2302 3 G(M) Ordinary Differ Equations  
STA4321 4 G(M) Probability and Statistics  
COP2220 3 Computer Science I

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.

MAS6107 3 Advanced Linear Algebra  
STA6446 3 Probability  
STA6166 3 Statistical Methods I  
STA6326 3 Mathematical Statistics I  
MAD6405 3 Numerical Analysis  
MAP6385 3 Scientific Computing

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 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

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## GRADUATE CATALOG 2009-2010

## Major: Counseling Psychology

### Degree: MA in Counseling Psychology

#### Prerequisites (10 credits)

##### SELECT 1 RESEARCH METHOD/EXPERIMENTAL

- PSY 3214 Psychology Research Methods
- PSY 3213L Research Methods Lab
- PSY 4302C Psychological Testing
- EXP 3680C Experimental Cognitive Psychology
- SOP 3214C Experimental Social Psychology
- EAB 3013C Experimental Analysis Behavior/Lab
- EXP 3703C Computer Applications in Psychological Research

##### SELECT 1 FROM THE FOLLOWING:

- CLP 4143 Psychology of Abnormal Behavior
- PPE 4003 Personality Theories

##### SELECT 1 4000 LEVEL PSYCH ELECTIVE

- CLP EAB EXP DEP INP PCO PPE PSY SOP

#### Major Requirements (57 credits)

Grades of B or above are required in all courses.

A minimum of 60 semester hours are required for the degree (in addition to any necessary prerequisites).

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.

- PCO6317C 4 Individual Evaluation/Assess
- PSY6216 3 Research/Program Evaluation
- CLP6166 3 Psychopathology
- PCO6406C 3 Counseling Theory and Practice
- PCO6407C 4 Group Theories
- PCO6408C 3 Found Mental Health Counseling
- CLP6459 3 Principles of Sex Therapy
- DEP6055 3 Human Development
- PCO6943 1 -9 Internship
- PCO6945 3 Practicum
- PCO6051 3 Counseling Community Settings
- PCO6869 3 Ethical/Legal Issues
- PCO6311 3 Psy Substance Abuse/Addiction

PCO6939 3 Counseling Seminar  
PCO6939 Sem: Marriage & Family Therapy  
PCO6271 3 Social/Cultural Foundations  
PCO6531 3 Career/Lifestyle Assessment

## Major Electives

All students must apply for graduation during registration for the last semester of courses at UNF. Deadlines are published online.

SELECT 3 OR 4 HOURS

- PPE 6466 Advanced Personality Theories
  - SOP 6069 Advanced Social Psychology
  - PSY 6910 Supervised Research
  - CLP 6441C Individual Intelligence Testing
  - CLP 6445C Individual Personal Testing
  - PSY 6931 Special Topics
- Or

SELECT 6 HOURS

- PSY 6971 Thesis A
- PSY 6971 Thesis A

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GRADUATE CATALOG 2009-2010

Major: Mathematical Science  
Concentration: Statistics  
Degree: Master of Science

Prerequisites (31 credits)

MAC2311 4 G(M) Calculus I  
MAC2312 4 G(M) Calculus II  
MAC2313 4 G(M) Calculus III  
MAS3105 4 G(M) Linear Algebra  
MAA4211 4 G(M) Advanced Calculus I  
STA3163 4 G(M) Statistical Methods I  
STA4321 4 G(M) Probability and Statistics  
COP2220 3 Computer Science I  
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.

MAS6107 3 Advanced Linear Algebra  
STA6446 3 Probability  
STA6166 3 Statistical Methods I  
STA6326 3 Mathematical Statistics I  
MAD6405 3 Numerical Analysis  
STA6106 3 Computer-Intensive in Stats

Major Electives (14 credits)

Select one concentration (in consultation with the graduate advisor). May include no more than 6 semester hours of thesis.

SELECT 14 HOURS FROM THE FOLLOWING:

- MAP 6605 Topics in Financial Mathematics
- 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 6908 Directed Individual Study
- STA 6932 ST: Statistics

- STA 6938 Seminar in Statistics
- STA 6940 Statistical Consulting
- STA 6971 Thesis

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GRADUATE CATALOG 2009-2010

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 3 Criminological Theory  
SELECT 1 FROM THE FOLLOWING\*:

- SYA 3300 Logic of Inquiry
- STA 2014 Elementary Statistics for Health and Social Sciences

\* Taking both is strongly recommended.

Corequisites (3 credits)

CJL5120 3 Crim Law In Crim Just Systems

Major Requirements (18 credits)

CCJ6059 3 Advanced Criminological Theory  
CCJ6209 Law, Deviance, & Soc. Control  
CCJ6705 3 Adv Methds Criminological Rsch  
CCJ6706 3 Quantitative Research Methods  
CCJ6709 3 Qualitative Research Methods  
CCJ6053 3 Criminal Justice Systems

Major Electives (12 credits)

SELECT 4 FROM THE FOLLOWING:

- CCJ 5692 Women & Crime
- CJE 6268 Minorities & Crime
- CCJ 5646 Organized Crime
- CCJ 5743 Graduate Supervised Research Experience in Criminal Justice
- CCJ 5684 Family Violence
- 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
- CJC 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
- SYP 6668 Analysis of Subcultural Perspectives

### 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

Requires written comprehensive exam and two additional graduate courses by special exception and permission of graduate coordinator only.

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GRADUATE CATALOG 2009-2010

## Major: Practical Phi & Applied Ethics

### Degree: Master of Arts

#### Prerequisites

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 (18 credits)

Grades of B or above are required in all graduate courses.

PHI6937 3 Proseminar I: Pract Philosophy

PHI6938 3 Proseminar II: Applied Ethics

PHI5605 3 Ethics

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 6907 Directed Independent Study
- PHM 5056 Death and Dying

SELECT 1 PRACTICAL 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 6405 Philosophy of Science
- PHI 6425 Philosophy of the Social Sciences
- PHI 6458 Philosophy of Psychiatry
- PHI 6907 Directed Independent Study
- PHP 5794 Pragmatism

SELECT 1 ELECTIVE COURSE

- PHI PHH PHM PHP

## Capstone Experience (15 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.

SELECT INTERNSHIP OR THESIS

Option 1: 6 hours of internship plus 9 hours in specialized graduate courses.

- PHI 6942 Internship in Applied Ethics
- PHI 6942 Internship in Applied Ethics
- PHI

Option 2: 9 hours of thesis research/writing plus 6 hours in specialized graduate courses.

- PHI 6971 Thesis  
Selected specialized graduate courses
- PHI 6936 Advanced Selected Topics
- PHI 5934 Selected Topics  
Topics may include, but are not limited to, themes in ancient ethics, contemporary ethical theory, educational ethics, intercultural philosophy, theories of rationality, philosophy of psychiatry, philosophy of culture, philosophy of globalization, mental health ethics, and issues in biomedical or business ethics.

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GRADUATE CATALOG 2009-2010

Major: English  
Concentration: Composition and Rhetoric  
Degree: Master of Arts

Prerequisites (21 credits)

Courses must have sufficiently high grades.

LIN3010 3 Principles of Linguistics  
SELECT 18 HRS (3000/4000) FROM:

- AML / ENL / CRW / LIT / ENG

Major Requirements (6 credits)

A minimum of 34 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 3 Major Authors  
SELECT 1 FROM THE FOLLOWING:

- ENG 6018 History of Literary Criticism & Theory
- ENG 6019 Contemporary Literary Criticism & Theory

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

ENC6333 The Subject of Composition  
ENC6706 3 Gram/Rhet of Sent and Para  
ENC6720 3 Problems in Comp  
ENC6942 3 Teach Prac:Writing Classroom  
SELECT 1 FROM THE FOLLOWING:

- AML 6455 Studies in American Literature
- CRW 6025 ST: Creative Writing

- CRW 6130 Fiction Workshop
- CRW 6331 Poetry Workshop
- ENG 6138 Studies in Film
- ENL 6455 Studies in British Literature
- LIT 5934 Topics in Literature
- LIT 6017 Studies in Fiction
- LIT 6037 Studies in Poetry
- LIT 6047 Studies in Drama
- LIT 6654 Comparative & World Literature
- LIT 6905 Directed Independent Study
- LIT 6934 ST: Literature
- LIT 6941 Practicum: Teaching Literature

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## GRADUATE CATALOG 2009-2010

Major: Public Administration  
Concentration: General Administration  
Degree: Master of Public Admin.

### Prerequisites (3 credits)

One undergraduate course in American Government or American Political System.

POS2041 3 Intro to American Government

### Core Requirements (27 credits)

Each student is required to defend a research paper written in conjunction with the two course capstone sequence, PAD 6706 & PAD 6066.

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, and PUP 6007. PAD 6706 is a prerequisite for PAD 6066.

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 6060. They must take the remainder of the MPA core but are further required to take only 3 electives, for a total of 33 hours of graduate course work.

Grades of B or above are required in at least 8 of the 9 required core courses in order to graduate in the program.

If a student does not complete the capstone project by the end of the term in which they took PAD 6066, then the student must register for PAD 6900 Directed Independent Study for one credit hour with their capstone committee chair each semester (summer sessions excepted) until the project is complete.

PAD5700 3 Public Admin Research Methods

PAD6706 3 Research Design

PAD6060 3 Public Admin in Modern Society

PAD6066 3 Capstone Seminar

Prereq: requires permission of MPA director

PAD6106 3 Admin Behavior in Public Org

PAD6227 3 Government Budget and Finance

PAD6417 3 Human Res in Public/NP Mgmt

PAD6436 3 Ethics for Administrators

SELECT 1 FROM THE FOLLOWING:

- PUP 6006 Program Evaluation for Public & Nonprofit Management
- PUP 6007 Policy Analysis

### Major Electives (15 credits)

Select 5 general administration courses approved by the MPA director. These will normally be departmental courses but in special circumstances, graduate courses in

other university programs may be acceptable.

-or-

If a student is designated as a pre-professional student, an internship may be required.

The internship course will count as one of the five required elective courses.

Designation will be made by the MPA director, in consultation with the MPA steering committee.

Students may select courses in graduate programs other than the MPA program with the approval of the MPA director.

MPA students must meet the minimum graduation requirements for master's degree students at the university.

All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

SELECT 5 FROM THE FOLLOWING:

- INR 6079 Terrorism & Public Safety
- PAD 5385 Public Policy Formation & Implementation
- 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

Permalink:



GRADUATE CATALOG 2009-2010

Major: English  
Degree: Master of Arts

Prerequisites (21 credits)

Courses must have sufficiently high grades.

LIN3010 3 Principles of Linguistics  
SELECT 18 HRS (3000/4000) FROM:

- AML / ENL / CRW / LIT / ENG

Major Requirements (6 credits)

A minimum of 34 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 3 Major Authors  
SELECT 1 FROM THE FOLLOWING:

- ENG 6018 History of Literary Criticism & Theory
- ENG 6019 Contemporary Literary Criticism & Theory

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 5 FROM THE FOLLOWING:

- AML 6455 Studies in American Literature
- CRW 6025 ST: Creative Writing
- CRW 6130 Fiction Workshop
- CRW 6331 Poetry Workshop
- ENC 6700 Theory of Composition
- ENG 6138 Studies in Film
- ENG 6941 DIS: Practicum: Teaching Composition
- ENL 6455 Studies in British Literature



- LIT 5934 Topics in Literature
- LIT 6017 Studies in Fiction
- LIT 6037 Studies in Poetry
- LIT 6047 Studies in Drama
- LIT 6654 Comparative & World Literature
- LIT 6905 Directed Independent Study
- LIT 6934 ST: Literature
- LIT 6941 Practicum: Teaching Literature

Permalink:



## GRADUATE CATALOG 2009-2010

Major: Public Administration  
Concentration: Health Administration  
Degree: Master of Public Admin.

### Prerequisites (3 credits)

One undergraduate course in American Government or American Political System.

POS2041 3 Intro to American Government

### Core Requirements (27 credits)

Each student is required to defend a research paper written in conjunction with the two course capstone sequence, PAD 6706 & PAD 6066.

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, and PUP 6007. PAD 6706 is a prerequisite for PAD 6066.

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 6060. They must take the remainder of the MPA core but are further required to take only 3 electives, for a total of 33 hours of graduate course work.

Grades of B or above are required in at least 8 of the 9 required core courses in order to graduate in the program.

If a student does not complete the capstone project by the end of the term in which they took PAD 6066, then the student must register for PAD 6900 Directed Independent Study for one credit hour with their capstone committee chair each semester (summer sessions excepted) until the project is complete.

PAD5700 3 Public Admin Research Methods

PAD6706 3 Research Design

PAD6060 3 Public Admin in Modern Society

PAD6066 3 Capstone Seminar

Prereq: requires permission of MPA director

PAD6106 3 Admin Behavior in Public Org

PAD6227 3 Government Budget and Finance

PAD6417 3 Human Res in Public/NP Mgmt

PAD6436 3 Ethics for Administrators

SELECT 1 FROM THE FOLLOWING:

- PUP 6006 Program Evaluation for Public & Nonprofit Management
- PUP 6007 Policy Analysis

### Major Requirements (15 credits)

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.

MPA students must meet the minimum graduation requirements for masters degree students at the university.

All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

SELECT 4 FROM THE FOLLOWING:

- HSA 5177 Health Care Finance
- HSA 6116 Health Organization & Delivery
- HSA 6126 Managed Health Care
- HSA 6435 Health Economics
- HSA 6758 Quality Management in Health Care
- HSA 6905 Health Policy

SELECT 1 FROM THE FOLLOWING:

Select 1 general administration courses approved by the MPA director. These will normally be departmental courses but in special circumstances, graduate courses in other university programs may be acceptable.

-or-

If a student is designated as a pre-professional student, an internship may be required. The internship course will count as one of the five required elective courses. Designation will be made by the MPA director, in consultation with the MPA steering committee.

- INR 6079 Terrorism & Public Safety
- PAD 5385 Public Policy Formation & Implementation
- 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

Permalink:



GRADUATE CATALOG 2009-2010

## 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 37 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 3 Human Development
- EXP6506 3 Learning and Cognition
- PPE6466 3 Advanced Personality Theories
- PSY6217 4 Research Design and Analysis
- SOP6069 3 Advanced Social Psychology

PSY6910 3 Supervised Research  
Take Twice

PSY6937 1 Collqum in Psychological Rsrch  
Take Twice

PSY6971 3 Thesis A

PSY6972 1 -6 Thesis B

STA5126 3 Stat Methods/Social Sciences

PSY6932 3 St:Psychological Sci Seminar

PSB6031 3 Advanced Biopsychology

Permalink:



GRADUATE CATALOG 2009-2010

Major: Public Administration  
Concentration: Local Government Policy & Adm  
Degree: Master of Public Admin.

Prerequisites (3 credits)

One undergraduate course in American Government or American Political System.

POS2041 3 Intro to American Government

Core Requirements (27 credits)

Each student is required to defend a research paper written in conjunction with the two course capstone sequence, PAD 6706 & PAD 6066.

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, and PUP 6007. PAD 6706 is a prerequisite for PAD 6066.

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 6060. They must take the remainder of the MPA core but are further required to take only 3 electives, for a total of 33 hours of graduate course work.

Grades of B or above are required in at least 8 of the 9 required core courses in order to graduate in the program.

If a student does not complete the capstone project by the end of the term in which they took PAD 6066, then the student must register for PAD 6900 Directed Independent Study for one credit hour with their capstone committee chair each semester (summer sessions excepted) until the project is complete.

PAD5700 3 Public Admin Research Methods

PAD6706 3 Research Design

PAD6060 3 Public Admin in Modern Society

PAD6066 3 Capstone Seminar

Prereq: requires permission of MPA director

PAD6106 3 Admin Behavior in Public Org

PAD6227 3 Government Budget and Finance

PAD6417 3 Human Res in Public/NP Mgmt

PAD6436 3 Ethics for Administrators

SELECT 1 FROM THE FOLLOWING:

- PUP 6006 Program Evaluation for Public & Nonprofit Management
- PUP 6007 Policy Analysis

Major Requirements (15 credits)

Students may also select as electives any course in an area of concentration other than their own with the approval of the MPA director and MPA steering committee.

MPA students must meet the minimum graduation requirements for masters degree students at the university.

All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

SELECT 4 FROM THE FOLLOWING:

- PAD 5385 Public Policy Formation & Implementation
- PAD 6207 Municipal Finance Administration
- PAD 6807 Urban Administration
- POS 6095 Intergovernmental Relations
- URP 6058 Urban & Regional Planning

SELECT 1 FROM THE FOLLOWING:

Select 1 general administration courses approved by the MPA director. These will normally be departmental courses but in special circumstances, graduate courses in other university programs may be acceptable.

-or-

If a student is designated as a pre-professional student, an internship may be required. The internship course will count as one of the five required elective courses. Designation will be made by the MPA director, in consultation with the MPA steering committee.

- INR 6079 Terrorism & Public Safety
- PAD 5385 Public Policy Formation & Implementation
- 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

Permalink:





## GRADUATE CATALOG 2009-2010

Major: History  
Concentration: European History (Non-Thesis)  
Degree: Master of Arts

## Prerequisites (3 credits)

HIS3051 3 G(W) Craft Of The Historian

## 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 2 Euro Hist Res Sems (6 hrs)

- 6000 level
- EUH
- HIS with permission of Graduate Program Director

## SELECT 1 Hist Research Sem (3 hrs)

- 6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

## SELECT 2 History Courses (6 hrs)

- 6000 level
- 
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT 4 History Courses (12 hrs)

- 5000/6000 level
- 
- EUH/AMH/LAH/ASH/AFH/HIS

Permalink:



## GRADUATE CATALOG 2009-2010

Major: Public Administration  
Concentration: National Security  
Degree: Master of Public Admin.

### Core Requirements (27 credits)

Each student is required to defend a research paper written in conjunction with the two course capstone sequence, PAD 6706 & PAD 6066.

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, and PUP 6007. PAD 6706 is a prerequisite for PAD 6066.

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 6060. They must take the remainder of the MPA core but are further required to take only 3 electives, for a total of 33 hours of graduate course work.

Grades of B or above are required in at least 8 of the 9 required core courses in order to graduate in the program.

If a student does not complete the capstone project by the end of the term in which they took PAD 6066, then the student must register for PAD 6900 Directed Independent Study for one credit hour with their capstone committee chair each semester (summer sessions excepted) until the project is complete.

PAD5700 3 Public Admin Research Methods  
PAD6706 3 Research Design  
PAD6060 3 Public Admin in Modern Society  
PAD6066 3 Capstone Seminar

Prereq: requires permission of MPA director

PAD6106 3 Admin Behavior in Public Org  
PAD6227 3 Government Budget and Finance  
PAD6417 3 Human Res in Public/NP Mgmt  
PAD6436 3 Ethics for Administrators  
SELECT 1 FROM THE FOLLOWING:

- PUP 6006 Program Evaluation for Public & Nonprofit Management
- PUP 6007 Policy Analysis

### Major Requirements

Students may select courses in graduate programs other than the MPA program with the approval of the MPA director.

MPA students must meet the minimum graduation requirements for master's degree students at the university.

All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

SELECT FROM THE FOLLOWING:

National security policy & administration track students must transfer 9-15 hours from the the Naval War College nonresidential seminar program in order to meet the 42 hour MPA graduation requirement.

Select any two following courses if 9 hours are transferred from the Naval War College.

Select any one of the following courses if 12 hours are transferred from the Naval War College.

- PAD 5385 Public Policy Formation & Implementation
- 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

Permalink:



GRADUATE CATALOG 2009-2010

Major: History  
Concentration: European History with Thesis  
Degree: Master of Arts

Prerequisites (3 credits)

HIS3051 3 G(W) Craft Of The Historian

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.

Students who have not finished the thesis 2 years after completion of course work will be required to transfer to the non-thesis option and will have the third year for the additional course work and comprehensive exam.

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 2 Euro His Res Sems (6 hrs)

- 6000 level
- EUH
- HIS with permission of Graduate Program Director

SELECT 1 His Research Sem (3 hrs)

- 6000 level

- EUH/AMH/LAH/ASH/AFH/HIS

SELECT 4 History Courses (12 hrs)

- 5000/6000 level
- EUH/AMH/LAH/ASH/AFH/HIS

HIS6971 1 -6 Thesis Research

At least 6 hours and no more than 15 hours required in HIS 6971. Continual enrollment (summer exempted) required.

Permalink:



## GRADUATE CATALOG 2009-2010

Major: Public Administration  
Concentration: Non-Profit Management  
Degree: Master of Public Admin.

### Prerequisites (3 credits)

One undergraduate course in American Government or American Political System.

POS2041 3 Intro to American Government

### Core Requirements (27 credits)

Each student is required to defend a research paper written in conjunction with the two course capstone sequence, PAD 6706 & PAD 6066.

NOTE: PAD 5700 is a prerequisite for PAD 6706, PAD 6066, and PUP 6007. PAD 6706 is a prerequisite for PAD 6066.

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 6060. They must take the remainder of the MPA core but are further required to take only 3 electives, for a total of 33 hours of graduate course work.

Grades of B or above are required in at least 8 of the 9 required core courses in order to graduate in the program.

If a student does not complete the capstone project by the end of the term in which they took PAD 6066, then the student must register for PAD 6900 Directed Independent Study for one credit hour with their capstone committee chair each semester (summer sessions excepted) until the project is complete.

PAD5700 3 Public Admin Research Methods

PAD6706 3 Research Design

PAD6060 3 Public Admin in Modern Society

PAD6066 3 Capstone Seminar

Prereq: requires permission of MPA director

PAD6106 3 Admin Behavior in Public Org

PAD6227 3 Government Budget and Finance

PAD6417 3 Human Res in Public/NP Mgmt

PAD6436 3 Ethics for Administrators

SELECT 1 FROM THE FOLLOWING:

- PUP 6006 Program Evaluation for Public & Nonprofit Management
- PUP 6007 Policy Analysis

### Major Requirements (15 credits)

Students may also select as electives any course in an area of concentration other than their own with the approval of the MPA director and MPA steering committee.



MPA students must meet the minimum graduation requirements for masters degree students at the university.

All students must apply for graduation during registration for the last semester of courses in the program. Deadlines are published online.

SELECT 1 FROM THE FOLLOWING:

- PAD 6447 Managing Diversity in Public & Nonprofit Organizations
- PAD 6006 Program Evaluation for Public & Nonprofit Management

SELECT 1 FROM THE FOLLOWING:

Select 1 general administration courses approved by the MPA director. These will normally be departmental courses but in special circumstances, graduate courses in other university programs may be acceptable.

-or-

If a student is designated as a pre-professional student, count as the required elective course. Designation will be made by the MPA director, in consultation with the MPA steering committee.

- PAD 5385 Public Policy Formation & Implementation
- 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
- POS 6095 Intergovernmental Relations
- POS 6158 Politics & Policy in Local Government
- PAD 6946 Internship in Public Administration
- URP 6058 Urban & Regional Planning

PAD6142 3 Mgt of Nonprofit Orgs

PAD6208 3 Nonprofit Financial Management

PAD6335 3 Strat Plan Pub / Nonprofit Org

Permalink:



GRADUATE CATALOG 2009-2010

Major: History  
Concentration: US History (Non-Thesis)  
Degree: Master of Arts

Prerequisites (3 credits)

HIS3051 3 G(W) Craft Of The Historian

Major Requirements (33 credits)

A maximum of 9 hrs of HIS 6905 (Directed Independent Study) and/or HIS 6946 (Internship in History) is permitted for the not-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 2 Amer Hist Res Sems (6 hrs)

- 6000 Level
- AMH
- HIS with permission of Graduate Program Director

SELECT 1 Hist Research Sem (3 hrs)

- 6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT 2 History Courses (6 hrs)

- 6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

SELECT 4 History Courses (12 hrs)

- 5000/6000 Level
- EUH/AMH/LAH/ASH/AFH/HIS

Permalink:



GRADUATE CATALOG 2009-2010

Major: Applied Ethics Certificate  
Degree: Post-Baccalaureate Certificate

### Certificate Requirements (12 credits)

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 3 Ethics

PHI6938 3 Proseminar II: Applied Ethics

SELECT 2 ELECTIVES IN APPLIED ETHICS

Decided upon mutually by the student and the graduate coordinator.

- PHI PHP

Permalink:



GRADUATE CATALOG 2009-2010

## 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 3 Mgt of Nonprofit Orgs

PAD6208 3 Nonprofit Financial Management

PAD6335 3 Strat Plan Pub / Nonprofit Org

SELECT 1 FROM THE FOLLOWING:

Human Resources

- PAD 6417 Human Resources for Public & Nonprofit Management
- BUL 6840 Employment Law
- HSA 6342 Healthcare Human Resources

Program Evaluation

- PAD 5700 Public Administration Research Methods
- PAD 6006 Program Evaluation for Public & Nonprofit Management
- EDG 6287 Principles of School Accountability & Assessment
- ECO 6415 Making Decisions with Data
- EDG 6285 Fundamentals of Program Evaluation
- HSA 6435 Healthcare Economics
- HSC 6716 Health Program Evaluation
- HSC 6735 Health Science Research
- SYA 6657 Evaluation & Program Analysis

Diversity

- PAD 6447 Managing Diversity in Public & Nonprofit Organizations
- EDF 6687 Multicultural & Urban Foundations of Education

Grant Management

- EDA 6930 Grants Development & Project Design
- HSC 6706 Grantsmanship

Permalink:





GRADUATE CATALOG 2009-2010

Major: Civil Engineering  
Concentration: Geotechnical/Structural  
Degree: MS in Civil Engineering

Major Requirements

MSCE Geotechnical/Structural Requirements: (30 credit hours)

The Civil 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) project.

**\*\*All programs of study must be approved by the Graduate Director prior to the end of the second semester of graduate study.\*\***

Conditions for the degree:

1. All coursework must be completed with a grade of 'B' or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, probation will result.
3. At least 18.0 hours of coursework at the 6000-level must be applied toward the degree.
4. A maximum of 12.0 hours at the 5000-level can be applied toward the degree.
5. 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.

EGN6456 3 Advanced Engineering Analysis

CES5105 3 Advanced Mechanics

SELECT. one of the following:

- EML 5508 Finite Element Modeling/Analysis
- CES 6116 Finite Element

RESEARCH Thesis or Project option --

Select one of two research options:

Thesis Option: Select 6.0 hrs of CGN 6970 CE Thesis.

Project Option: Select 3.0 hrs of CGN 6974 CE Project.

SELECT CE Electives --

Civil Engineering Electives: select a minimum of 12 hrs from these courses:

- 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 Advanced Structural Analysis
- CES 6715 Prestressed Concrete
- CGN 5932 Special Topics in Civil Engineering (v. 1-3)
- CGN 6933 Special Topics in Civil Engineering (v. 1-3)

Other Electives: Select sufficient credits at the graduate level to earn a total of 30.0 hours.

- Thesis option: Select 3 hrs of additional CE electives
- Project option: Select 6 hrs of additional CE electives

Civil engineering elective courses may also be selected from FEEDS within the limitations discussed above, and must be approved by the Graduate Advisor.

(Note: A maximum of 12 hrs at the 5000 level can be applied to the program.)

Permalink:



GRADUATE CATALOG 2009-2010

Major: Computer & Info Sciences  
Concentration: Software Engineering  
Degree: Master of Science

#### Major Requirements (36 credits)

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 3 Engineering of Software I

CEN6017 3 Engineering of Software II

CEN6070 3 Software Quality Assur & Test

COP6711 3 Database Engineering/Administr

##### Soft Engr - Major + Practicum

Major Requirements & SE Practicum: (4 courses - 12.0 hrs)

CEN6940 3 Software Engineering Practicum

SELECT 3 THREE:

- CAP6100 Interface Design/Implementation
- CDA6011 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.

Permalink:



GRADUATE CATALOG 2009-2010

Major: Civil Engineering  
Concentration: Water Resources/Environmental  
Degree: MS in Civil Engineering

Major Requirements

MSCE Water Resources/Environmental Requirements: (30 credit hours)

The Civil 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) project.

**\*\*All programs of study must be approved by the Graduate Director prior to the end of the second semester of graduate study.\*\***

Conditions for the degree:

1. All coursework must be completed with a grade of 'B' or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, probation will result.
3. At least 18.0 hours of coursework at the 6000-level must be applied toward the degree.
4. A maximum of 12.0 hours at the 5000-level can be applied toward the degree.
5. 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.

EGN6456 3 Advanced Engineering Analysis

RESEARCH Thesis or Project option --

Select one of two research options:

Thesis Option: Select 6.0 hrs of CGN 6970 CE Thesis.

Project Option: Select 3.0 hrs of CGN 6974 CE Project.

SELECT CE Electives --

Civil Engineering Electives: select a minimum of 15 hrs from these courses:

- CWR 5545 Water Resources Systems
- CWR 5305 Stormwater Management
- CWR 6150 Engineering Hydrology
- CWR 6236 River Engineering/Sediment Transport
- ENV 5640 Design of Water Quality Mgmt Facilities
- ENV 6510 Aquatic Chemical Processes
- ENV 6511 Biological Treatment Systems

- ENV 6519 Physical/Chemical Treatment Systems
- CGN 5932 Special Topics in Civil Engineering (v. 1-3)
- CGN 6933 Special Topics in Civil Engineering (v. 1-3)

Other Electives: Select sufficient credits at the graduate level to earn a total of 30.0 hours.

- Thesis option: Select 6 hrs of additional CE electives
- Project option: Select 9 hrs of additional CE electives

Civil engineering elective courses may also be selected from FEEDS within the limitations discussed above, and must be approved by the Graduate Advisor.

(Note: A maximum of 12 hrs at the 5000 level can be applied to the program.)

Permalink:



GRADUATE CATALOG 2009-2010

## Major: Electrical Engineering Degree: MS in Electrical Engineering

### Major Requirements

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) project.

\*Students must select one of three concentrations: Communications, Computer, or Controls & Signal Processing.

\*\*All programs of study must be approved by the Graduate Director prior to the end of the second semester of graduate study.\*\*

Conditions for the degree:

1. All coursework must be completed with a grade of 'B' or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, probation will result.
3. At least 18.0 hours of coursework at the 6000-level must be applied toward the degree.
4. A maximum of 12.0 hours at the 5000-level can be applied toward the degree.
5. 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.

EGN6456 3 Advanced Engineering Analysis

SELECT. Concentration --

Select a minimum of 6 credits from one concentration.

1. Communications:

---- EEL 6532 Information Theory & Error Correction Coding

---- EEL 6568 Optical Systems & Networks

---- EEL 6591 Wireless/Mobile Communications

2. Computer:

---- EEL 6735 Computer System Design

---- EEL 6749 Embedded Systems Design

---- EEL 6825 Pattern Recognition

3. Controls & Signal Processing:

---- EEL 6558 Advanced Topics in Signal Processing

---- EEL 6650 Control and Instrumentation

---- EEL 6651 Motion Control

RESEARCH Thesis or Project option --

Select one of two research options:

Thesis Option: Select 6.0 hrs of EEL 6972 EE Thesis.

Project Option: Select 3.0 hrs of EEL 6925 EE Project.

SELECT EE Electives --

Electrical Engineering Electives: select 12-15 hrs from these courses depending on research option:

- EEE 5316L Advanced Electronics
- EEL 5060 High Tech Entrepreneurship
- EEL 5500 Digital Communications
- EEL 5500L Digital Communications Lab (1)
- EEL 5511 Communications Systems
- EEL 5513 Introduction to Digital Signal Processing
- EEL 5563 Fiber Optics
- EEL 5613 State-Space Control Systems
- EEL 5722C Digital Design (4)
- EEL 5764C Digital Computer Architecture
- EEL 5820 Digital Image Processing
- EEL 6521 Advanced Digital Communications
- EEL 6521L Advanced Digital Communications Lab (1)
- EEL 5934 Special Topics in Elect Engineering (v. 1-3)
- EEL 6935 Special Topics in Elect Engineering (v. 1-3)
- CDA5106 Intro to Computer Architecture
- CDA5106L Intro to Computer Architecture Lab (1)
- COP6616 Parallel Computing

Select sufficient credits at the graduate level to earn a total of 30.0 hours.

- Thesis option: Select 12 hrs of EE electives
- Project option: Select 15 hrs of EE electives

Electrical engineering elective courses may also be selected from FEEDS within the limitations discussed above, and must be approved by the Graduate Advisor.

(Note: A maximum of 12 hrs at the 5000 level can be applied to the program.)

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GRADUATE CATALOG 2009-2010

Major: Computer & 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

## 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 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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UNF CATALOG 2009-2010

## Major: Mechanical Engineering

### Degree: MS in Mechanical Engineering

#### Major Requirements

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) project.

**\*\*All programs of study must be approved by the Graduate Director prior to the end of the second semester of graduate study.\*\***

Conditions for the degree:

1. All coursework must be completed with a grade of 'B' or better.
2. A GPA of 3.0 must be maintained. If the GPA falls below 3.0, probation will result.
3. At least 18.0 hours of coursework at the 6000-level must be applied toward the degree.
4. A maximum of 12.0 hours at the 5000-level can be applied toward the degree.
5. 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.

EGN6456 3 Advanced Engineering Analysis

RESEARCH Thesis or Project option --

Select one of two research options:

Thesis Option: Select 6.0 hrs of EML 6972 ME Thesis.

Project Option: Select 3.0 hrs of EML 6556 ME Project.

SELECT ME Electives --

Mechanical Engineering Electives: select a minimum of 15 hrs from these courses:

- 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)

Other Electives: Select sufficient credits at the graduate level to earn a total of 30.0 hours.

- Thesis option: Select 6 hrs of additional ME electives
- Project option: Select 9 hrs of additional ME electives

Mechanical engineering elective courses may also be selected from FEEDS within the limitations discussed above, and must be approved by the Graduate Advisor.

(Note: A maximum of 12 hrs at the 5000 level can be applied to the program.)

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UNF CATALOG 2009-2010

Major: Computer & 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 3 Engineering of Software I

CEN6017 3 Engineering of Software II

COP6711 3 Database Engineering/Administr

ISM6021 3 Mgmt Information Technology

MAN6785 3 E-Business Strategy

SELECT\_IS One from Info Systems:

CIS6516 Managing Software Projects & Personnel

MAN6026 Project Management

SELECT\_BS One from Business:

## 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.

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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GRADUATE CATALOG 2009-2010

Major: Counselor Education  
Concentration: Mental Health Counseling  
Degree: Master of Education

Core Requirements (3 credits)

SELECT 1 FROM THE FOLLOWING:

- EDF 6480 Foundation in Education Research
- EDF 6495 Research in Counseling

Major Requirements (48 credits)

MHS6070 3 Psychopathology  
MHS6201 3 Assessment in Counseling  
MHS6401 3 Advanced Counseling  
MHS6407 3 Theories of Counseling  
MHS6428 3 Counseling Diverse Populations  
MHS6450 3 Substance Abuse Counseling  
MHS6470 3 Sexual Issue in Counseling  
MHS6482 3 Person/Life Span Development  
MHS6510 3 Group Counseling  
MHS6700 3 Legal, Prof, Eth in Counseling  
MHS6800 3 -6 Prac:Mental Health Counseling  
MHS6830 3 -6 Intern in Mental Health Course  
MHS6941 3 Prepracticum in Counseling  
SDS6310 3 Career/Lifestyle Development

Major Electives (9 credits)

SELECT 3 COURSES FROM THE FOLLOWING

(Must have approval of program sponsor) Prefixes: MHS or SDS

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GRADUATE CATALOG 2009-2010

Major: Elementary Education  
Concentration: Tch English as Second Language  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (24 credits)

EDE6225 3 The Element School Curriculum  
EDG6325 3 GenEd Comp:Models of Teach  
TSL6345 3 ESOL Methods  
TSL6525 3 Cross Culture Comm/Knowledge  
TSL6440 3 Assessment in ESOL Settings  
TSL6142 3 ESOL: Curriculum Development  
TSL6350 3 Grammar for Teachers of ESOL  
LIN5743 3 Esol Applied Linguistics

Culminating Experience (6 credits)

CHOOSE ONE OF THE FOLLOWING OPTIONS:

OPTION ONE:

- TSL 6940 TESOL Practicum AND
- EDE 6910 Directed Individual Study/Research

OPTION TWO:

- EDE 6940 Professional Lab Experience AND
- EDF 6971 Research Master's Thesis

OPTION THREE:

- EDG 6923 Curriculum Readings AND
- One Elective (In consultation with program sponsor)

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GRADUATE CATALOG 2009-2010

Major: Counselor Education  
Concentration: School Counseling  
Degree: Master of Education

Informational Text

PREREQUISITES

- 6 hours of Psychology or Sociology with a B grade or better is required. This requirement may have been satisfied within undergraduate degree.
- Computer skills (student is allowed to acquire skills through a variety of means and can demonstrate the necessary skills at designated times during the first semester through examination and/or demonstration)
- Individualized school experience contract

Core Requirements (6 credits)

EDF6495 3 Research in Counseling  
EDF6607 3 Education in America

Major Requirements (42 credits)

MHS6201 3 Assessment in Counseling  
MHS6407 3 Theories of Counseling  
MHS6421 3 Counseling Children/Adolescent  
MHS6482 3 Person/Life Span Development  
MHS6530 3 Grp Lead Skls for Sch Counsel  
MHS6600 3 Seminar: Consultation Skills  
MHS6780 3 Lgl, Eth, Prof School Counseling  
SDS6000 3 School Family: Mng Student Beh  
SDS6014 3 Org/Adm of School Counseling  
SDS6310 3 Career/Lifestyle Development  
SDS6830 3 Internship Couns/Coordination  
SDS6831 3 Mngmt of Resources  
SDS6832 3 Internship: Career Advising  
SDS6940 3 Practicum in School Counseling

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GRADUATE CATALOG 2009-2010

Major: Secondary Education  
Concentration: Adult Learning  
Degree: Master of Education

Major Requirements (21 credits)

EDA6302 3 Lifelong Learning/Prof Develop  
EDF6211 3 Advanced Ed'L Psychology  
EDF6480 3 Foundations of Ed Research  
EDG6250 3 Instr Strategies in the Curric  
EME6601 3 Instruct Design/Applications  
EDG6626 3 Curr/Instr for Adult Learning

SELECT ONE METHODS COURSE  
THAT MATCHES CONTENT AREA:

- LAE 6339 Special Methods: English
- SCE 6337 Special Methods: Science
- SSE 6385 Special Methods: Social Studies
- MAE 6336 Special Methods: Math
- FLE 6665 Current Trends for Language

Major Electives (18 credits)

18 GRADUATE credits approved by collaborating academic department, focusing on student need and appropriate graduate academic content knowledge for lower division teaching. NO undergraduate credits may be applied to content specialty or adult pedagogy (andragogy) components of the degree. Students must meet all admission standards and prerequisites of the collaborating COAS graduate program prior to enrolling in that program's graduate courses.

MATH Select 6 Graduate Courses  
S.S. Select 6 graduate courses  
ENGLISH Select 6 Graduate Courses  
SCIENCE Select 6 Graduate Courses  
LANGUAGE Select 6 Graduate Courses  
TESOL Select 6 Graduate Courses  
TECHNOLOGY Select 6 Graduate Courses

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GRADUATE CATALOG 2009-2010

Major: Educational Leadership  
Concentration: Advanced Teaching & Learning  
Degree: Master of Education

Core Requirements (6 credits)

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 3 Instructional Leadership  
EDA6945 1 -9 Practicum in Educatl Leadrshp  
EDA6191 3 Team Leadership  
EDA6196 3 Leadership/Learning Organizat  
EDA6302 3 Lifelong Learning/Prof Develop  
EDG6285 3 Fundamentals of Program Eval  
EDG6626 3 Curr/Instr for Adult Learning

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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GRADUATE CATALOG 2009-2010

Major: Secondary Education  
Concentration: Instructional Technology  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (24 credits)

ESE6215 3 Secondary School Curriculum  
EDG6356 3 Gen Ed Comp:Models Of Teaching  
EME5403 3 Technology in Education  
EDG6434 3 Enhancing Instr With Technolog  
EME7415 3 Ed Design for Digital Media  
EME6628 3 Educational Technology Systems  
EME6405 3 Educational Web Design  
EME6418 3 Educational Multimedia

ELECTIVE Select One

from the following prefixes at the 6000 level:

- EME/EDG/EDF/EDE/EDA/EEC/ESE/EEEX/MHS/SDS

Culminating Experience (6 credits)

SELECT Select 1 Option below:

- Option One:
  - ESE 6947 Profess Lab Experience AND
  - EDG 6906 Individual Study/Research
- Option Two:
  - ESE 6947 Profess Lab Experience AND
  - EDF 6971 Research Master Thesis
- Option Three:
  - EDG 6923 Curriculum Readings AND
  - Select 1 elective pre-approved by program director

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GRADUATE CATALOG 2009-2010

Major: Educational Leadership  
Concentration: Educational Tech Leadership  
Degree: Master of Education

Core Requirements (6 credits)

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 3 Introduction to Ed Leadership  
EDA6191 3 Team Leadership  
EDA6196 3 Leadership/Learning Organizat  
EDA6302 3 Lifelong Learning/Prof Develop  
EDG6285 3 Fundamentals of Program Eval  
SELECT 1 FROM THE FOLLOWING:

- EDA 6271 Technology for Educational Leaders
- EME 5403 Technology in Education

Major Electives (15 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 6990 Experimental Topics in Education Technology
- Or AN ELECTIVE selected in consultation with an Educational Technology faculty advisor.

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GRADUATE CATALOG 2009-2010

Major: Secondary Education  
Concentration: Professional Studies  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (15 credits)

EDG6325 3 GenEd Comp:Models of Teach  
ESE6215 3 Secondary School Curriculum  
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
- MUE 6349 Spec. Methods: Music

SELECT 2 COURSES FROM THE FOLLOWING:

- EDG 6336 Improvement of Instruction
- EDF 6442 Assessment in the Curriculum
- MHS 6407 Theories of Counseling
- EDF 5608 Sociological Bases of Education
- EDG 5935 Seminar: Studies in Education
- EDG 6380 Supervision of Pre-Service Teachers
- EME 5403 Technology in Education
- EME 6418 Education Multimedia

\*\*

Culminating Experience (6 credits)

SELECT Select 1 Option below:

- Option One:
  - ESE 6947 Profess Lab Experience AND
  - EDG 6906 Individual Study/Research
- Option Two:
  - ESE 6947 Profess Lab Experience AND
  - EDF 6971 Research Master Thesis
- Option Three:

- EDG 6923 Curriculum Readings AND
- Select 1 elective pre-approved by program director

## Major Electives (9 credits)

ELECTIVE Select 3 Content Courses

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.

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GRADUATE CATALOG 2009-2010

Major: Educational Leadership  
Concentration: Postsecondary & Adult Studies  
Degree: Master of Education

Core Requirements (6 credits)

SELECT 1 FROM THE FOLLOWING:

- EDF 6607 Education in America
- EDF 6687 Multicultural/Urban Foundations Ed

SELECT\_ 1 FROM THE FOLLOWING:

- EDF 6480 Foundation Education Research
- EDG 6911 Action Research in Education

Major Requirements (21 credits)

EDA6208 3 Org and Leadershp in Higher Ed  
EDA6945 1 -9 Practicum in Educatl Leadrshp  
EDA6191 3 Team Leadership  
EDA6196 3 Leadership/Learning Organizat  
EDA6302 3 Lifelong Learning/Prof Develop  
EDG6285 3 Fundamentals of Program Eval  
EDG6626 3 Curr/Instr for Adult Learning

Major Electives (12 credits)

ELECTIVE Choose 4 courses  
from the following:

- EDA 6061 Introduction to Educational Leadership
- EDA 6232 Law and Ethics in Educational Leadership
- EDA 6271 Technology and Educational Leadership
- EDA 6199 International Perspectives of Ed Leadership
- EDS 6130 Human Resource Development in Education
- EME 6405 Educational Web Design
- EME 6409 Interactive Distance Education
- EME 6418 Educational Multimedia
- EME 6441 Technology for special Population
- EME 6601 Instructional Design and Application
- MHS 6006 Intro to Counseling Procedures
- MHS 6482 Personality & Lifespan Development
- SDS 6310 Career & Lifestyle Development

- Or a Pre-Approved Elective

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GRADUATE CATALOG 2009-2010

Major: Secondary Education  
Concentration: Tch English as Second Language  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (24 credits)

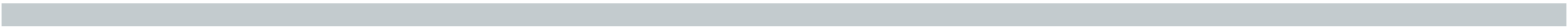
EDG6325 3 GenEd Comp:Models of Teach  
ESE6215 3 Secondary School Curriculum  
LIN5743 3 Esol Applied Linguistics  
TSL6142 3 ESOL: Curriculum Development  
TSL6345 3 ESOL Methods  
TSL6350 3 Grammar for Teachers of ESOL  
TSL6440 3 Assessment in ESOL Settings  
TSL6525 3 Cross Culture Comm/Knowledge

Culminating Experience (6 credits)

CHOOSE ONE OF THE FOLLOWING OPTIONS:

- OPTION ONE:
- TSL 6940 TESOL Practicum AND
- EDE 6910 Directed Individual Study/Research
- OPTION TWO:
- EDE 6940 Professional Lab Experience AND
- EDF 6971 Reasearch master's Thesis
- OPTION THREE:
- EDG 6923 Curriculum Readings AND
- One Elective (In Consultation with Program Sponsor)

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GRADUATE CATALOG 2009-2010

Major: Educational Leadership  
Concentration: School Leadership  
Degree: Master of Education

Core Requirements (6 credits)

EDF6607 3 Education in America

SELECT 1 FROM THE FOLLOWING:

- EDF 6480 Foundations in Education Research
- EDG 6911 Action Research in Education

Major Requirements (33 credits)

EDA6061 3 Introduction to Ed Leadership

EDA6196 3 Leadership/Learning Organizat

EDA6215 3 Developing School/Comm Resourc

EDA6232 3 Law and Ethics in Edu Lead

EDA6242 3 School Finance

EDA6271 3 Technology and Ed Leadership

EDA6287 Prin. of School Acct & Assess

EDA6945 1 -9 Practicum in Educatl Leadrshp

EDG6625 3 Curriculum Leadership Schools

EDS6050 3 Instructional Leadership

EDS6130 3 Human Resource Deve in Educati

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GRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Amer Sign Language/Interpret  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (37 credits)

ASL6215 3 Adv ASL Conversation Skills  
EHD5315 3 Psych Educ of Deaf Hard Hear  
INT5275 3 Interp Process/Skill II  
INT5457 3 Interpret for Diverse Pop  
INT5954 2 Service Learning Interp  
INT6276 3 Adv Interp Process/Skill I  
INT6277 3 Adv Interp Process/Skill II  
INT6911 3 Applied Reasearch Interpret  
INT6932 3 Special Topics in Interp.  
INT6944 6 Interpreting Internship  
TSL6525 3 Cross Culture Comm/Knowledge

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GRADUATE CATALOG 2009-2010

Major: Educational Leadership  
Degree: Doctor of Education

Major Requirements (64 credits)

EDA7980 3 -12 Doctoral Dissertation Research

A minimum of 24 hours of dissertation is required.

EDA7190 3 Evolving Idea of the Ed Leader

EDA7192 3 Leadership:Group/Team Context

EDA7193 3 Ed Leadership Iv:Leadsp/Change

EDA7194 3 Seminar in Educational Policy

EDA7262 3 Ed Leader III:Org Theory & Des

EDA7400 3 Research Ed Ld:Quantita Method

EDA7410 3 Researsh Ed Ld:Qualita Method

EDA7420 3 Foundations Research:Ed Leadsp

EDA7421 1 Inquiry Into Rsch in Ed Leadsp

EDA7945 1 -6 Practicum:Leadership Assm/Deve

Minimum of 3 hours required.

EDA7979 3 -6 Research Seminar:Ed Leadership

Minimum of 3 hours required.

EDF7215 3 Psy-Soc Aspects of Lrn & Instr

EDF7545 3 Philosophy of Education

EDF7635 3 Cultrl/Soc Foundation of Ed

COGNATE 12 HOURS REQUIRED

12 hours of 6000-7000 level courses may be used for cognate. Courses must be within the same discipline.

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GRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Applied Behavior Analysis  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (24 credits)

EEX5053 3 Foundations of Special Ed  
EEX5612 3 Prin of Applied Beh Analy I  
EEX5617 3 Prin of Applied Beh Analy II  
EEX5619 3 ABA in Dev Disab and Autism  
EEX6025 3 Issues/Trends Special Ed  
EEX6301 1 -3 Research in Special Education  
EEX6402 3 Comm, Coll, Consult Spec Ed  
EEX6625 3 App Beh Anal Ed and Perf Mgmt

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

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GRADUATE CATALOG 2009-2010

Major: Elementary Education  
 Concentration: Elementary (K-6) Initial Cert  
 Degree: Master of Education

Prerequisites (19 credits)

Field Lab I and II require, by state law, students to pass a fingerprinting and background check prior to placement. They also require 5 hours/week for 10 weeks in the school system.

EDF3945 2 -4 Field Laboratory I  
 EDF3946 2 -4 Field Laboratory II  
 EDG4990 0 -12 Exp:Education: General  
 HSC3301 3 Health/Movmt Edu in Elem Sch  
 SELECT Either TSL 3550 or TSL 3080  
 TSL4340 3 TESOL Methods and Curriculum

Core Requirements (27 credits)

EDE6946 9 Student Internship  
 EDF6211 3 Advanced Ed'L Psychology  
 EDF6442 3 Assessment in the Curriculum  
 EDF6480 3 Foundations of Ed Research  
 EDF6607 3 Education in America  
 EDG6250 3 Instr Strategies in the Curric  
 EDG6407 3 Managing Eff Learn Env

Major Requirements (27 credits)

Application for fall internship is due the 4th Friday of the previous spring semester.  
 Application for spring internship is due the 4th Friday of previous fall term.

- ALL courses must be completed prior to Internship.
- ALL parts of the Florida Teaching Certificate Examination (FTCE) are required for graduation. This includes all FOUR parts of the General Knowledge Exam (GK), the Professional Education Exam (PED) and the Subject Area Exam (SAE) for Elementary K-6.

LAE6319 3 Lang Arts Methods: Elem Teach  
 LAE6415 3 Crit Review of Writ for Child  
 MAE6318 3 Math for Elementary Teachers  
 RED6546 3 Diagnosis Reading Disabilities  
 RED6656 3 Adv Foundations of Reading  
 SCE6117 3 Science for Elementary Teacher  
 SSE6318 3 Social Study Methods:Elem Tchr

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GRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Deaf Education  
Degree: Master of Education

Core Requirements (18 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America  
EEX6025 3 Issues/Trends Special Ed  
EEX6841 3 -9 Practicum in Special Education

Major Requirements (19 credits)

ASL6215 3 Adv ASL Conversation Skills  
ASL6415 3 Sign Communication Classroom  
EHD5341 3 Curriculum/Instruct for Deaf  
EHD6241 3 Lang Instr: Deaf/Hard of Hear  
EHD6242 3 Tch Spch to Hrng Impaire Child  
EHD6281 1 Teaching Speech Practicum  
EHD6343 3 Read Instr: Deaf/Hard of Heari

Permalink:



GRADUATE CATALOG 2009-2010

Major: Elementary Education  
Concentration: Literacy  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (27 credits)

EDF6442 3 Assessment in the Curriculum  
LAE6415 3 Crit Review of Writ for Child  
RED5846 1 -3 Practicum in Reading  
RED6000 3 Lang and Cognit Found for Read  
RED6546 3 Diagnosis Reading Disabilities  
RED6548 3 Remediation Read Disabilities  
RED6656 3 Adv Foundations of Reading  
SELECT Either: EDE 6225 or ESE 6215  
SELECT\_ Either: LAE 6319 or LAE 6339

Culminating Experience (3 credits)

RED6395 3 Adv Read Assess/Prog Implement

Permalink:



GRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Disability Services  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (12 credits)

EEX5053 3 Foundations of Special Ed  
EEX6025 3 Issues/Trends Special Ed  
EEX6301 1 -3 Research in Special Education  
EEX6402 3 Comm, Coll, Consult Spec Ed

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

Permalink:



GRADUATE CATALOG 2009-2010

Major: Elementary Education  
Concentration: Professional Education  
Degree: Master of Education

Core Requirements (6 credits)

EDF6480 3 Foundations of Ed Research  
EDF6607 3 Education in America

Major Requirements (15 credits)

EDE6225 3 The Element School Curriculum  
SELECT 4 COURSES FROM THE FOLLOWING:

- EDG 6325 General Education Competencies
- EDG 6336 Improvement of Instruction
- MHS 6407 Theories of Counseling
- EDF 5608 Pre-Serv Teacher Supervision
- EDF 6442 Assessment in the Curriculum
- EDG 6407 Managing Effective Learning Environments
- EDG 6380 Sociological Basis of Education

Major Electives (9 credits)

Select 3 courses.

Content Specialization: Content must satisfy initial certification requirement plus 3 of the following courses:

SELECT 3 COURSES FOR 9 HOURS

Content Specialization: Content must satisfy initial certification requirement, plus 3 of the following courses:

- LAE 6415 Review: Writing for Children
- RED 6546 Diagnosis Reading Disability
- RED 6548 Remediation Reading Disability
- EEC 6611 Primary Education
- EEC 6205 Curriculum/Instruction Primary Education
- EEC 6944 Practicum in Primary Education
- EME 5403 Technology in Education
- EME 6418 Education Multimedia
- LAE 6319 Language Arts Elementary Teacher
- SCE 6117 Elementary Teacher Science
- SSE 6318 Social Study Methods: Elementary
- MAE 6318 Elementary Teacher Math



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## Culminating Experience (6 credits)

CHOOSE ONE OF THE FOLLOWING OPTIONS:

### OPTION ONE:

- EDG 6923 Curriculum Readings AND
- One Elective (must be approved by program sponsor)

### OPTION TWO:

- EDE 6940 Professional Lab Experience AND
- EDE 6910 Individual Study/Research

### OPTION THREE:

- EDE 6940 Professional Lab Experience AND
- EDF 6971 Research Master Thesis

Permalink:



GRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Exceptional Student Education  
Degree: Master of Education

Prerequisites (38 credits)

EDF6211 3 Advanced Ed'L Psychology  
EDF6442 3 Assessment in the Curriculum  
EDG6250 3 Instr Strategies in the Curric  
EEX3250 3 Read Mthds:Learners Exception  
EEX3251 3 Math Meth for Lnrs with Excpt  
EEX4101 2 -3 Language Development/Disorders  
EEX5053 3 Foundations of Special Ed  
EEX6225 3 Competencies:Lab in Evaluation  
EEX6256 3 Language for Learning Impaired  
EEX6283 3 Soc,Pers,Car: Except Student  
RED3310 3 Reading Method Elem Teachers  
TSL3080 3 Principles and Issues in TESOL  
TSL4340 3 TESOL Methods and Curriculum

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 checking 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 3 Foundations of Ed Research  
EDF6607 3 Education in America  
EEX6025 3 Issues/Trends Special Ed

## Major Requirements (15 credits)

EEX6052 3 Nature,Needs,Curriculum: Ve  
EEX6234 3 Teaching Mod/Severe Disability  
EEX6259 3 Literacy Strat Mild Disability  
EEX6402 3 Comm, Coll, Consult Spec Ed  
EEX6625 3 App Beh Anal Ed and Perf Mgmt

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GRADUATE CATALOG 2009-2010

Major: Educational Leadership Cert  
Degree: Post-Masters Certificate

Certificate Requirements (24 credits)

- A previous Master's degree is required for this program
- Copy of Florida Teaching Certificate is required
- Students should meet with the Program Director

EDA6061 3 Introduction to Ed Leadership  
EDA6196 3 Leadership/Learning Organizat  
EDA6215 3 Developing School/Comm Resourc  
EDA6232 3 Law and Ethics in Edu Lead  
EDA6242 3 School Finance  
EDA6271 3 Technology and Ed Leadership  
EDG6625 3 Curriculum Leadership Schools  
EDS6130 3 Human Resource Deve in Educati

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GRADUATE CATALOG 2009-2010

Major: Transformation of Conflict  
Degree: Post-Baccalaureate Certificate

#### Certificate Requirements (18 credits)

EDA6991 0 -12 Exp: Educational Admin  
EDG6403 3 Foundations of Conflict Trans  
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.

Permalink:



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GRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### PHT5257C: Clinical Skills 3

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. (A laboratory fee of \$15 assessed.)

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### 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.

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### 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.)

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### PHT6122C: 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.)

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### 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.)

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### PHT6161C: Neuroscience I: Clinical Neuroanatomy/Physiology 4

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course provides an integrative, but concise study of the normal structure and function of the human central and peripheral nervous systems, as well as the pathophysiological mechanisms underlying nervous system dysfunction presented as clinical correlations. This study will provide students with a basis for physical therapy examination, evaluation, and intervention for patients with neurological involvement. Didactic presentations will be supplemented by laboratory sessions to increase understanding of the three dimensional anatomy of the central nervous system.(A laboratory fee of \$100 assessed.)

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### 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.

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### 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.)

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#### PHT6267C: Examination and Intervention 4

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.)

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#### PHT6303C: Applied Pathophysiology 2

Prerequisite: Successful completion of previous courses in the DPT curriculum This course will examine specific pathological conditions common to the practice of physical therapy. Underlying physiological alterations and the physical consequences of such alterations will be reviewed. Treatment rational, in terms of medical management and physical therapy management, will also be discussed. Conditions covered in this course will cross the lifespan from infancy to advanced age. And, although not the focus of this course, differential diagnosis will be an important topic. (A laboratory fee of \$25 will be assessed.)

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#### PHT6314C: Neurology I: Pathology, Examination and Intervention 4

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course will examine specific pathological conditions common to the practice of physical therapy. Underlying physiological alterations and the physical consequences of such alterations will be reviewed. Treatment rational, in terms of medical management and physical therapy management, will also be discussed. Conditions covered in this course will cross the lifespan from infancy to advanced age. And, although not the focus of this course, differential diagnosis will be an important topic. (A laboratory fee of \$25 will be assessed.)

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#### 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.)

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PHT6354C: Pharmacology 2

Prerequisite: Successful completion of previous courses in the DPT curriculum This course will present current knowledge related to the pharmacokinetics and pharmacodynamics of common drugs related to the physical therapy patient management. The course will examine the factors that influence drug absorption, distribution, and elimination. 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.

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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

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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.

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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.

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## 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.

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## 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.)

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## 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.

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## PHT6819C: Clinical Internship I

4

Prerequisite: Successful completion of previous courses in the DPT curriculum Clinical Internship I is a full-time six week clinical internship experience. Students may be placed in inpatient hospital or rehabilitation settings, outpatient clinics, and/or skilled nursing facilities. Patients with orthopedic, musculoskeletal, neurological, and/or cardiopulmonary diagnosis may be encountered. Under direct supervision, and with the clinical instructor's assistance, the student will integrate all prior academic work. Students will apply basic physical therapy examination techniques and initiate treatment activities with non-complicated patients. Students will practice in accordance with the American Physical Therapy Association Code of Ethics and Guide to Physical Therapist Practice; the practice act of the state in which they are assigned; and according to the policies and procedures of the individual facility where they are assigned.(A laboratory fee of \$30 assessed.)

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#### PHT6823C: Clinical Internship II

4

Prerequisite: Successful completion of previous courses in the DPT curriculum Clinical Internship II 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 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. (A laboratory fee of \$30 will be assessed.)

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#### PHT6824C: Clinical Internship III

4

Prerequisite: Successful completion of previous courses in the DPT curriculum Clinical Internship III 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. 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 thus far in the academic portion of the curriculum to any patient referred to physical therapy. The actual 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, 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; 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. (A laboratory fee of \$30 will be assessed.)

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#### PHT6916: Projects

v. 1-3

Under the direction of graduate faculty, the student will design, implement, and/or participate in an approved project. May be repeated up to 7 hours.

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#### 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.

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PHT6971: Masters Thesis v. 1-3

Prerequisite: HSC 4730. Under the direction of graduate faculty, the student will design and implement an approved research project. May be repeated up to 10 hours.

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PHT7009C: Differential Diagnosis 3

Prerequisites: Successful completion of previous courses in the DPT curriculum. 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.

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PHT7141C: Lifespan Geriatrics/Pediatrics 4

Prerequisite: Successful completion of previous courses in the DPT curriculum This course includes two modules that provide study of the special needs and requirements for the provision of physical therapy to the pediatric and geriatric populations. Discussion of third party payers, unique service locations (e.g. schools, nursing home), and the laws pertaining to these populations is included. Consultation and site visits for evaluation and treatment planning of specific patients are components of this course.

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PHT7183C: Orthopedic Physical Therapy II: Spine and Occupational Health 5

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.)

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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.)

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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.)

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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.

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PHT7617C: Clinical Inquiry III 2

Prerequisite: Successful completion of previous courses in the DPT curriculum. This course is the final in a three part series regarding clinical inquiry. The outcome of the series is a project related to clinically-relevant research, education, or administration. Within this portion, students will complete their project/scholarly activity and prepare results for presentation. In addition, the realities of inquiry will be discussed to include: time demands, funding, and policy. A significant portion of the course is independent study, in which the students are preparing the final report of their specific project.

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PHT7741C: Spinal Cord Inj and Prosthetic 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.)

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PHT7773C: Ortho PT Residency: Advanced Management-Spine 6

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.

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### 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.

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### PHT7775C: Ortho PT Residency: Advanced Management-Upper Extremity 3

**Prerequisite:** Enrollment into the Masters in Health -(Track: Orthopedic Physical Therapy) Program This course is an in-depth study in the recognition, examination, and intervention of disorders and injuries of the musculoskeletal system, with emphasis on the upper extremity. Using a problem solving approach, students will learn to apply evidence-based practice and functional models, including the following elements of patient/client management: examination, evaluation, diagnosis, prognosis, and intervention. Sessions focus on advanced examination and intervention skills, including the performance of joint-specific special tests, manual therapy techniques, orthotics, and impairment-specific therapeutic exercises. Additionally, clinical reasoning skills will be emphasized throughout the course.

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### PHT7825C: Clinical Internship IV 5

**Prerequisite:** Successful completion of previous courses in the DPT curriculum Clinical Education IV 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. (A laboratory fee of \$30 will be assessed.)

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### PHT7826C: Clinical Internship V 5

**Prerequisite:** Successful completion of previous courses in the DPT curriculum Clinical

Internship V is a clinical education patient experience prior to graduation. This experience provides students with the opportunity to meet entry level requirements to practice as a physical therapist. Students continue to practice examination, evaluation, intervention, documentation, consultation and administrative skills under the supervision and guidance of a licensed physical therapist, but are expected to function at the level of a new graduate by the completion of this experience. 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. Patients with orthopedic, musculoskeletal, neurological, and/or cardiopulmonary diagnosis may be encountered. Through reflective journal writing students will further develop their self-assessment skills as they begin to transition from the role of student to that of an entry-level doctorally prepared physical therapist. Students will practice in accordance with the American Physical Therapy Association 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. (A laboratory fee of \$30 will be assessed.)

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### 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.

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### PHT7937: Special Topics in PT v. 1-5

Prerequisite: Successful completion of previous courses in the DPT curriculum  
Students, with instructor consent, may 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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### DIE6940: Clinical Practice in Nutrition and Dietetics 3

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. It may be repeated up to 15 credits.

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### HSC6509: Nutritional Epidemiology 3

Prerequisite: Graduate course in Epidemiology (HSC 6505). This course deals with research design issues in nutritional epidemiology and reviews current nutrition epidemiological research related to morbidity and mortality.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### NGR5003C: Health Assessment and Diagnostics 3

Prerequisites: Admission to the MSN Program or consent of instructor. Pre or Corequisites: NGR 5141 and NGR 5192. 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. (A laboratory fee of \$15 will be assessed.)

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### 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.

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### 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.

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### 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.



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### NGR5601C: Advanced Nursing Practice I 3

Prerequisites: NGR 5001C, NGR 5141 and NGR 5192. Pre or Corequisite: NGR 5110.  
Introduction to advanced nursing practice of acute, self-limiting, common health problems of culturally diverse clients across the life span. Emphasis is on pathology, assessment, diagnoses, therapeutic modalities and evaluation related to management of selected acute health problems. (A laboratory fee of \$15 assessed.)

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### NGR5770: Clinical Leadership I 2

Prerequisite: Admission to the MSN Clinical Nurse Leader program. This is the first of a series of seminars which examine the role of the clinical nurse leader. The course will include discussions of the various roles involved in interdisciplinary groups in healthcare and will focus on selected aspects of the clinical nurse leader role. Continuous quality improvement principles will be introduced and related to clinical outcomes management and cost-efficient care. Evidence-based practice will be emphasized within a framework that includes health promotion and disease reduction as well as illness and disease management.

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### NGR5780C: Clinical Nurse Specialist I 3

Prerequisite: NGR 5601C. The focus of this course is on the development of advanced nursing knowledge in a specialized area of practice. This course provides an opportunity for the learner to identify and explore acute and chronic health problems in an area of concentrated study: Adult Health; Child Health; Community Health; Geriatric Health; Mental Health; or Women's Health. The course will involve learners in the identification of the area of concentrated study and the planning, implementation, and evaluation of a personal learning plan for increasing knowledge and skills in this area. Learners will apply their advanced knowledge and skills in the clinical area.

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### NGR5810: Nursing Research Methods 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.

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### NGR5931: Special Topics in Nursing 3

Post baccalaureate seminar on various topics.

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### 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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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NGR6431L: Anesthesiology Nursing Practicum I 1

Prerequisites: Admission to the Nurse Anesthetist program 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. (A laboratory fee of \$1500 will be assessed.)

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NGR6432L: Anesthesiology Nursing Practicum II 3

Prerequisites: NGR 6431L 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. (A laboratory fee of \$1500 will be assessed.)

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NGR6433L: Anesthesiology Nursing Practicum III 6

Prerequisites: NGR 6432L 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. (A laboratory fee of \$1500 will be assessed.)

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NGR6434L: Anesthesiology Nursing Practicum IV 8

Prerequisites: NGR 6433L 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. (A laboratory fee of \$1500 will be assessed.)

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NGR6435L: Anesthesiology Nursing Practicum V 8

Prerequisites: NGR 6434L 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. (A laboratory fee of \$1500 will be assessed.)

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NGR6436L: Anesthesiology Nursing Practicum VI 8

Prerequisites: NGR 6435L This course is the sixth in an increasingly more complex seven-course series tht includes clinical anesthesia administration under the direct supervision of a CRNA and/or an anesthesiologist instructor. (A laboratory fee of \$1500 will be assessed.)

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NGR6437L: Anesthesiology Nursing Practicum VII 8

Prerequisites: NGR 6436L 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. (A laboratory fee of \$1500 will be assessed.)

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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.

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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.

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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.

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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.

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NGR6492: Prof Asp of Anesthesiology Nur 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.

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### 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.

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### NGR6602C: Advanced Nursing Practice II 3

Prerequisite: NGR 5601C. Advanced nursing practice in primary health care with focus on knowledge and skills essential for comprehensive health assessment. Analysis of data, formation of diagnoses, development of therapeutic plans and implementation of preventative care, health promotion and maintenance activities for culturally diverse clients across the lifespan. (A laboratory fee of \$15 assessed.)

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### 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.)

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### NGR6637C: Clinical Nurse Specialist II 3

Prerequisite: NGR 5052C. The focus of this course is on advanced nursing practice in the area of concentration with emphasis on knowledge and skills essential for the design, implementation, and evaluation of educational strategies focused on health promotion and disease prevention. The learner will be involved in health promotion and disease prevention activities for culturally diverse clients.

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### 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.

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### 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.

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### NGR6726: Quality Management for Advanced 3

## Nursing Practice

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.

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## NGR6740: Advanced Nursing Practice Role 3

Prerequisites: NGR 5601C, NGR 6603 C or effective Fall 2005 NGR 6711C. Theoretical basis of the current status of primary care nurse practitioner. Examination of legal, ethical, cultural, social, political and economic problems related to practice. Creative marketing strategies, practice protocols, and job descriptions identified.

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## NGR6772: Clinical Leadership II 2

Prerequisite: NGR 5770. This is the second of a series of seminars which examine the role of the clinical nurse leader. Discussion of health care systems, health policy, nursing technology, resource management, ethics and global health care will assist the student to understand how health care delivery systems are organized and financed and their effect on patient care outcomes. Through a combination of discussion and observation, participants in this course will have the opportunity to compare and contrast additional aspects of the role of the clinical nurse leader.

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## 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.

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## 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.

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## 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.

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#### 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.

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#### NGR6942C: Clinical Leadership Residency 9

Pre-req: NGR6772. Under faculty advisement, an independent clinical residency in a selected clinical area is developed to meet individual learning goals. This residency will build on all previously learned topics. Preparation of learning objectives for selected clinical practice setting with emphasis on the CNL role and specific client populations. Application and knowledge of skills acquired in a CL I and CL II is required in preparation for entrance into practice. Residents will be assessing/evaluating actual outcomes and making recommendations for change. This course will be graded as pass/fail.

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#### 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.

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#### 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.

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#### 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.

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#### 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.

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### 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.

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### 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.

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### 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.

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### NGR7850: Evidence Based Practice I 3

**Prerequisites:** Admission to DNP Program or Permission of Instructor **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.

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### 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.

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### 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.

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### NGR7946: Residency in Advanced Nursing Practice v. 3-9

Prerequisites: Admission to DNP program or permission of instructor 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 master?s level. Skills acquisition will be conducted under the direction of a qualified expert preceptor.

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### NGR7974: Doctoral Project v. 1-6

Prerequisite: Admission to the DNP program or permission of the instructor. In this course the doctoral student will identify, with advisor approval, a problem or question that requires a change in health care or educational services, clinical practices and/or policies that might be addressed in a particular leadership role. This problem should have relevance to current and emerging health care or educational issues. The result of the project will be a scholarly work, written at a doctoral level of complexity, dealing with the results of the evidence based analysis of the service, practice or policy examined. The analysis will be framed against national benchmarks to determine variances in practice outcomes and population trends. Focus is on dissemination of evaluative outcomes and implications for clinical practice to improve practice or patient outcomes.

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## Select a course:

### 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.

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### 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.

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### 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.

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### HSA6126: Managed Health Care 3

Prerequisites: HSA 5177, HSA 6114. This course provides an in-depth examination of how managed care plans are organized and function and how strategic and operational issues impact on plan performance. Interaction with health plans, provider organizations, and other health industry players in a rapidly changing health care market will also be covered.

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### 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.

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### 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.

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### 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.

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### HSA6188: Capstone: Healthcare Strategic Management 3

Prerequisites: HSA 6435; HSA 6114; HSA 5177. 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.

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### 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.

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### HSA6197: Health Systems Analysis 3

This course introduces principles and methods employed in research and program evaluation in the health care field. Emphasis will be placed on analysis of data and application of findings to the health care administrator's decision-making process.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### HSA6813: Aging Capstone v. 3-6

Prerequisites: HSA 6114, HSA 5177, HSA 6225 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.

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### HSA6815: Practicum: Executive Skill Development v. 3-6

Prerequisites: MAN 6204, HSA 6435, HSA 6114, HSA 5177 This course is designed to develop and enhance the skills necessary for success as a health care executive through management practice in health care administration.

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### 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.

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### 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.

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### HSA6945: Long Term Care Internship 6

Prerequisites: HSA6225 and completion of program requirements for Geriatric Management (MSH) or the MHA Program and Program Director approval. 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.

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### HSA6958: Study Abroad: Healthcare 3

PREREQUISITE: Graduate Standing, preference given to BCH students. This course provides the students with the opportunity to study the organization, financing and delivery of health care in other countries. While abroad, students will visit hospitals and health organizations, and meet with local health practitioners as they explore cultural and political issues impacting healthcare. This course may be repeated once for an additional 3 credits.

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### HSC5569: Aging Research and Theory 3

Provides a theoretical and analytical model for developing an understanding of the relationships between research and practice in the field of aging. Topics explored will include health care, cultural aging, education and economic issues.

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### 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.

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### HSC6157: Drug Abuse & Violence Prevention Education 3

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. Students are required to complete research, writing, and practice assignments related to drug abuse and violence prevention education in public health.

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### HSC6175: Mental and Emotional Health Education 3

The purpose of this course is to examine educational planning and program implementation involved in facilitating the development and maintenance of mental health. Communication skills effective for the helping professions are addressed. Students are required to complete research, writing, and practice assignments related to mental and emotional health education in public health.

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### HSC6215: Environmental Health and Safety 3

A study of the relationships between environmental conditions of human health and safety. Special emphasis will be given to principles, process and priorities and current research in the study of environmental problems.

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### HSC6505: Epidemiology and Disease Control 3

A study of the distribution and determinants of health and diseases in man, utilizing basic concepts in clinical medicine, laboratory science, statistical and data handling methods, and pathogenesis of disease. The causes of disease will be examined, leading to the proposal of potentially effective strategies for prevention and control.

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### HSC6512: Applied Health Statistics 3

Prerequisite: Undergraduate statistics course or equivalent. This course provides an overview of statistical applications for health care and public health. Emphasis is on common applications used by health care and public health practitioners. Use of computerized statistical packages commonly used by health care and public health care practitioners is an integral part of the course.

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### 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.

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HSC6560: Aging and Health in a Multicultural Society 3

This course examines the aging process and related health care needs from a multicultural perspective. Students will explore the impact of gender, race, and ethnicity on the aging population and on the development of culturally appropriate health and social services.

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HSC6566: Health Promotion, Disease Prevention and the Older Adult 3

A study of selected biological and psychosocial health problems of older adults and the normal physical changes that occur with the aging process. Attention will be given to the design and maintenance of healthy life styles among the elderly.

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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.

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HSC6586: Worksite Health Promotion Principles 3

An analysis of the key elements in the development and implementation of workplace health promotion programs and policies.

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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.

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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.

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HSC6635: International Health 3

The purpose of this course is to discuss the status of world health, the progress achieved over the past decade and challenges for the future. The course will address the critical questions of international cooperation and the interaction between social change and health problems.

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### HSC6656: Professional Ethics in Health Care 3

An exploration of contemporary ethical issues that face health care providers. Ethical dimensions in death and dying, abortion, AIDS, biomedical research and health care resources are among the topics to be discussed.

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### 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.

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### 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.

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### 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.

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### 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.

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### HSC6737: Applied Research in Aging 3

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.

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HSC6816: Field Experiences in Health v. 3-6

Prerequisite: Approval of department advisor. The application of methods, techniques and materials used in community and school health. May be repeated up to 18 credits.

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HSC6855: Clinical Internship in Health v. 1-9

Prerequisite: Advisor-student conference and completion of major courses. Provides clinical experience in a health care facility or workplace setting.

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HSC6900: Readings and Conference v. 1-3

In-depth readings and group discussions and conferences on selected topics or critical issues in the health science field. Readings will vary each semester but will involve a formal survey of the literature and presentation of findings.

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HSC6906: Independent Study and Research v. 3-9

Prerequisite: Permission of department chair. A specific health related research project conducted under the guidance of a faculty advisor. May be repeated up to 15 credits.

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HSC6912: Projects v. 3-9

Development, implementation, or participation in conducting a designated project related to health science. May be repeated up to 12 credits.

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HSC6931: Special Topics 3

A detailed study of a topic in the health science field. Topics will vary each time the course is offered and will be based on a current health issue or subject. May be repeated up to 12 credits.

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HSC6970: Thesis v. 3-9

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.

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HUN5408: Nutrition in The Life Cycle 3

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.

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### MHS6006: Introduction to the Counseling Process 3

Prerequisite: Admission to the counselor education program or permission of instructor. This course provides an introduction to several models of counseling, including both theory and practice. Students will develop basic knowledge and skills associated with client-centered counseling, brief counseling, and cognitive-behavioral counseling. They will become familiar with the mechanics of counseling, including structuring sessions, establishing goals, and evaluating progress. Students will learn to assess their own suitability for a career in the counseling field and will become familiar with the basic counseling literature.

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### MHS6070: Psychopathology 3

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.

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### MHS6201: Appraisal Procedures in Mental Health Counseling 3

Prerequisite: Introduction to statistics or equivalent. The study of standardized and projective instruments for testing of individuals in areas such as intelligence, attitudes, personality and motivation.

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### MHS6400: Individual Counseling 3

Prerequisite: MHS 6006. This course provides students with in-depth practice in intermediate counseling skills, as well as knowledge of the major counseling theories. Students will participate in a pre-practicum experience.

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### MHS6401: Advanced Counseling 3

Prerequisites: MHS 6400, MHS 6510, and MHS 6070. This course provides advanced application of selected counseling theories and intervention strategies which facilitate behavioral changes and personality development in clients. Students will become skilled in case management procedures from psycho social intake through termination and will develop the ability to work within managed care parameters. The course includes practical experience.

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### 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.

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### MHS6410: Behavior Management Skills 1

This course is designed to prepare school counseling students for their role as counselor and consultant by examining various behavioral management techniques for use with individuals and in the classroom. Students will be given an in-depth look at potential problem situations and students. The course will look at profiles and characteristics of students presenting potential and active behavioral problems. Strategies for handling on-going behavioral problems are examined. The course will also address how to prevent problem behavior from beginning.

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### MHS6428: Counseling Diverse Populations 3

Designed to provide students with knowledge of diverse populations and the skills necessary to counsel individuals with diverse needs.

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### 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.

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### 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.

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### 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.

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### MHS6450: Substance Abuse 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.

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### 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.

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### 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.

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### MHS6700: Legal, Ethical, and Professional Issues in Counseling 3

Prerequisite: MHS 6006. 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.

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### MHS6800: Practicum in Mental Health Counseling v. 3-6

Prerequisites: MHS 6006, MHS 6400, and MHS 6510 with grades of B or higher, and permission of the practicum committee. Classroom instruction in advanced counseling strategies, as well as supervised counseling experience in a mental health setting. May be repeated up to 6 credits.

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### MHS6830: Internship in Mental Health Counseling v. 3-6

Prerequisites: Permission of the faculty. Year-long experience totaling nine semester hours. Designed to offer in-depth supervised experience in a mental health setting as culmination of the master's degree. May be repeated up to 12 credits.

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### MHS6905: Directed Individual Study v. 1-3

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.

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### 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.

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### 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.

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### MHS6941: Prepracticum in Counseling 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.

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### 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.

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### 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.

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### PHC6152: Public Health Policy Development 3

Prerequisite: PHC 6103. This course examines responsibilities and action surrounding the development of public health policy as well as the social, economic and political environments in which such policy is formulated.

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PHC6412: Culture and Health 3

A study of the cultural aspects of disease and health, culturally specific definitions, educational strategies and cross-cultural research in health. An emphasis will be placed on integrating cultural knowledge in the planning and administration of health care programs.

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PHC6450: Community OrganizatioOn 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 an 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.

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PHC6503: Public Health Assessment 3

Prerequisite: PHC 6103. This course examines public health responsibilities as well as methods and actions dealing with the collection, assembly and analysis of information on the health of the community. Statistics on health status and community health needs will be taught.

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PHC6940: Public Health Capstone v. 3-6

Prerequisite: Completion of all required MPH courses and permission of the capstone instructor to be given no later than one month prior to the start of the semester preceding course registration. This 6 credit course may be taken in one semester of over two consecutive semesters of 3 credits each. This course consists of two major components: 1) A planned, supervised 300 hour 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 specialization courses to actual public health problems. The comprehensive examination will assess students' proficiency in the concepts and skills learned in MPH core and specialization courses. Students must complete both components successfully in order to pass the course. This course is graded on a Pass/Fail basis.

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RCS5031: Introduction to Rehabilitation Counseling 3

The purpose of this course is to introduce the field of rehabilitation counseling at the graduate level of study. Designed as a foundation for subsequent study in rehabilitation, students in this course should develop an appreciation and understanding of the rehabilitation profession in terms of its history, purpose, philosophy, process, personnel, programs, resources and clients.

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RCS5080: Medical Aspects of Disability 3

The purpose of this course is to help students gain skills in vocational rehabilitation

counseling with a working knowledge of disabilities. To do this each student needs medical information for specific purposes: (1) case finding; (2) determination of client eligibility and feasibility; (3) arranging physical restoration services; (4) counseling, planning, and developing vocational objectives; (5) training; and (6) selective job placement.

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### RCS5108: Pre-Practicum in Rehabilitation Counseling 3

This course is designed to introduce students to, and facilitate their development of basic counseling skills in rehabilitation counseling. This course also provides students with an overview of the primary ethical and administrative considerations of the rehabilitation counseling environments.

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### 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.)

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### 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.

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### 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.

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### RCS6241: Psychosocial Aspects of Rehabilitation 3

The purpose of this course is to introduce students to the complexity of psychological and sociological issues that result from chronic illness and disability. Issues of diversity will also be explored from a multicultural dimension.

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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.

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RCS6320: Vocational Development and Placement 3

The focus of this course is integration of the rehabilitation client into the labor market. Career theory will be taught, but the major emphasis will be providing information to clients about the labor market through labor market, industry, and job analysis and preparing the client for work through job readiness, job-seeking skills, and techniques and issues in job placement.

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RCS6407: Counseling/Develop, Theories and Techniques in Rehabilitation 3

This course provides students with an overview of the counseling and human development knowledge domains underlying rehabilitation counseling. These domains, which include human development theories, personal adjustment counseling, career counseling, multicultural counseling, family counseling, and consultation, are presented within the framework of the major theoretical approaches to counseling that relate specifically to people with disabilities. Basic techniques and selected professional issues related to rehabilitation counseling are presented.

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RCS6500: Introduction to Group Counseling 3

Prerequisite: MHS 6006. This is a course designed to provide students with an overview of the basic theoretical components of small groups and group theories and to foster increased skill level in communication, facilitation, and leadership. To this end, the course will include lecture, discussion, and laboratory experience.

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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.

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RCS6805: Field Practicum in Rehabilitation Counseling 3

The purpose of the clinical practice program is to provide students majoring in rehabilitation counseling with an opportunity to develop and refine their counseling skills within the functional milieu of a rehabilitation agency.

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RCS6825: Internship in Rehabilitation Counseling v. 6-12

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.

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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.

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RCS6930: Seminar in Rehabilitation Certification 1

This course is designed to give the student an opportunity to prepare for the Rehabilitation Counseling Certification Examination.

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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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### ACG6305: Management Accounting 3

Prerequisite: FIN 5405 or equivalent with "C" or better. 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 M.B.A. students who were undergraduate accounting majors.

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### ACG6309: Advanced Managerial Accounting Theory 3

Prerequisite: ACG 4361 with a "C" or better or ACG 6305 with a "C" or better. An examination of the development of managerial accounting, and contemporary managerial accounting issues with emphasis upon the underlying theories and objectives of managerial accounting as it relates to the management decision process. Recommended for MBA students who were undergraduate accounting majors.

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### ACG6405: Advanced Accounting Information Systems 3

Prerequisite: ACG 4401 or equivalent with "C" or better. 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.

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### ACG6505: Not-For-Profit Accounting 3

Prerequisite: ACG 6305 or equivalent with a grade of "B" or better. A study of how current methods of accounting for not-for-profit entities involved, and a critical review of contemporary issues concerning changes to existing not-for-profit accounting methods.

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ACG6645: Auditing Theory 3

Prerequisites: ACG 4651 or equivalent with "C" or better. 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.

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ACG6805: Advanced Accounting Theory 3

Prerequisite: Undergraduate accounting degree or equivalent. An examination of contemporary accounting issues with special emphasis upon the underlying theories, controversies, and objectives of asset valuation and income determination.

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ACG6838: Accounting Fraud 3

Pre-requisite: ACG 3103 with "C" or better or consent of instructor. 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.

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ACG6905: Advanced Studies in Accounting v. 1-3

Special studies undertaken independently under the supervision of an accounting department faculty member. Student must have the faculty supervisor and department chairperson's approval of special study prior to enrollment. May be repeated with a change in content up to a maximum of 6 credits.

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ACG6936: Special Topics in Accounting v. 1-3

Prerequisites: ACG 6305 with a "C" or better and permission of advisor and department chairperson. Study of special topics not offered in other departmental courses. May be repeated with a change in content up to a maximum of 6 credits.

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ACG6957: Study Abroad in Accounting v. 1-9

Prerequisite: Graduate standing in College of Business Administration and permission of the instructor. Co-requisite: ACG 6305 or equivalent. Students will study of 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.

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FIN5405: Essentials of Managerial Finance 3

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 M.B.A. candidates who have not had undergraduate or equivalent foundation work in accounting and financial management.

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### FIN6314: Banking and Financial Administration 3

Prerequisite: FIN 6406. Structure of banking and other financial institutions; organization and administration of commercial banks and other financial institutions.

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### FIN6406: Advanced Financial Management 3

Prerequisite: All required 5000 level foundation courses. Corequisite: ECO 6415. An examination of theory and practice in financial management. Case analysis is used as a focus for class discussion.

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### FIN6515: Investments 3

Pre-req: FIN 6406. Investment analysis, elements of the investment process, and criteria for investment decisions.

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### FIN6565: Student Managed Investment Fund I 3

Prerequisite: FIN 6406. 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. 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.

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### FIN6566: Student Managed Investment Fund II 3

Prerequisite: FIN 6565. This is the second course in the Student Managed Investment Fund sequence and continues where Student Managed Investment Fund I left off. Students 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.

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### FIN6605: International Finance 3

Prerequisite: FIN 6406. 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.



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FIN6906: Special Work in Finance v. 1-3

Prerequisite: FIN 6406. Selected problem or project of interest to the student. May be repeated with a change in content up to a maximum of six credits.

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FIN6936: Special Topics in Finance v. 1-3

Prerequisites: FIN 6406 and permission of advisor and department chairperson. Study of special topics not offered in other departmental courses. May be repeated with a change in content up to a maximum of six credits.

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FIN6957: Study Abroad in Finance v. 1-9

Prerequisites: FIN 5405 or equivalent and permission of the instructor. 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.

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REE6146: Real Property Analysis 3

Prerequisite: FIN 5405. 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.

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REE6906: Directed Individual Study v. 1-3

Prerequisite: Consent of instructor. Investigation of selected problems and topics of current and permanent import in real estate and urban land economics. May be repeated with a change in content up to a maximum of six credits.

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TAX6045: Tax Research and Writing 3

Prerequisite: TAX 3011 and ACG 4361 or equivalent each with a grade of "C" or better. This course is designed to familiarize students with the various sources of federal tax law and to enable students to analyze tax problems and to prepare tax briefs and memoranda to support their positions.

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TAX6105: Taxation of Business Corporations 3

Prerequisite: TAX 3001 and ACG 4361 or equivalent each with a grade of "C" or better. An examination of federal tax problems of business corporations. In particular, problems relative to formation, liquidation, and sale of assets and enterprises will be considered.

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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.

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TAX6405: Federal Taxation of Gifts and Estates 3

Prerequisite: TAX 3001 with a "C" or better. An examination of the federal tax laws covering gifts and estates.

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TAX6415: Income Taxation of Estates and Trusts 3

Prerequisite: TAX 3001 with a "C" or better. The study of income tax problems associated with estate and trust planning.

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TAX6505: International Taxation 3

Prerequisite: TAX 3011 with a "C" or better or TAX 6105 with a "C" or better. 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.

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TAX6726: Tax Planning and Principles 3

Prerequisite: ACG 2021 or equivalent with a "C" or better. A course 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 the MACC students.

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TAX6905: Advanced Studies in Taxation v. 1-3

Prerequisites: TAX 6105 with "C" or better and permission of the instructor and department chairperson. This course involves special studies undertaken independently under the supervision of an accounting department faculty member. The course may be repeated with a change in content up to a maximum of 6 credits.

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TAX6957: Study Abroad in Taxation v. 1-9

Prerequisite: Graduate standing in the College of Business and permission of the instructor. Co-requisite: ACG 6305 or equivalent. 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 phase : pre-trip preparation and orientation, foreign travel, and post-trip work.

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GRADUATE CATALOG 2009-2010

## Select a course:

**BUL5810: Law and Business Environment** 3  
 Prerequisite: MBA classification. 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.

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**BUL6840: Employment Law** 3  
 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.

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**BUL6850: Legal Aspects of International Business** 3  
 Prerequisite: BUL 3130 or equivalent. An examination of the legal problems that arise in commercial transactions and relations involving business organizations across national boundaries.

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**BUL6890: Special Topics in Law** 3  
 Prerequisite: Permission of instructor. Analysis and discussion of advanced problem areas in law. Credit for this course must be approved by student's major department or program director. May be repeated for 6 credits with change in course content.

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**BUL6904: Directed Individual Studies in Business Law** v. 1-3  
 Prerequisites: BUL 3130 or equivalent and approval of department chair, director of

graduate program and faculty supervisor. The course allows graduate students to investigate selected topics in business law. May be repeated with a change in content up to a maximum of six credits.

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### GEB6125: Advanced Small Business Consulting 3

Prerequisite: Twenty-five credits in graduate business administration or permission of instructor. Practicum in providing assistance to small businesses.

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### GEB6957: Study Abroad in Business v. 1-9

Prerequisites: Graduate standing in the Coggin College of Business and permission of the instructor. Students will conduct advanced study of a country's business practices. 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 current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip assignments.

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### ISM6021: Management of Information Technology 3

Prerequisites: MAN 3025 and CGS 1100 or equivalents. A study of MIS with emphasis on the design, analysis, operation and control of information systems as an aid to managerial decision-making.

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### MAN5036: Fundamentals of Management and Marketing 3

Prerequisite: Graduate standing. 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.

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### MAN5936: Seminar: Studies in Economics and Business v. 1-3

Study of interdisciplinary problems related to economics and business administration.

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### MAN6056: Cornerstones of Managing for Value 3

Prerequisites: Foundation courses or undergraduate equivalent. Introductory M.B.A. 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.

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### MAN6067: Global Business Ethics 3

Prerequisite: Graduate standing in the Coggin College of Business. 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.

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### MAN6204: Topics in Organizational Theory 3

Prerequisite: MAN 3025 or equivalent. A systematic approach to the design of structural components of organization for the purpose of increasing efficiency and effectiveness. Emphasis on internal and external determinants of structure and on the impact of structure on behavior in the organization.

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### MAN6225: Organizational Measurement and Analysis 3

Prerequisite: MAN 3025 or equivalent and elementary statistics. Advanced applications of the scientific method to organizational management; review of the scientific methods in business; measurement in organizational research including instrumentation, collection, reliability and validity assessment; analysis of organizational data for managerial effectiveness; application.

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### MAN6305: Human Resource Management 3

Prerequisite: MAN 3025 or equivalent. 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.

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### MAN6331: Compensation Management 3

Prerequisite: MAN 4301 or equivalent. In-depth analysis and application of compensation planning, the determination of internal consistency, external competitiveness and individual equity, benefits, management and legal compliance. Student consulting teams will each develop a company's total compensation system and make seminar presentations of their program.

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### MAN6411: Labor Relations and Collective Bargaining 3

Prerequisite: MAN 3025 or equivalent. Problems in collective bargaining and managing personnel who work under a collectively bargained labor agreement. Designed for the MBA student who intends to manage workers in accordance with a collectively bargained labor contract.

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### MAN6446: Advanced Topics in Negotiation 3

Prerequisite: MAN 3025 or equivalent. Broad based examination of negotiation 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.

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### MAN6501: Modeling and Management of Operations 3

Prerequisite: ECO 6415 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.

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### MAN6525: Process Management and Quality Improvements 3

Prerequisite: MAN 6501 Modeling and Man Oper 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. The 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.

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### MAN6559: Quantitative Management Analysis 3

This course covers management science models and their applications to management decisions.

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### MAN6581: Project Management 3

Prerequisite: ISM 6021. 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 the particular project. The course involves an exploration of the project leader role, understanding the concepts of project management and techniques for controlling and optimizing the project process.

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### MAN6601: International Management 3

A basic course in international business management. The 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.

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### MAN6606: Cultural Environment of Global Business 3

Prerequisite: MAN 5036 or equivalent, and graduate standing in the Coggin College of



Business. 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.

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### MAN6626: Global Human Resource Management 3

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.

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### MAN6635: Managing Multinational Corporations 3

PREREQ: MAN 5036 or equivalent, and graduate standing in the Coggin College of Business. 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.

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### MAN6656: Business Environment: United States 3

Prerequisite: Enrollment in the global MBA program or permission of instructor 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.

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### MAN6666: Applied Intercultural Communication: United States 3

Prerequisite: Graduate standing in the Coggin College of Business This course investigates the link between US culture and US business practices with a focus on communication issues. Foundations of US 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 US organizations and business practices of organizations from other countries are analyzed.

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### 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.

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MAN6668: Applied Intercultural Communication: Asia 3

Prerequisites: Graduate Standing in the Coggin College of Business 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.

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MAN6675: International Business 3

An in-depth analysis of international business concepts and investment strategies, product life cycles hypothesis and the role of multinationals in technology transfer; intensive investigation of global market integration as well as regional markets; north-south trade and development conferences and trade implications for U.S. economy; extensive use of cases in above topics.

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MAN6726: Advanced Business Policy 3

Prerequisites: Students must be in their last semester of graduate work, have an overall graduate GPA of 3.0 or better on their program of study courses and have attained permission to register from the graduate advisor. Advanced Strategic Management (ASM) is the Capstone course of the MBA program. The 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.

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MAN6785: E-Business Strategy 3

Prerequisite: ISM 6021 or permission of instructor. This course encompasses the study of current management issues associated with electronic commerce strategies.

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MAN6875: Entrepreneurship and Venture Capital 3

Prerequisite: Permission of instructor. This course focuses on the entrepreneurial aspects of small business development and funding.

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MAN6905: Directed Individual Studies in Management v. 1-3

Prerequisite: MAN 3025 or equivalent. Allows the M.B.A. student to investigate selected

management topics, especially those of local or regional interest. May be repeated with a change in content up to a maximum of 6 credits.

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### MAN6931: Special Topics in Management v. 1-3

Prerequisite: Permission of instructor. Study of special topics not offered in other courses in the department. May be repeated with a change in content up to a maximum of six credits.

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### MAN6957: Study Abroad in Management v. 1-9

Prerequisites: Graduate Standing in the College of Business Administration and permission of the instructor. Students will conduct advanced study of a country's business practices, with a particular emphasis on management. During this course, students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip assignments.

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## Select a course:

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.

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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.

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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.

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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.

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ECO6708: Political Economy of the Global Trading 1.5

## Environment

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.

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## ECO6906: Directed Individual Studies v. 1-3

Prerequisite: Consent of department chair. Study of special topics under the guidance of faculty members. May be repeated with change of content up to a maximum of six credits.

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## 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.

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## ECO6957: Study Abroad in Economics 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 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.

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## 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.

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## 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.

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## 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.

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### GEO6906: Directed Individual Studies in Economic Geography v. 1-3

Prerequisites: Consent of department chair. Study of special topics under the guidance of faculty members. May be repeated with a change of content up to a maximum of six credits.

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### GEO6936: Special Topics in Economic Geography 3

Prerequisite: Admission to the MBA program. The study of advanced Geographic Information Systems.

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### GEO6956: Study Abroad in Geography v. 1-9

Prerequisite: Graduate standing in CCB Students will participate in advanced study of a country's business practices, drawing upon analysis of economic geography, culture, and political economy.

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GRADUATE CATALOG 2009-2010

## Select a course:

### MAR6157: Import-Export Marketing 3

Prerequisite: MAN 5036 or equivalent, and graduate standing in the Coggin College of Business. This course examines macro and micro marketing issues relating to home, host, and international environments, structures, institutions and organizations, strategies, policies, and procedures pertinent to the export-import of goods and services. Course modules include conducting a new-country market feasibility study, developing and maintaining international inter-firm linkages, produce mix, value pricing, promotion, and other marketing communication mix strategies.

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### MAR6158: International Marketing 3

Prerequisite: MAR 6805--Marketing Strategy. 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.

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### MAR6206: Marketing Channel Systems 3

Prerequisite: MAR 6805-- Marketing Strategy. An investigation into 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. An elective in the M.B.A. program.

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### MAR6726: Marketing on the Internet: Strategies and Programs 3

Prerequisite: MAR 6805 or permission of the instructor. 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.



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MAR6805: Marketing Strategy 3

Prerequisites: Graduate standing and MAN 5036 or MAR 3023. 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 .

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MAR6816: Strategic Marketing Planning 3

Prerequisite: MAR 6805--Marketing Strategy. The long range study of changes in business unit markets which create threats to and opportunities in markets for an organization. Methods for evaluating change and integrating strategic decisions into operating plans are analyzed.

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MAR6916: Directed Individual Study v. 1-3

Prerequisite: MAR 6805--Marketing Strategy. Allows the student to investigate special marketing topics, especially those of local and regional interest. May be repeated up to 6 credits with different course content.

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MAR6933: Special Topics in Marketing v. 1-3

Prerequisite: Permission of instructor. Analysis and discussion of advanced problem areas in marketing. May be repeated up to 6 credits.

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MAR6957: Study Abroad in Marketing 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 marketing. During this course, students will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip assignments.

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TRA5223: Production, Marketing, Logistics Management 3

Prerequisite: Graduate standing. Analysis of the production, marketing and logistics functions.

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TRA6157: e-Supply Chain Management 3

Prerequisites: MAN 6501 and ISM 6021, or permission of instructor. 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 spanning multiple firms within the supply chain from source to end-customer.

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TRA6216: Strategic Logistics Management 3

Prerequisites: TRA 5223 or equivalents. Study of 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.

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TRA6725: International Logistics 3

Prerequisite: Graduate standing in the Coggin College of Business. This course covers a variety of aspects of international logistics for establishing and sustaining global operations. Issues addressed include the strategic and operational roles of logistics in international trade; the role of shipping and air transportation in international logistics and its impact on world trade; international distribution channels; the logistics mix in an international context; and the management of import/export shipments including documentation requirements.

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TRA6905: Directed Individual Study v. 1-3

Prerequisite: Permission of department chair. Study of special topics under faculty guidance. May be repeated for a total of 6 credits with different course content.

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TRA6935: Special Topics in Logistics v. 1-3

Prerequisite: Permission of instructor. This course studies topics not offered in other courses in the department. May be repeated with a change in content up to a maximum of six credits.

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TRA6957: Study Abroad in Transportation and Logistics v. 1-9

Prerequisites: Graduate standing in the Coggin College of Business and permission of the instructor. Students will conduct advanced study of a country's business practices, with a particular emphasis on transportation and logistics. 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. May be repeated for a maximum of 9 credits.

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## Select a course:

ART5930C: Special Topics in Art v. 1-3

Prerequisite: Permission of instructor. Introductory graduate-level course in art. May be repeated for a maximum of 15 credits under different topics.

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## Select a course:

MUS5930: Special Topics in Music v. 1-3

Prerequisite: Permission of instructor. Introductory graduate level course in music. May be repeated for 6 credits under different topics.

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## Select a course:

### 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.

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### BSC5099C: Advanced Physiology 4

PREREQ: 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.

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### BSC5870: 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.

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### BSC5905: Directed Independent Study: Biology v. 2-4

Prerequisite: Permission of instructor. Participation in a research investigation under the

supervision of the instructor. May be repeated for credit.

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BSC5930: Biology Seminar 1

This course consists of a lecture series by experts from a wide range of biological disciplines that students attend.

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BSC5931: Readings Molecular Genetics v. 1-3

PREREQS: PERMISSION OF INSTRUCTOR. This course will focus on critical readings of current primary research literature in the area of molecular genetics. Topics will include DNA structure and function, gene expression and regulation, and other related topics in either prokaryotic or eukaryotic systems. Students will lead and participate in discussions of research hypotheses, methods, and data interpretation.

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BSC5936: Selected Topics in Biology v. 1-4

Prerequisite: Permission of instructor. Introductory graduate-level course in biology. May be repeated for credit.

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BSC6098C: Environmental Physiology 4

PREREQS: 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.

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BSC6931: Advanced Readings in Biology v. 1-3

PREREQ: 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.

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BSC6971: Graduate Thesis Defense 1

Prerequisite: Permission of instructor. Graduate students in biology must take this course during their final semester in the program. Students must complete the written portion of their thesis and provide a public oral defense. It is required for partial fulfillment of the graduate degree in biology.

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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.

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### MCB5205: Pathogenic Bacteriology 3

Prerequisite: MCB 2013C. 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.

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### 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.

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### 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.

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### PCB5314C: Marine Ecology 4

Prerequisite: PCB 2033C, OCB 2003C, or equivalent. A study of the distribution and dynamics of marine populations in relation to the physical and chemical environment of the ocean. (Open to certified biology teachers and advanced undergraduates by permission of instructor.) Three hours lecture, four hours laboratory. (A laboratory fee of \$25 assessed.)

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### PCB5525: Molecular Genetics 3

PREREQS: 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.

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### PCB5675: Advanced 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. 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.

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### 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.

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### 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.

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### 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 \$30 material fee will be assessed.

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### 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 \$30 will be assessed.)

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### 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.

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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.

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PCB6685: Population Genetics 3

PREREQS: 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.

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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.

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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.

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ZOO5463C: Advanced Herpetology 4

PREREQS: 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 of reptiles. Students will read about a topic, plan a study, collect data, and write a term paper in the field of Herpetology.

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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.

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### ZOO5754C: Advanced Histology

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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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### PHI5675: Moral Conflict

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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?

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### 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.

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### 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.

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### 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.

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### 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. This course addresses variable topics in practical philosophy and applied ethics.

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### 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.

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### 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.



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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.

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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?

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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.

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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.

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PHI6937: Proseminar I: Practical Philosophy in Culture and Society 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.

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PHI6938: Proseminar II: 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.

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PHI6942: Internship in Applied Ethics v. 3-6

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 focuses on (1)documented hours of work experience with ethics committees, compliance boards, or other appropriate opportunities, and (2)a written report of the problems encountered and the solutions offered, with particular emphasis on the student's contributions. This course may be repeated up to 6 credits with permission of the graduate coordinator.

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PHI6971: Thesis v. 3-9

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. This course focuses on research and writing. It may be repeated for up to 9 credit hours with permission from the graduate coordinator.

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PHM5056: Ethical Issues in Death and Dying 3

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.

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PHM5105: Social 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 is an analysis and evaluation of different accounts of society, social order, and human socation. Readings come from classical social philosophers and contemporary social theorists.

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### PHM5305: 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 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 3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course is a philosophical exploration of the nature of democracy. Principal consideration is given to ancient Greek, classical modern and contemporary accounts of democratic theory. Themes in democratic theory are also examined as they pertain to notions such as constitutionalism, group representation, worker self management, media politics, multiculturalism, feminism, and globalism.

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### 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.

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### PHM6345: Contemporary Political Philosophy 3

Prerequisite: Admission to the MA in Practical Philosophy and Applied Ethics OR admission to the Graduate Certificate in Applied Ethics OR permission of the Philosophy Graduate Coordinator. This course examines main trends in recent and current political philosophy. Emphasis is on contemporary philosophical treatments of concepts like rights, liberty, justice, equality, democracy, power, the state, and the political itself. These concepts are explored while examining (a) new theoretical developments like communitarianism, feminism, poststructuralism, hermeneutics, discourse and difference theory, and (b) current reformulations of such classical positions as utilitarianism, liberalism, socialism, and republicanism.

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### 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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### BCH5025C: Biochemistry 4

Prerequisite: Graduate standing or permission of instructor. A study of the molecular basis of life emphasizing macromolecular structure and function and the production of cellular energy. Three hours lecture, four hours laboratory. (A laboratory fee of \$25 assessed.)

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### CHM5931: Selected Topics in Chemistry v. 1-4

Prerequisite: Permission of instructor. Introductory graduate level courses in chemistry. May be repeated for a total of 12 credits.

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## Select a course:

PHY5936: Selected Topics in Physics v. 1-4

Prerequisite: Permission of instructor. Introductory graduate level courses in physics.

May be repeated up to 12 credits under different topics.

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## Select a course:

MMC5935: Topics in Communications v. 1-3

Prerequisite: Graduate standing or permission of instructor. Study and report on current topics or problems in communications. May be repeated for a maximum of 9 credits under different topics.

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## Select a course:

### INR6079: Terrorism and Public Safety 3

This course covers the politics, ideologies, capabilities and countermeasures of global terrorism. The course traces the history and development of terrorism, examines 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, with emphasis on the political and economic costs involved and the Constitutional issues which affect the selection of specific countermeasures and tactics.

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### PAD5385: Public Policy Formation and Implementation 3

This course explores alternative views of the linkage between the formation and implementation of public policy and political, organizational and environmental influences on the process of policy implementation. It also examines decision-making techniques and analytical modes for the study of policy implementation.

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### PAD5605: Administrative Law 3

Prerequisite: PAD 6060 or equivalent. Case study approach to the administrative law with special emphasis on the powers, procedures, and liabilities of public agencies and their officers.

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### 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.

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PAD6021: Case Studies in Public Administration 3

Examination of applied experiences in public management. Students analyze cases drawn from public personnel relations, budgeting, agency policy making, public service ethics and other relevant management areas.

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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.

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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.

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PAD6066: Capstone Seminar 3

Prerequisites: PAD 5700, PAD 6706, and completion of all but 12 credit hours in the MPA program. A summary and integration of the knowledge, skills and values appropriate to a professional career in public administration. Specific emphasis on the preparation of the MPA capstone paper. If student does not complete the capstone paper during this course, s/he must register for PAD 6900, Directed Independent Study, for one credit hour with committee chairperson each semester until completed.

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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.

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PAD6142: Management of Nonprofit Organizations 3

This is the initial course in MPA nonprofit concentration and the graduate certificate of nonprofit management. The course will introduce students to legal, political, social and managerial issues faced by nonprofit organizations. Course topics will include nonprofit incorporation, faith-based initiative requirements, board development and governance requirements, Sarbanes Oxley requirements, tax exempt status of organizations, tax exempt status of contributors, and contract management. Additionally, students will investigate the leadership qualities necessary to be successful in a nonprofit organization.

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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.

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### PAD6208: Nonprofit Financial Management 3

This course is an introduction to basic financial management techniques for nonprofit organizations. The course begins with an overview of nonprofit accounting followed by consideration of ways to manage revenues, expenses, assets and liabilities. Techniques for budgeting, cash management, inventory, management, donation receivables management, and capital debt will be considered. The course will end with a consideration of how organizations can improve fund development.

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### 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.

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### 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.

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### PAD6417: Public Personnel Administration 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.

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### PAD6436: Ethics: Theory and Practice for Public Administrators 3

The course examines the theory and practice of administrative ethics with a focus on current ethical problems for public administrators.

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### PAD6447: Government and Minority Relations 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.

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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.

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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.

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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.

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PAD6836: Comparative Public Administration 3

This course will compare the public administration systems and public policy-making process in the United States, France, Germany, Britain and Japan. Administration in IGOs and NGOs, as well as in the European Union and selected developing countries will also be studied. The course will examine different means by which policy decisions are taken and implemented in different national and international contexts. The theoretical implications for administration and policy-making in the age of globalization will also be explored.

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PAD6900: Directed Independent Study v. 1-4

Prerequisite: Consent of MPA program coordinator. Specialized study of an issue or topic in public administration, directed by a faculty member specializing in that topic. May be repeated for up to 9 credits under different topics.

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PAD6934: Special Topics in Public Administration v. 2-6

Exploration of topics of enduring or emerging significance in public administration. May be repeated for up to 9 credits under different topics.

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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.

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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.

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PUP6006: Public Program Evaluation 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.

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PUP6007: Policy Analysis 3

Prerequisite: PAD 5700 The policy planning process, problems of implementing policy, evaluation of policy impacts, and techniques of policy forecasting.

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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.

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## Select a course:

### CCJ5050: Pro-Seminar in Deviance, Criminology, and Criminal Justice 3

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.

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### CCJ5346: Crisis Intervention and Collective Behavior 3

An overview of various crisis intervention techniques applicable to criminal justice personnel. Also, an analysis of crowds and collective behavior phenomena, and methods for managing such situations. Includes role-playing.

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### CCJ5456: Criminal Justice Administration Theory and Practice 3

Study of organization, communication, and motivation theories and their operational implications as they pertain to the structure and function of criminal justice entities. Includes an analysis of selected real or hypothetical cases from the criminal justice system and problem-solving exercises.

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### CCJ5475: Criminal Justice Planning and Evaluation 3

Prerequisite: CCJ 6706. Examination of research design and execution of issues and techniques specific to components of the criminal justice system. Students prepare and present progressively more comprehensive treatment of selected actual and hypothetical cases.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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, prisoner, 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 on explaining women's involvement in crime are also discussed

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**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.

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**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.

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**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.

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**CCJ6053: 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.

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**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.

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**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.

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**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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### CLP6166: Psychopathology 3

Prerequisite: Admission to the MACP program or permission of instructor. 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.

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### CLP6441C: Individual Intelligence Testing 4

Prerequisites: PCO 6317C and consent of the instructor. 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.

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### CLP6445C: Individual Personality Testing 4

Prerequisites: PCO 6317C and consent of the instructor. 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.

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### CLP6459: Principles of Sex Therapy 3

Prerequisite: Graduate standing and permission of instructor. The 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.

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### DEP6055: Human Development 3

Prerequisite: Graduate standing or permission of instructor. The course will provide an intensive survey of the research literature and central issues concerning developmental changes across the life span. Both classical and contemporary perspectives will be examined.

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### EXP6506: Learning and Cognition 3

Prerequisite: Admission to the MAGP program or permission of instructor. 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.

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### PCO6051: Counseling in Community Settings 3

Prerequisite: Admission to the MACP program. 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.

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### PCO6056: Health Psychology 3

Prerequisite: Admission to the MAGP program or permission of instructor. 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.

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### PCO6271: Social and Cultural Foundations of Counseling 3

Prerequisite: Admission to the MACP program. 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.

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### PCO6311: Psychology of Substance Abuse and Addiction 3

Prerequisite: Admission to the MACP program. 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.

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### PCO6317C: Individual Evaluation and Assessment 4

Prerequisite: PSY 6216 and admission to the MACP program or permission of instructor. The 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. (A material fee of \$15 assessed.)

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### PCO6406C: Counseling Theories and Practice 3

Prerequisite: Admission to the MACP Program or permission of the instructor. 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. Skill laboratory training involves the development of basic communication and facilitating counseling skills.

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### PCO6407C: Group Theories 4

Prerequisites: PCO 6406C plus admission to the MACP program or permission of instructor. A laboratory/practicum experience is required in this course as well as the presentation of theoretical and research background of group counseling. The experiential group process 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.

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### 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 instructor. To 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.

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### PCO6531: Career and Lifestyle Assessment 3

Prerequisite: Admission to the MACP program and PCO 6317C. 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. (A material fee of \$15 assessed.)

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### PCO6869: Ethical and Legal Issues in Mental Health Practice 3

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.

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PCO6939: Counseling Seminar 3

Prerequisite: Established by instructor. 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. May be repeated for a total of 9 credits.

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PCO6943: Internship v. 1-9

Prerequisite: Admission to Master of Arts in Counseling Psychology program. This 900 hour practical experience 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. May be repeated up to 9 credits.

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PPE6466: Advanced Personality Theories 3

Prerequisite: PPE 4004 or CLP 4143 plus admission to the MACP or MAGP program or permission of instructor. The 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). Course content provides a knowledge base relevant to counseling.

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PSB6031: Advanced Biopsychology 3

Prerequisite: Consent of instructor 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

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PSY6216: Research and Program Evaluation 3

Prerequisite: PSY 3214 or an experimental psychology course plus admission to the MACP program or permission of instructor. Designed to enable the master's level practitioner to scientifically evaluate research involving human subjects; special emphasis placed on research strategies, methodologies, and ethics. Must be completed within the first 12 hours of MACP program course work.

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PSY6217: Research Design and Analysis 4

Prerequisite: PSY 3214 or an experimental psychology course plus admission to the MAGP program or permission of instructor. 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. Introduction to the use of computerized statistical packages.

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PSY6908: Directed Individual Study v. 1-3

Prerequisite: Permission of departmental chairperson. May be repeated up to 12 credits under different topics.

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PSY6910: Supervised Research 3

Prerequisite: Admission to the MAGP program or permission of instructor. Intensive experience in design, implementation, analysis, and writing. A minimum of nine hours per week research involvement under faculty supervision. May be repeated for a total of 6 credits.

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PSY6931: Special Topics v. 1-3

Prerequisite: Admission to the MACP or MAGP program. 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.

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PSY6932: St:Seminar in Psychological Science 3

Prerequisite: Consent of Instructor 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. This course may be repeated once for a total of 6 credit hours.

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PSY6937: Colloquium in Psychological Research 1

Prerequisite: Admission to the MAGP program or permission of instructor. An ongoing colloquium series, intended for graduate students in psychology, involving the presentation and discussion of research initiatives by faculty and graduate students. May be repeated for a total of 4 credit. Grading system is Pass/Fail.

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PSY6971: Thesis A 3

Prerequisite: PSY 6217, PSY 6910

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PSY6972: Thesis B v. 1-6

Prerequisite: PSY 6971 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. Students 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.

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### SOP6069: Advanced Social Psychology 3

Prerequisites: SOP 3004, or equivalent, plus admission to the MAGP program or permission of instructor. An in-depth survey of the research literature of social psychology, with emphasis on individual behavior. Topics will include, but are not limited to, aggression, attraction, social perception, helping behavior, attribution, attitudes, applied social psychology, and communication.

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GRADUATE CATALOG 2009-2010

## Select a course:

AML6455: Studies in American Literature 3  
Prerequisite: Graduate standing or permission of instructor. Variable topics or themes in Colonial, Enlightenment, Romantic, Realist, Naturalist, Modern, or Contemporary American literature. May be repeated for 12 credits under different topics.

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CRW6025: Special Topics in Creative Writing 3  
Variable aspects of creative writing. Content varies.

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CRW6130: Fiction Workshop 3  
A workshop for student writers of fiction. Critiques of students' own writings.

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CRW6331: Poetry Workshop 3  
A workshop for student writers of poetry. Critiques of students' own writings.

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ENC6700: Theory of Composition 3  
Study of the process of composition with emphasis on various theories of the creative process. Introduction to methods and styles of teaching composition.

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ENC6706: Grammar and Rhetoric of Sentence and Paragraph 3

Prerequisites: Permission of the Graduate Coordinator The Grammar and Rhetoric of

the Sentence and Paragraph provides students with the theoretical and technical background to recognize the sources of grammatical and rhetorical problems that so often trouble inexperienced writers. This course primarily will introduce students to the scholarly research on error analysis. In addition, students will study theories regarding rhetorical style and structure of the sentence, paragraph, and essay.

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### ENC6720: Five Major Problems in Composition 3

Prerequisites: Permission of the Graduate Coordinator Writing teachers encounter hundreds of problems. Our goal in the seminar will be to engage several of these as they are concentrated into five practical problems of study. The course will introduce students to scholarly research on basic writers, sentence, and paragraph development, teaching the rhetorical genres, assignment design, and essay evaluation. Students will then be prepared to prepare a research project that leads to the design a set of lesson plans on a particular problem that puts their research into teaching practice. Ultimately, this course will teach students the basics of designing and implementing a college writing course.

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### 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.

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### ENG6018: History of Literary Criticism and Theory 3

Prerequisite: Graduate standing. This course is a study of the major texts in literary criticism and theory from Plato and Aristotle to the twentieth century with an emphasis on theory and content as well as method.

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### 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.

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### 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.

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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.

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ENG6966: MA Exam 1

Students in the MA in English program will sign up for, and take the MA comprehensive exam toward the end of their course work (ordinarily in the term in which they finish their course work). Permission of graduate coordinator.

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ENG6971: Thesis 3

Prerequisite: Graduate standing. MA thesis: research and writing.

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ENL6455: Studies in British Literature 3

Prerequisite: Graduate standing or permission of instructor. Variable period, topical or thematic studies in British literature such as Medieval, Renaissance, Restoration and 18th Century, Romantic, Victorian, Modern, or Contemporary. May be repeated for a total of 12 credits under different topics.

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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.

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LIT5934: Topics in Literature v. 1-3

Prerequisite: Graduate standing, permission of instructor. May be repeated up to 12 credits under different topics.

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LIT6017: Studies in Fiction 3

Prerequisite: Graduate standing or permission of instructor. Variable topics, themes, or periods such as British fiction, American fiction, or short fiction. May be repeated for 12 credits under different topics.

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LIT6037: Studies in Poetry 3

Prerequisite: Graduate standing or permission of instructor. Variable topics such as studies in lyric, epic, narrative, Metaphysical, Romantic, or Contemporary poetry. May

be repeated up to 12 credits under different topics.

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LIT6047: Studies in Drama 3

Prerequisite: Graduate standing or permission of instructor. Variable periods, topics, or themes such as classical or modern, comedy or tragedy, the self in revolt, or women in drama. May be repeated up to 12 credits under different topics.

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LIT6246: Major Authors 3

Prerequisite: Graduate standing or permission of instructor. 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.

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LIT6654: Comparative and World Literature 3

Study of literature in English translation. May include comparison of translated works with works written in English. Content varies. May be repeated up to 12 credits under different topics.

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LIT6905: Directed Independent Study v. 1-3

Prerequisite: Permission of instructor, graduate coordinator, and department chairperson. Investigation of literature topics at the advanced level. May be repeated for 6 credits under different topics.

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LIT6934: Special Topics in Literature 3

Prerequisite: Permission of instructor. Concepts in the study of literature. May be repeated for 12 credits under different topics.

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LIT6941: Practicum: Teaching Literature 3

Prerequisite: Graduate standing or permission of instructor. Practicum in teaching literature at the college level. Students work closely with a professor in the classroom.

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## Select a course:

### SYA6125: Development of Social Theory 3

Prerequisite: Admission to graduate program or permission of graduate director. This course surveys the corpus of theoretical works within sociology generally termed "classical" theory. The course traces the history and development of sociological theorizing from its inception to the early 20th century.

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### SYA6126: Contemporary Social Theory 3

Prerequisites: Admission to the graduate program or permission of the graduate director. This course surveys the development of sociological theory in the 20th century with a particular focus on recent advances in social thought. The course emphasizes the application of contemporary sociological theory to current social problems.

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### SYA6305: Quantitative Research Methods I 3

Prerequisites: Admission to the graduate program or permission of instructor. This seminar provides a basic, but intensive, introduction to qualitative methods of sociological research. The course will provide students with the ability to formulate research questions, collect quantitative data, prepare data for analysis, and become better able to critically interpret quantitative social science research.

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### SYA6308: Population Analysis 3

Prerequisites: Admission to the program or Permission from the Graduate Program Director. This course is designed to examine population change in the U.S. In particular, this course addresses the impact of population change on social program development and delivery. Special emphasis will be placed on how the changing demographic profile impacts U.S. economic and social issues as well as within the global context.

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### SYA6315: Qualitative Research Methods 3

Prerequisite: Admission to the Graduate Program or permission of the Graduate Director. This course will introduce students to a variety of qualitative research methods, including participant observation, interviews, open-ended surveys, and archival research. Strategies for compiling and organizing data, and using qualitative evidence to support an argument will also be discussed.

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### SYA6455: Quantitative Research Methods II 3

Prerequisites: SYA 6305 or consent of graduate director. The course is designed for graduate students to gain advanced training in quantitative data analysis. This course will teach students to organize and summarize important characteristics of data as well as make inferences about unknown characteristics of a population based on sample data.

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### SYA6657: Evaluation and Program Analysis 3

Prerequisites: Admission to Program or Permission of Graduate Director. The course provides a sociological introduction to evaluation and program analysis. The course is designed to introduce students to the theoretical base and practical application issues of evaluation research. In this course students will examine a number of evaluation studies that incorporate a variety of research methods.

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### 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.

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### 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.

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### 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.

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### 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.

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### SYD6426: Urban Sociology 3

Prerequisite: Admission to the graduate program or permission of graduate director.  
This course examines the ways that sociologists have come to understand the working of cities, as well as what sociologists have learned about society in general by making the city their object of study.

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### 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.

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### SYD6605: Community and Society 3

Prerequisites: Admission to Graduate Program or permission of Graduate Director. This course examines community from a sociological perspective, including theoretical explanations of community cohesion and change, methods of studying community, and examples of community studies. The course will also address community organizations and economic development, including organizing by communities of interest, as well as contemporary claims that community in the U.S. is under threat.

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### 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.

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### SYO6535: Social Stratification 3

Prerequisites: Admission to program or by permission of Graduate Director. This course provides a sociological introduction to stratification in the United States. Specifically, the course is designed to introduce students to the theoretical base, empirical research and applied aspects of social and economic stratification in U.S. society.

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### SYO6545: Organizations and Work 3

Prerequisite: Admission to Graduate program or permission from Graduate Director. The purpose of this course is to introduce the major theoretical approaches used to study and understand complex formal organizations and work. This will include the assessment of administrative, management, and organizational theories and their

applications. Focus will be on the structure, internal process, and environments of different forms of organization, how these influence the effectiveness of organizations, and how they impact on jobs, occupations, and the labor process.

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### 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.

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### 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.

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### SYP6668: Analysis of Subcultural Perspectives 3

An in-depth study of subcultures in American society, and the cultural wholeness of lifestyles often labeled deviant in the society. Special emphasis will be given to gaining an understanding of the perspectives of others.

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### SYP6735: Sociology of Aging 3

Prerequisites: Admission to the graduate program or permission of graduate director. This course is an introduction to the sociological study of aging. During the semester we will deconstruct stereotypes of the aged, analyze the changes we face as we grow older and how individuals adapt to such change, analyze family relationships which include caregiving relationships, discuss health and financial security issues, and analyze how government policy will be affected by changes in the age structure of our society. All of the topics above will be placed in an historical and cross-cultural context.

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GRADUATE CATALOG 2009-2010

## Select a course:

AMH5116: 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.

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AMH5137: American Revolution/Constitution 3  
An examination of the economic, political and social consequences of the American Revolution; the impact of international events on the course of the Revolution; and the origins of the Constitution.

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AMH5159: 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.

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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.

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AMH5207: 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.

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AMH5229: Gilded Age/Progressive Era, 1877-1917 3

Examines the changes and continuities in American history from reconstruction to World War I, particularly in the areas of industrialization, urbanization, immigration, diplomacy, government, and the ways Americans thought about themselves.

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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.

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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.

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AMH5405: 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 change 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 the other ways southerners identified and organized themselves - by gender, class, religious beliefs, political ideologies, and residence.

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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.

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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.

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### 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.

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### 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.

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### 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.

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### AMH5677: The Civil Rights Movement 3

The complex relationship between the Civil Right Movement, popular culture and the media will be investigated in this class. Following an examination of the origins of the late twentieth century struggle for African American freedom and equality, the class will concentrate on the main stages of the movement and on artistic endeavors that creatively explore the issues generated by and associated with the Civil Rights Movement.

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### 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.

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### 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.

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### 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.



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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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EUH5126: 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.

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EUH5149: Renaissance-Reformation 3

From 1300-1600, European society experienced profound changes in its political, religious, social and economic way of life, changes rooted in new views of the world.

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EUH5207: 20th Century Europe 3

An examination of Europe from World War I to the present; analyzing the development of contemporary European politics, society, and thought.

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EUH5209: 19th Century Europe 3

An examination of Europe from the French Revolution to the First World War, focusing on the dynamics of change in European politics, society, and thought.

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### EUH5246: World War I

3

This course examines the history of World War I in its political, economical, social, cultural, and military dimensions.

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### EUH5249: The Holocaust

3

This course examines the Holocaust - Nazi Germany's organized and systematic mass murder of European Jewry in World War II. Through readings, discussions, films, exams, and quizzes, the course explores various facets of the Holocaust, including planners, perpetrators, accomplices, collaborators, victims, bystanders, rescuers, and legacies.

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### 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.

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### EUH5325: 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 Hapsburg and Ottoman Empires, the growth of national movements and nation-states, the influence of Europe's great powers, and the transformation caused by war, revolution, nationalism, communism, social and ethnic conflict, and democratization.

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### EUH5406: Ancient Greece

3

This course will provide a detailed survey of ancient Greek history and culture, with an emphasis on working with the ancient sources. By reading the literature of the Greeks in translation, examining their archaeological and artistic remains, and studying the modern scholarship on ancient Greece, we will explore the remarkable achievements of the Greeks, and attempt to assess the contribution of Greek thought to world civilization.

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### 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.

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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"?

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EUH5459: France Since 1789 3

Examines the political, social, economic, and cultural aspects of French history since the Revolution.

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EUH5469: 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.

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EUH5507: Modern Britain 3

Examines the political, economic and social transformations of the United Kingdom from 1714 to present.

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EUH5517: 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.

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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.

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EUH5578: Imperial Russia 3

Examines Imperial Russia from the time of Peter the Great to the 1905 Revolution, focusing on Russian political, social, economic, and cultural developments.

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EUH5579: 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### HIS5067: Public History 3

This course will enhance the students' 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.

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### 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.

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### HIS5496: 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 centuries; social, scientific, and historical factors that determine the nature, extent, and definition of disease.

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### HIS5934: Special Topics in History 3

May be repeated up to 9 credits.

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### HIS6905: Directed Independent Study v. 1-4

Prerequisite: Permission of instructor. May be repeated up to 9 credits under different topics with permission of graduate advisor.

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### 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.

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### 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.

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HIS6971: Thesis Research v. 1-6

Prerequisite: Graduate standing. MA thesis research and writing. May be repeated for up to 15 credits with permission of graduate advisor.

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LAH5205: Latin America 3

An examination of recent Latin American history. Special emphasis will be placed on the roles of the church, landowner, military, middle sector, and peasant in the modernizing societies of selected countries.

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LAH5426: 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 development of Maya, Aztec, and Inca civilizations; however, we will also focus on the importance of the earlier peoples such as Classic Teotihuacan, the Olmecs and Toltecs in Mesoamerica and the Chimu and Mochica of the Andes. Students will be introduced to some of the methodological problems that face scholars who attempt to reconstruct the history of the Americas during the pre-Columbian period.

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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.

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LAH5775: Spiritual Conquest of Latin America 3

This seminar will examine the nature of the "spiritual encounter" between Europeans and Indians in the New World in the sixteenth and seventeenth centuries. Emphasis will be placed on the attempts to convert Indians to Catholicism and the native responses to such efforts. We will focus on the aims of the early Mendicants, their successes and their failures, as well as native attempts to gain access to Christianity.

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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.

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LAH5955: Latin America Abroad 3

This course combines five weeks of classroom instruction with visits to some of Latin America's most historically important archaeological sites. Destination and time frame will vary with each time the course is taught.

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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.

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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.

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LAH6935: Directed Reading in Latin American History 3

Directed reading in Latin American history. Topics, era, or themes will vary. May be repeated up to 9 credits under different topics with permission of the graduate advisor.

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LAH6936: Seminar: Latin American History 3

Graduate research seminar in Latin American history. Topics, era, or themes may vary.

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## Select a course:

FOL5930: Topics in Foreign Language v. 2-4

Prerequisite: Graduate standing and permission of instructor and department chairperson. See department office for description of specific offering. May be repeated up to 18 credits.

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## Select a course:

**MAA6417: Complex Analysis** 3  
Prerequisite: MAA 4211. Holomorphic functions, Cauchy's theorem. power series, conformal mapping, harmonic functions, residues.

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**MAA6938: Topics in Applied Analysis** 3  
Prerequisites: MAA 4212 and permission of the department. This course will consist of topics such as Hilbert space methods, integral equations, Fourier analysis, variational methods, spectral theory, and quantum mechanics.

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**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.

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**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.

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**MAE6878: 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### MAP6932: Topics in Optimization 3

Prerequisites: MAA 4212, MAP 2302 and permission of instructor. This course will consist of topics such as linear and nonlinear programming, integer programming, dynamic programming, calculus of variations and optimal control.

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### MAS6107: 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.

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### MAS6311: Abstract Algebra 3

Prerequisite: MAS 4301 or permission of instructor. Algebraic structures, sub structures,

quotient structures, modules, algebras and field extensions.

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### MAS6933: Topics in Algebra

v. 1-3

Prerequisites: MAS 4301 or permission of instructor. Selected topics from ring theory, group theory, algebraic geometry, algebraic number theory, category theory, homological algebra.

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### 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.

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### MAT5932: Special Topics in Mathematical Sciences

v. 1-3

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.

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### MAT6908: Directed Individual Study

v. 1-3

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.

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### MAT6933: Special Topics in Mathematical Science

v. 1-3

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.

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### MAT6938: Seminar in Mathematics

v. 1-3

Various topics in mathematics. May be repeated for 9 credits under different topics.

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### MAT6971: Thesis

v. 1-3

Prerequisite: Permission of the department. May be repeated for 6 credits.

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### STA5126: Statistical Methods for the Social Sciences

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### STA6908: Directed Individual Study v. 1-3

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.



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STA6932: Special Topics in Statistics v. 1-3

Prerequisite: Permission of the department. May be repeated for 9 credits under different topics.

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STA6938: Seminar in Statistics v. 1-3

Various topics in statistics. May be repeated for 9 credits under different topics.

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STA6940: Statistical Consulting v. 1-3

Prerequisites: Permission of instructor. The course is designed to give students hands-on experience with statistical consulting. The course covers problem formulation, statistical techniques, data analysis, and interpretation of the results of consulting problems. The course may be repeated for a total of 9 credits.

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STA6971: Thesis v. 1-3

Prerequisites: Permission of the department. May be repeated for 6 credits under different topics.

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GRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### BCN6728: Construction Planning and Scheduling 3

PREREQS: 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.

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### BCN6748: Construction Law 3

PREREQS: 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.

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## Select a course:

### EEE5316L: Advanced Electronics 3

Prerequisite: EEL 4309C Electronic Circuits II or equivalent 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### EEL5513: Introduction to Digital Signal Processing 3

Prerequisite: EEL 3135 Signals and Systems or equivalent This course covers the fundamental principles of digital signal processing. The topics include discrete time signals and systems, Z-transforms, discrete fourier transform (DFT), and digital filter design.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### EEL5934: Special Topics in Electrical Engineering 3

Prerequisite: Graduate standing and permission of instructor 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. May be repeated up to 6 credits.

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### 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).

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### 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.

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### EEL6532: Information Theory and Error Correction Coding 3

Prerequisite: EEL 4515 Advanced Digital Communications or equivalent. This course covers the principles of information theory and coding for reliable communications. Topics include source coding, channel coding, synchronization and encryption for secure transmission of digital information and increased system capacity.

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### EEL6558: Advanced Topics in Signal Processing 3

Prerequisite: EEL 4750 Introduction to Digital Signal Processing or equivalent This course provides an overview of modern signal processing methods including: signal modeling, spectral estimation, adaptive algorithms, neural networks, and applications.

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### 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.

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### EEL6591: Wireless/Mobile Communications 3

Prerequisite: EEL 4515 Advanced Digital Communications or equivalent 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.

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### EEL6650: Control and Instrumentation 3

Prerequisite: EEL 4657C Linear Control Systems or equivalent This course covers the design and control of microcontroller-based instruments. Topics include standard microcontroller on-chip peripherals, sensors, actuators, and control techniques. There is a laboratory component and a term project is required.

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### EEL6651: Motion Control 3

Prerequisite: EEL 4657C Linear Control Systems or equivalent This course covers the fundamentals of motion control. Topics include position and speed control using advanced control methods. There is a laboratory with this course and a term project is required.

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### 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.

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### 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.

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### 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.



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EEL6900: Directed Individual Study in Electrical Engineering 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.

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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.

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EEL6935: Special Topics in Electrical Engineering 3

Prerequisite: Graduate standing and permission of instructor 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. This course may be repeated up to 6 credits.

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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.

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## Select a course:

### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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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.

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CES6144: Advanced 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.

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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.

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CGN5932: Special Topics in Civil Engineering v. 1-3

Prerequisite: Permission of instructor 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. May be repeated for up to 6 credits.

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CGN6900: Directed Individual Study in Civil Engineering 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.

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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.

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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 wastewater with emphasis on environmental engineering problems.

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### 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.

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### 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.

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## Select a course:

### 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.

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### 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.

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### 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.

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### 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.



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### 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.

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### 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.

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### EML5508: Finite Element Modeling and Analysis 3

Prerequisites: EGN 3203 Modern Computational Methods, EGN 3331 Mechanics of Materials This course will cover 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.

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### 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.

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### 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.

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### EML5932: Special Topics in Mechanical Engineering v. 1-3

Prerequisite: Permission of instructor 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. May be repeated for up to 6 credits.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### EML6900: Directed Individual Study in Mechanical Engineering 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.

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EML6933: Special Topics in Mechanical Engineering v. 1-3

Prerequisite: Graduate standing and permission of instructor 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. May be repeated for up to 6 credits.

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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.

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## Select a course:

### CAP5605: Introduction to Artificial Intelligence 3

Prerequisite: COP 3530 or COP 3540. For beginning graduate students. Heuristic techniques for problem solving and decision making, control and search strategies, knowledge representation, logic, AI languages and tools. Applications such as expert systems, natural language understanding, planning, and computer vision. Students will extend course topics via library assignments or other instructor-assigned requirements.

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### CAP5661C: Introduction to AI Robotics 4

Prerequisites: COP 3530, COP 3601, graduate standing This course focuses on models and methods for the design and development of robotic devices whose function is to accomplish prescribed tasks with minimal human intervention. Basic robotics elements are addressed: simple mechanics (moving, turning, lifting), sensing the environment (light, contact, proximity), monitoring internal state (time, position, orientation). Autonomous and semi-autonomous robots are designed, constructed, and programmed by combining basic reactive behaviors to support higher levels of cognition. Laboratory exercises are incorporated throughout the course, with a term objective of implementing a working robot to address a performance/survival specification. Students will extend course topics via library assignments or other instructor-assigned requirements. (A material fee of \$25 will be assessed).

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### CAP5715: Computer Graphics 3

Prerequisites: MAS 3105 and COP 3530. For beginning graduate students. Point-plotting techniques, line drawings, two- and three-dimensional transformations, clipping and windowing, data and file structures, interactive techniques, raster systems, perspective, hidden surface removal, shading. Students will extend course topics via library assignments or other instructor-assigned requirements.

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### 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.

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### CAP5805: Discrete Systems Modeling and Simulation 3

Prerequisites: (STA 4321 or STA 2023) and (COP 3530 or COP 3540). For beginning graduate students. 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; continuous simulation. Students will extend course topics via library assignments or other instructor-assigned requirements.

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### CAP6100: Interface Design and Implementation 3

Prerequisite: CEN 6016 or equivalent. 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.

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### CAP6400: Graphics Image Recognition and Manipulation 3

Prerequisite: CAP 5715. For advanced graduate students. Pattern recognition: edge following, thinning, feature extraction, pattern matching, syntactic pattern recognition. Image processing: image data representation, file formats, data compression, point and area processing, histogram equalization, adaptive histogram equalization, frequency domain, FFT, filters, noise handling, edge detection, color images.

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### 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.

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### CDA5106: Introduction to Computer Architecture 3

Prerequisite: CDA 3101. Corequisite: CDA 5106L. For beginning graduate students. Computer taxonomy, description languages, conventional computer architecture, microprogramming, instruction sets, I/O techniques, memory, survey of non-conventional architectures. Software interface. Students will extend course topics via library assignments or other instructor assigned requirements.

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CDA5106L: Introduction to Computer Architecture 1

Laboratory

Prerequisite: CDA 3101. Corequisite: CDA 5106. Laboratory exercises to accompany CDA 5106 emphasizing computer architecture, microprocessing, instruction sets, I/O techniques and memory using software interfaces. 3 hours of laboratory.(A lab fee of \$30 will be assessed)

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CDA6011: 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.

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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.

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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.

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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.

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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.

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### CIS5105: Systems Performance and Evaluation 3

Prerequisites: CDA 3100 and COP 3540. For beginning graduate students. Tools and techniques used in the evaluation of the performance of computing systems, empirical modeling, methods, simulation models, deterministic and stochastic methods. Students will extend course topics via library assignments or other instructor assigned requirements.

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### 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.

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### CIS5870C: Introduction to Spatial Information Systems 3

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.

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### 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.

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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. May be repeated up to 12 credits.

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CIS5935: Seminar v. 1-3

Prerequisite: Permission of the Department of Computer and Information Sciences. 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 12 credits.

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CIS5949: Experiential Studies in Computing v. 1-3

Prerequisites: Acceptance to the Graduate Program in Computer and Information Sciences and for the cooperative education program. Students will participate in supervised work experiences related to computing. Students may receive repeat credit for this course. Up to 3 credits may be applied to the elective category for the Master of Science in Computer and Information Sciences.

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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.

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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.

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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.

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CIS6900: Directed Individual Study v. 1-3

For advanced graduate students, topic supportive of the student's overall program. May be repeated with permission.

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CIS6910: Project 4

Prerequisite: Permission of Director of Graduate Studies for Computer and Information Sciences. 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.

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CIS6930: Special Topics in Computer and Information Sciences v. 1-4

For advanced graduate students, topics reflective of current faculty research interests. May be repeated up to 27 credits.

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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.

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CIS6970: Thesis 3

For advanced graduate students nearing completion of the Masters degree. May be repeated up to 6 credits.

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CNT5505: Computer Networks and Distributed Processing 3

Prerequisites: CEN 4510 or COP 3530 or COP 3540. For beginning graduate students. Network architecture and protocols in computer communication networks, network elements and topology, switching and routing, data management and security in a distributed environment. Students will extend course topics via library assignments or other instructor assigned requirements.

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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 Ethernet; 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.

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COP5615: Operating Systems 3

Prerequisites: STA 4321, COP 3601. For beginning graduate students. Process

management, memory management, file management, input/output device management, distributed systems issues. Students will extend course topics via library assignments or other instructor-assigned requirements.

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#### COP5625: Construction of Language Translators 4

Prerequisites: COT 3210 and COP 3601. For beginning graduate students. Grammars, languages, parsing, precedence, runtime storage organization, semantic routines, error recovery, optimization, intermediate code representations, scope, symbol tables, compiler-compilers. Students will extend course topics via library assignments or other instructor-assigned requirements.

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#### COP5716: Data Modeling and Performance 3

Prerequisites: COT 3210 and COP 3601. 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.

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#### COP5819: Internet Programming 3

Prerequisites: COP 3530 or COP 3540 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.

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#### 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.

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#### 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.

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### 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.

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### 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.

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### 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.

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### COT5405: Algorithms and Complexity 3

Prerequisites: COT 3210, COP 3530. For beginning graduate students. Analysis of various algorithm design strategies, divide-and-conquer, greedy method, backtracking, branch-and-bound, lower bound theory, NP-hard and NP-complete. Students will extend course topics via library assignments or other instructor assigned requirements.

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### COT5561: Applied Graph Theory 3

Prerequisites: COT 3100 and COP 3530 or COP 3540 or equivalent. 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. Individual research project will be required.

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### 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 CATALOG 2009-2010

## Select a course:

EDE6225: The Elementary School Curriculum 3  
Basic concepts of curriculum development and evaluation applied to the elementary program.

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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.

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EDE6940: Professional Laboratory Experiences v. 1-6  
Prerequisites: Completion of 21 graduate program hours, EDF 6480 and EDE 6225. Competencies in measurement, evaluation and curriculum are necessary for completion of this culminating experience. Application of theories, techniques and methods for improving teaching in real and/or simulated situations.

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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.

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EDG6455: Storytelling 3  
An investigation of storytelling and its role in educational settings. Develops resources

and means for enhancing collective and personalized learning.

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EEC6205: Curriculum and Instruction in Primary Education 3

Classroom organization and teaching strategies for teachers of primary aged children.

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EEC6611: Primary Education 3

Theoretical bases and resultant trends in the developmental programs for primary aged children.

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EEC6944: Practicum in Primary 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.

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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.

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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.

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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.

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LAE6415: A Critical Review of Writing for Children 3

An analysis of children's literature and its place in the elementary program.

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MAE6317: Teaching Elementary Mathematics 3



## Using Technology

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.

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## MAE6318: Mathematics for Elementary Teachers 3

An extension of competencies in mathematics instruction in the elementary grades.

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## 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.

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## 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.

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## 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.

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## 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.

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RED6546: Diagnosis of Reading Disabilities 3

Prerequisite: RED 3310 or equivalent and reading teaching experience. 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.

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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.

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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.

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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.

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SCE6117: Science for Elementary Teachers 3

Advanced study of content, resources and processes used in science programs in the elementary school.

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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.

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### TSL6940: TESOL Practicum 3

This course is designed to provide students with ESOL teaching experiences in mainstream and/or self-contained ESOL classrooms. This advanced course will require students to apply ESOL methodologies, strategies, and competencies in a school setting.

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## Select a course:

**EDF5608: Sociological Bases of Education** 3  
A study of the contemporary social forces and their effect on the organization and nature of American education. The function of education in social change and concepts of multicultural education are addressed.

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**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.

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**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.

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**EDF6687: Multicultural and Urban Foundations of Education** 3  
This course examines theoretical and philosophical approaches to multicultural education; cultural learning and lifestyles; issues of class, race, ethnicity, gender and language; and policy, instruction, and curriculum issues in schools with diverse student populations. Emphasis is placed upon Americans of Native, African, Asian, Hispanic and other immigrant origins.

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EDF6905: Research: Studies in Education v. 1-3

Field-centered individual or group investigation of educational problems of an interdepartmental or interdisciplinary nature. May be repeated up to 24 credits.

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EDF6971: Research for Master's Thesis v. 1-6

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.

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EDG5935: Seminar: Studies in Education v. 1-3

Study of interdisciplinary or interdepartmental problems which are related to education. May be repeated up to 24 credits.

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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.

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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.

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EDG6336: Improvement of Instruction 3

Philosophy, research, theory and practice related to the presentation of organized bodies of knowledge.

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EDG6380: Supervision of Preservice Teachers 3

The function of the cooperating teacher who supervises preservice teachers.

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EDG6407: Managing Effective Learning 3

## Environments

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.

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### 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.

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### 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.

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### EDG6735: Cultural Learning Styles of Minority Students 3

A study of the theory, research, and practice about the cultural learning styles of African American, Hispanic American, Asian American, Native American, Poor Whites and selected other groups. Emphasis is placed upon (1) how culture influences learning and (2) culturally responsive methods of instruction in culturally diverse classrooms.

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### 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.

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EDG6906: Individual Study and Research v. 0-3

Consent of division chair or specific faculty member required. May be repeated up to 24 credits.

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EDG6923: Curriculum Readings 3

Prerequisite: Culminating Experience/Chair Signature. A culminating master's degree course designed to synthesize the major components of the Curriculum and Instruction graduate program.

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ESE6215: The Secondary School Curriculum 3

In-depth reading and discussion of the curriculum organization and operation of the secondary school (grades 6-12).

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ESE6947: Professional Laboratory Experiences v. 1-6

Prerequisites: Completion of 21 graduate program hours and ESE 6215. (Competencies in measurement, evaluation, and curriculum are necessary for completion of this culminating experience.) Application of theories, techniques, and methods for improving teaching in real and/or simulated situations.

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FLE6665: Current Trends in Teaching Foreign Languages 3

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.

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LAE5330: Teaching Shakespeare's Plays 3

Prerequisite: Equivalent of Baccalaureate Major in English. This course allows teachers to expand their repertoire of knowledge and teaching strategies for presenting Shakespeare's plays in interesting and challenging ways to their students. Plays from all periods and modes are included. Research and development required.

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LAE6339: Special Methods in Teaching English 3

Prerequisite: Regular English teaching certificate. (Florida or its equivalent). An advanced analysis of the instructional methods, materials, curriculum, and research related to teaching secondary level English.

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MAE6336: Special Methods in Teaching Mathematics 3

Prerequisite: Regular mathematics teaching certificate (Florida or its equivalent). An advanced analysis of the instructional methods, materials, curriculum, and research related to teaching secondary level mathematics.

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MUE6349: Special Methods in Teaching Music 3

Prerequisites: MUE 4311, MUE 4330, ESE 4943 or consent of the instructor. A study of the foundations and principles of instruction for facilitating the general music and performance curricula; methods for measuring and evaluating musical growth; research pertaining to music teaching and learning.

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PET6910C: Independent Study and Research v. 1-3

Independent investigation of a specific topic, field problem, or career role with faculty guidance. May be repeated up to 16 credits.

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RED5846: Practicum in Reading v. 1-3

Prerequisites: RED 3310, RED 3311. Demonstration of reading teaching competencies in the school setting.

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SCE5465: Science, Technology and Society 3

This course examines instructional methods, materials, and curricula for teaching the sciences within a context that considers the interaction of science, technology, and society. It is used for science certification and in graduate program of study.

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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.

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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.

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GRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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## Select a course:

### EDA6061: Introduction to Educational Leadership (School Leadership I) 3

An investigation of educational leadership as a profession. The course reviews literature covering the roles and the contexts that elementary and secondary school leaders experience. Students begin a personal leadership portfolio. The required first course for persons seeking admission to the program in educational leadership.

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### EDA6191: Team Leadership 3

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.

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### EDA6196: Leadership for Learning Organizations (Operational Leadership II) 3

Within this course, students will be introduced to the world of leadership through extensive investigations regarding major responsibilities of leaders. We will explore organizational behavior theories to provide a framework for making change within organizations.

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### EDA6199: International Perspectives of Educational Leadership 3

This course is a study of educational leadership from international and cross-cultural perspectives. The course examines how educational leaders in different countries influence change, motivate teachers, develop learning communities, and practice instructional leadership that results in student achievement. The course will introduce students to the Comparative Framework used to compare and contrast leadership from cross-cultural perspectives. Modes of presentation will include comparative analysis,

case studies, and problem-based learning. The ultimate goal is to help students develop an international and cross-cultural understanding of schooling and the role educational leaders play in transcending ethnocentric and culturally specific ways of improving instruction and student learning. The practice of educational leadership will be examined in Australia, and in African, Asian, European, North American, South American, and Caribbean countries. Students will have the opportunity to pursue individual and group interests through special projects.

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### EDA6208: Organization and Leadership in Higher Education 3

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, and governance that influence the evolving concept of higher education in American culture.

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### EDA6215: Developing School and Community Resources (School Leadership II) 3

This course explores 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. Applications addressed are interpreting policy, identifying needs, setting goals and objectives, planning programs understanding school constituencies, and selecting appropriate communication tools.

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### EDA6232: Law and Ethics in Ed Leadership (Operational Leadership III) 3

Prerequisite: EDA 6061. A 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.

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### EDA6242: School Finance (Instructional Leadership III) 3

Prerequisite: EDA 6061. Provides the student with an introduction to federal, state and local financial theories and practices. Provides skills in school-level budget planning, preparation and utilization. Outlines the procedures for internal accounting and financial management.

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### EDA6271: Technology and Educational Leadership (Operational Leadership IV) 3

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.

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### EDA6302: Lifelong Learning and Professional Development 3

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.

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### EDA6330: Administration and Management of Student Services 3

The course examines 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.

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### EDA6503: The School Principal 3

Prerequisite: EDA 6061. Organization and administration of the school; emphasis on the competencies necessary for leadership and management of the school center, both elementary and secondary.

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### EDA6910: Individual Study and Research v. 0-3

Prerequisite: Consent of instructor. For students who wish to undertake an individual project related to administration and supervision. May be repeated with change of content for up to a maximum of 12 credits.

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### EDA6930: Grants Development and Project Design 3

This seminar addresses all aspects of grants development, from the germination of ideas to preparing a competitive proposal. Topics include needs assessment, problem statement development, funding searches, literature review, methodology, performance objectives, evaluation design, and budget planning. The course emphasizes resource development for educators and human service professionals in a variety of settings.

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### EDA6931: Special Topics v. 0-3

Prerequisite: Consent of instructor. For students who wish to undertake study of



selected topics related to administration and supervision. May be repeated with change of content for up to a maximum of 9 credits.

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### EDA6935: St: Applied Transformation of Conflict 3

Prerequisite: EDG 6403 Foundations of Transformation in Consonance with the Mission of the University of North Florida 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.

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### EDA6945: Practicum in Educational Leadership v. 1-9

Prerequisites: EDA 6061, EDA 6215, EDG 6625, EDS 6130, EDA 6196, EDA 6232, EDA 6242 This course is designed for students who are in the Educational Leadership program for the master's degree. 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 course provides supervised experience in educational leadership (or in the principalship). Course requires 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. May be repeated up to a total of 9 credits.

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### EDA7190: The Evolving Idea of the Educational Leader 3

This course examines the roles of educational leaders in history and the evolution of leader roles in society. It uses research, theory, history, biography, and fiction to frame changing concepts of leaders and leadership. Enrollment limited to students admitted to the doctoral program.

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### EDA7192: Leadership: The Group/Team Context 3

This course focuses on the interpersonal aspects of leadership. It examines research principles and practice of effective group/team dynamics. Extensive attention is given to group/team roles and functions, issues of group/team development, cohesion, communication, conflicts and conflict resolution. Enrollment limited to students admitted to the doctoral program.

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### EDA7193: Educational Leadership IV: Leadership Change 3

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. Enrollment limited to students admitted to the doctoral program.

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### EDA7194: Seminar in Educational Policy 3

This course will address specific issues related to leadership and educational policy in a seminar format. Enrollment is limited to students admitted to the doctoral program.

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EDA7262: Educational Leadership III: Organizational Theory and Design 3

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. Enrollment limited to students admitted to the doctoral program.

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EDA7400: Research in Educational Leadership:Quantitative Method 3

The course is a close examination of the major approaches to quantitative research in educational leadership and critical analysis of their appropriateness and strengths in studying research questions in applied contexts. Enrollment limited to students admitted to the doctoral program.

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EDA7410: Research in Educational Leadership:Qualitative Method 3

The course is 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. Enrollment limited to students admitted to the doctoral program.

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EDA7420: Foundations of Research in Educational Leadership 3

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. Enrollment limited to students admitted to the doctoral program.

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EDA7421: Inquiry into Research in Educational Leadership 1

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 course may be repeated for a maximum of three credits. Enrollment limited to students admitted to the doctoral program.

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EDA7905: Individual Study and Research v. 1-3

Prerequisite: Consent of instructor. For students who wish to undertake study of selected topics related to educational leadership. May be repeated with change of

content for up to a maximum of 12 credits.

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EDA7945: Practicum: Leadership Assessment and Development v. 1-6

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. Enrollment limited to students admitted to the doctoral program. May be repeated for up to 6 credits.

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EDA7979: Research Seminar in Educational Leadership v. 3-6

The course includes advanced experiences in designing, conducting, reporting, and critiquing various phases of quantitative and qualitative educational research. Enrollment limited to students admitted to the doctoral program. May be repeated up to 12 credits.

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EDA7980: Doctoral Dissertation Research v. 3-12

Enrollment is limited to students enrolled in the doctoral program. 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.

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EDF6114: Growth and Development of the Learner 3

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.

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EDF6480: Foundations of Educational Research 3

Introduction to understanding and interpreting qualitative and quantitative methods of educational research. 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.

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EDF6495: Research in Counseling 3

The ability to design, conduct and interpret research is critical for professional counselors. Professional research allows for discovery of new knowledge, better understanding of current practices, and effective professional communications, all of which expand and enhance the practice of professional counselors. In addition,

counseling professionals are by definition expected to be accountable for the clinical and programmatic services they render. Therefore, substantive research, program evaluation, and related knowledge and skills are essential for the identification and provision of effective counseling.

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### EDF6607: Education in America 3

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.

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### EDF7215: Psycho-Social Aspects of Learning and Instruction 3

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 exceptionalality on these processes. Enrollment limited to students admitted to the doctoral program.

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### EDF7545: Philosophy of Education 3

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. Enrollment limited to students admitted to the doctoral program.

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### EDF7635: Cultural and Social Foundations of Education 3

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. Enrollment limited to students admitted to the doctoral program.

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### EDG6285: Fundamentals of Program Evaluation 3

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. The course also examines applications of evaluative research in educational decision making and policy development.

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EDG6287: Principles of School Accountability and Assessment (Instructional Leadership II) v. 1-3

This course provides an introduction to principles of school accountability and techniques in school-wide assessment. The emphasis is on understanding federal and state department of education information reporting requirements, reviewing and developing data collection procedures, and using assessment information for school improvement.

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EDG6403: Foundations of Conflict Transformation 3

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.

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EDG6625: Curriculum Leadership (School Leadership III) 3

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 an understanding of policies, practices, and procedures related to the development of the K-12 school curriculum.

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EDG6911: Action Research in Education 3

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 skill 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. The course also examines applications of action research in educational decision-making and policy development.

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EDS6050: Instructional Leadership (Instructional Leadership IV) 3

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.

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EDS6130: Human Resource Development in Education (Operational Leadership I) 3

A study of the theories, practices, processes and procedures which comprise the personnel and supervisory functions within educational organizations. Emphasis placed

on recruitment, selection, induction, assessment, development, and collective bargaining.

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### EME5403: Technology in Education 3

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. The course prepares educators to use technology to support and enhance teaching and learning. The course includes equitable, ethical, and legal issues in educational technology.

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### EME6050: Enhancing Instruction with Technology 3

Prereq.: EME5403 or Consent of Instructor. The course focuses on the development of concepts, strategies, and materials for the use of technology in the enhancement of instruction. The course explores 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.

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### EME6052C: Technology, Education, and Culture 3

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.

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### EME6405: Educational Web Design 3

Prerequisite: EME 5403 or Consent of the instructor. This course develops competencies in evaluating web pages for educational use, and in designing and producing effective web pages for school and classroom. The course prepares 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.

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### EME6409: Telecommunications in Education 3

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.

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### EME6418: Educational Multimedia 3

Prerequisite: EME 5403. 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.

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### EME6441: Technologies for Special Populations 3

Prerequisites: Computer Experience The course develops an understanding of assistive technology, accommodations, technology applications and adaptations to improve functionality of learners of all abilities, including ESE and ESOL.

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### EME6601: Instructional Design and Applications 3

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.

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### EME6628: Educational Technology Systems 3

Prerequisites: Computer Experience. This course develops understanding of educational technology hardware and network systems, including budgeting, purchase, setup, maintenance, upgrade, management and effective use in the school setting.

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### EME7415: Educational Design for Digital Media 3

Prerequisite: EME 6418 and consent of instructor. 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.

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### MHS5005: Introduction to Guidance 3

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.

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MHS6407: Personality and Counseling Theories 3

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.

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MHS6421: Counseling Children and Adolescents 3

Prerequisites: MHS 6482, MHS 6006, MHS 6400. This course concerns the helping relationship between the counselor and children and adolescents. Emphasis is placed on application of theoretical models and specific techniques required to counsel children and adolescents in both school and mental health settings.

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MHS6482: Personality and Life Span Development 3

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.

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MHS6530: Group Leadership Skills for School Counselors 3

This course is designed to provide students with methods, materials, leadership skills and counseling techniques appropriate for group work in a school setting. The course will address group and classroom approaches for promoting academic achievement and success in school. It will cover principles and practices of group counseling, group dynamics, teaching and training models and skills, teaming and collaboration and working with parent groups. Academic, career, college counseling, and school leadership groups will be emphasized.

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MHS6539: Classroom Management Skills 1

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.

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MHS6600: Seminar: Consultation Skills 3

Examination of consultation models appropriate to education and human services. Develops basic skills in consultation with parents, teachers and other professionals.

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MHS6609: Advanced Consultation Skills 3

This course provides students with skills in advanced consultation, organization and implementation of parent, faculty/staff development activities, strategies for conducting

advocacy and cross-disciplinary collaboration. Students learn to manage resources and secure alternative funding, access resources and support the academic achievement of K-12 students. The course will emphasize parenting, parent education programs, how to assist parents with helping their child succeed in school, and family influences on students' academic achievement.

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### MHS6610: Clinical Supervision in Counseling v. 1-3

Prerequisites: MHS 6006, MHS 6400 and MHS 6510. Corequisite: MHS 6830. Designed for advanced graduate students and practicing counseling professionals. 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.

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### MHS6780: Legal, Ethical, and Professional Issues in School Counseling 3

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 and 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.

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### SDS5429: Equity Methods and Resources 3

A course 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.

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### SDS5601: Home-School Communication 3

Explores the past, present, and future of home-school relationships. Covers strategies for working with parents with special needs (single parents, foster parents, etc.), includes methodology of communication skills, covers parent involvement, conferencing skills, parent education, and parent counseling.

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### SDS6000: School and Family: Managing Student Behavior 3

Prerequisite: Admission to the SOAR program or permission of the instructor. 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 teaches 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.

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### SDS6014: Organization and Administration of School Counseling 3

A study of 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.

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### SDS6200: Appraisal Procedures in School Counseling 3

Prerequisite: Introduction to statistics or equivalent. Advanced study of standardized tests used in schools, including achievement, aptitude, intelligence, interest, motivation and structured interview instruments. Includes principles of measurement, rationale for test selection, guidelines for administration and the use of appraisal data for decision-making.

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### SDS6310: Career and Lifestyle Development 3

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.

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### SDS6602: School and Family Relations 1

This course is designed to enhance the relationships between families/care givers and the school. It will give 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. The goal is to facilitate collaboration and to empower parents by providing them with an opportunity to interact with the school, explore social skill building techniques and improve communication between the school and their child.

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### SDS6820: Internship in School Counseling: Consultation Classroom Guidance Delivery 3

Prerequisite: Permission of the faculty. Year-long experience totaling six semester hours. This internship offers students an in-depth supervised experience in consultation services and classroom guidance delivery. May be repeated for credit.

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SDS6830: Internship in School Counseling: Counseling/Coordination of Guidance Services 3

This internship offers students an in-depth supervised experience in schools practicing individual and group counseling.

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SDS6831: Management of Resources and Data Analysis 3

The course offers students an in-depth supervised experience in schools practicing management of resources and data analysis.

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SDS6832: Internship in School Counseling: Career Advising/Appraisal/Advocacy 3

This internship offers students an in-depth supervised experience practicing career and academic advising and advocacy in schools and businesses.

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SDS6905: Directed Independent Study v. 1-3

Variable hours and title.

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SDS6940: Practicum in School Counseling 3

Prerequisites: MHS 6006, MHS 6400, MHS 6510, and SDS 6014 with grades of B or higher, and permission of the practicum committee. 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. May be repeated for credit.

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GRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### 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.

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### 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.

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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.

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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.

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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.

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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.

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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

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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.

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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.

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EEX6052: Nature, Needs, and Curriculum: Students with Varying 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.

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EEX6063: Preschool Programming for the Exceptional Child 3  
This course is designed to teach the development and implementation of individualized instruction for the preschool handicapped child, birth through five years of age, with emphasis on developmentally appropriate curricula, methods, and techniques.

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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.

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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.

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EEX6234: Teaching Students with Moderate and 3

## Severe Disabilities

PREREQS: 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.

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### 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.

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### 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.

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### EEX6259: Literacy Strategies for Students with Mild Disabilities 3

PREREQS: EEX 3202, EEX 5053. The course provides specialized instructional strategies for teaching basic literacy skills to students with learning disabilities and other literacy challenges. The focus is on adolescents who have difficulty understanding academic content areas through reading, writing, problem solving and independent studying. Field experience required. A collaborative interaction between general and special education teachers is an integrated theme throughout the course.

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### 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.

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### EEX6301: Research in Special Education v. 1-3

A course designed to allow advanced students to analyze, interpret, and apply research findings in the classroom setting. May be repeated up to 12 credits.

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### 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.

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### EEX6602: Behavior Management of the Maladaptive and Disruptive Child 3

Prerequisite: Basic Course in Behavior Modification. Specialized methods and strategies for dealing with defiant, aggressive, hyperactive, attention disordered and socially maladjusted students. Emphasis will be placed on applying proven research strategies to students with behavior problems.

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### EEX6615: Intervention Techniques for Dealing with the Verbally and Physically Agressive Individual 3

Prerequisite: Basic Course in Behavior Modification. An introduction to methods and techniques for managing children and adults who are verbally and physically aggressive. Special emphasis will be placed on prevention of aggression through verbal intervention techniques.

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### EEX6625: Educational Management of Exceptional Students 3

A course on educational management of exceptional students with emphasis on classroom organization, behavior management and consultation skills.

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### 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.

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### EEX6841: Practicum in Special Education v. 3-9

Prerequisite: Permission of program faculty. 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. May be repeated up to 24 credits.

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### EEX6911: Independent Study and Research v. 1-3

Prerequisite: Permission required. Supervised readings and utilization of current research findings in special education. May be repeated up to 12 credits.

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EEX6926: Advanced Study in Special Curriculum for the Exceptional Student v. 1-3

Prerequisite: Permission of instructor. Practical aspects of teaching offered through workshop format or in-service arrangement. Focus on latest trends in curriculum, methods, and media in special education. May be repeated up to 9 credits.

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EEX6936: Advanced Seminar: Current Topics in Special Education v. 1-3

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.

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EG16051: 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.

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EG16231: 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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EG16246: 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.

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EG16305: 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.

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EG16415: 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.

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### 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.

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### 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.

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### 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.

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### EHD6242: Teaching Speech to the Hearing Impaired Child 3

Theoretical and practical aspects in teaching speech to children with hearing impairments.

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### 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.

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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.

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ELD6015: Foundations of Learning Disabilities 3

Prerequisite: EEX 3202. This course surveys the factors related to the education of students with learning disabilities. Considered are historical developments, causation, research, and theories in specific learning disabilities, including characteristics, classification of students, and appropriate educational services. Field experience is required.

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ELD6141: Advanced Literacy Strategies: Learning Disabilities 3

Prerequisite: EEX 3202. This course provides specialized instructional strategies for teaching basic literacy skills to students with learning disabilities and other literacy challenges. The focus is on adolescents who have difficulty understanding academic content areas through reading, writing, problem solving and independent studying. Field experience is required.

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ELD6236: Curriculum and Programming for the Learning Disabled 3

Prerequisite: ELD 3011. Theoretical and practical aspects of curricula appropriate for students with learning disabilities. Adaptation of curriculum materials and instructional procedures will be addressed.

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EMR6012: Foundations of Mental Retardation 3

Prerequisite: EEX 3202. This course addresses the nature and needs of students who are mentally handicapped. Historical developments, causation, prevention, medical aspects, classification, and appropriate educational services are considered. Field experience is required.

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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.

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EMR6335: Curriculum, Methods, and Materials for Students Who are Mentally Handicapped 3

Prerequisite: EMR 3011 or equivalent. This course covers the specialized curriculum, methods, and materials that teachers use with students who are mentally handicapped. The course includes advanced study of effective practices and recognition of trends and standards in the profession.

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INT5275: Interpreting Process and Skill Development II 3

This is the first in a series of three courses designed to develop a deeper understanding of the interpreting process and the development of advanced competencies in interpretation and transliteration. The course utilizes interactive discussions, small group practice, and hands-on learning activities to further application of interpretation theory. Emphasis is placed on consecutive interpreting on the topics of mental health and medical settings.

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INT5457: Interpreting for Diverse Populations 3

This course will explore interpreting for diverse populations including individuals who are Deaf-Blind, individuals with minimal language skills, individuals with multiple disabilities, and individuals from diverse racial, ethnic, cultural, economic, religious, and social backgrounds. Students will identify the role and function of interpreters when working with these populations and assimilate methods for applying cultural and linguistic competence to a variety of settings. No new faculty or additional resources are required for this course.

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INT5954: Service Learning for Interpreters 2

This course is designed to strengthen the 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 located by their investigation of community needs. The course will target three areas of service learning: Deaf Community, Interpreter Community, and Deaf children. Students will design a service-learning project that is responsive to community need and adequately reflected upon through journaling and faculty mentorship. Course can be repeated up to a total of 4 hours credit.

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INT6206: 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.

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INT6276: Advanced Interpreting Process and Skill 3

## Development I

Prerequisite: INT 5275 This is the second in a series of three courses designed to develop advanced linguistic and bicultural competence in interpretation and transliteration with individuals along the continuum from Signed English to ASL. The course utilizes interactive discussions, small group practice, and hands-on learning activities to further application of interpretation theory. Emphasis is placed on simultaneous interpreting in a variety of settings.

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## INT6277: Advanced Interpreting Process and Skill Development II 3

Prerequisite: INT 6276 This is the third in a series of three courses designed to develop advanced competencies in interpretation and transliteration in highly specialized and complex settings. The course utilizes interactive discussions, small group practice, and hands-on learning activities to further application of interpretation theory. Emphasis is placed on interpreting in legal and other high-risk settings.

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## INT6911: Applied Research in Interpretation 3

Prerequisites: EDF 6480 Foundations of Educational Research This course introduces students to current research in the field of spoken and signed language interpretation and to conceptualizing research projects in related topic areas of personal interest. Students are initially exposed to human subject review procedures at the university and will undergo the necessary training and certification to proceed with research design. Subsequently, students are mentored through topic investigation, problem identification, research design, literature review, instrument construction, data collection, analysis, manuscript preparation, and dissemination. The goal of the course is to demonstrate to students the process and the value of active research in one's pursuit of excellence as an interpreter.

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## 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.

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## 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.

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UNDERGRADUATE CATALOG 2009-2010

## Brooks College of Health

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### Majors

[Athletic Training, BSAT](#)

[Health Science - Nutrition, BSH](#)

[Health Administration, BHA](#)

[Nursing - Nursing-RN, BSN](#)

[Health Science - Community Health, BSH](#)

[Nursing - Prelicensure Accel. Nursing, BSN](#)

[Health Science - Exercise Science, BSH](#)

[Nursing - Prelicensure Nursing, BSN](#)

### Minors

[Health Education](#)

[Public Health](#)

## Coggin College of Business

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### Majors

[Accounting, BBA](#)

[Financial Services - Financial Planning, BBA](#)

[Business Management, BBA](#)

[International Business, BBA](#)

[Economics, BBA](#)

[Marketing, BBA](#)

[Finance, BBA](#)

[Transportation and Logistics, BBA](#)



## Minors

Business Administration

Finance

Economics

Geography

Entrepreneurship

International Business

## College of Arts and Sciences

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## Majors

Anthropology, BA

Music Jazz Studies, BM

Art - Art History, BA

Music Performance - Music-Classical Piano, BM

Art - Ceramics, BA

Music Performance - Music-Classical Voice, BM

Art - Painting, Drawing, Printmaking, BA

Music Performance - Music-Harp, BM

Art - Sculpture, BA

Music Performance - Music-Strings, BM

Biology - Biomedical Sciences, BS

Music Performance - Music-Woodwinds, Brass, Percus, BM

Biology - Coastal Biology, BS

Music Performance - Piano Pedagogy, BM

Biology - Coastal Environmental Science, BS

Music, BA

Biology - Ecology and Evolution Biology, BS

Philosophy - General Philosophical Studies, BA

Biology - Molecular/Cell Bio. & Biotech, BS

Philosophy - Historical & Comparative Studi, BA

Chemistry, BS

Philosophy - Legal-Political-Social Studies, BA

Communication - Advertising, BS

Philosophy - Literary & Cultural Studies, BA

Communication - Electronic Media, BS

Philosophy - Philosophy Advanced Studies, BA

Communication - Journalism, BS

Philosophy - Studies in Applied Ethics, BA

Communication - Public Relations, BS

Physics - Astrophysics, BS

Criminal Justice, BA

Physics - Civil Engineering, BS

Economics, BA

Physics - Computing Emphasis, BS

English - English-Drama, BA

Physics - Electrical Engineering, BS

English, BA

Physics - Mechanical Engineering, BS

Fine Arts - Ceramics, BFA

Physics, BS

Fine Arts - Graphic Design & Digital Media, BFA

Political Science - American Politics, BA

Fine Arts - Painting, Drawing, Printmaking, BFA

Political Science - General Political Science, BA

Fine Arts - Photography, BFA

Political Science - Int'l Rel/Comparative Politics, BA

Fine Arts - Sculpture, BFA

Political Science - Pol Sci Fast Track MPA, BA

French Studies, BA

Political Science - Public Admin/Public Policy, BA

History, 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

Sociology - Social Welfare, BA

International Studies - Middle East-African Studies, BA

Sociology, BA

Liberal Studies, BA

Spanish, BA

Mathematics, BA

Statistics, BA

Mathematics, BS

Statistics, BS

**Minors**

African Amer Studies/Diaspora

International Studies

Anthropology

Law and Philosophy

Applied Statistics

Mass Communication

Art History

Mathematical Science

Asian Studies

Music History

Behavioral Medicine

Philosophy

Biology

Photography

Chemistry

Physics

Classical Civilization

Political Science

Communication Studies

Psychology

Criminal Justice

Public Administration

Culture and Philosophy

Religious Studies

Drama

Social Welfare

Economics

Sociology

English

Spanish

Environmental Studies

Statistics

Film Studies

Studies in Applied Ethics

French

Studio Art

Gender Studies

Urban & Metropolitan Studies

History

## College of Computing, Engineering and Construction

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### Majors

[Building Construction, BS](#)

[Computer & Info Sciences - Information Technology, BS](#)

[Civil Engineering, BS](#)

[Electrical Engineering - Engineering\(Computer Design\), BSEE](#)

[Computer & Info Sciences - Computer Science, BS](#)

[Electrical Engineering - Engineering\(System Design\), BSEE](#)

[Computer & Info Sciences - Information Science, BS](#)

[Mechanical Engineering, BS](#)

[Computer & Info Sciences - Information Sys/Business Minor, BS](#)

### Minors

[Computer Science](#)

[Information Science](#)

[Electrical Engineering](#)

### Certificates

[Leadership Development Cert](#)

## College of Education and Human Services

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### Majors

[Art Education - Art Education \(K-12\), BAE](#)

[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](#)

[Sign Language Interpreting, BS](#)

[Math Education - Math \(6-12\), BAE](#)

[Social Studies Education - Social Studies \(6-12\), BAE](#)

[Middle School Education - Math/Science Option, BAE](#)

[Special Education - Deaf Studies, BAE](#)

[Physical Education - Physical Education \(K-12\), BAE](#)

[Special Education - Exceptional Student Education, BAE](#)

[PreKdg/Primary Education, BAE](#)

[Sport Management - Community Sport, BS](#)

[Science Education - Biology \(6-12\), BAE](#)

[Sport Management, BS](#)

### Minors

[Amer Sign Lang/Deaf Studies](#)

[Sport Management](#)

[Professional Education](#)

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UNDERGRADUATE CATALOG 2009-2010

## Major: Athletic Training

### Degree: BS in Athletic Training

#### Prerequisites (25 credits)

Must be completed with a grade of "C" or higher

BSC1010C 4 General Biology I

BSCX010/X010L are acceptable substitutes for BSC1010C

PHY2053/L Physics I with Lab

Precalculus (MAC 1147) or College Algebra (MAC 1105) and Trigonometry (MAC 1114) are prerequisites for Algebra-based Physics (PHY 2053/2053L). PHYX053c and PHYX048 are acceptable substitutes for PHY2053/ 2053L.

BSC2085C 4 Human Anatomy and Physiology I

BSCX093/X093L, PETX322C, ZOOX733C, APKX100C, and BSCX085/X085L are acceptable substitutes for BSC2085C.

BSC2086C 4 Human Anatomy & Physiology II

BSCX094/X094L, PETX323C, PCBX703C, APKX105C BSCX086/X086L are acceptable substitutes for BSC2086C.

PSY2012 3 Introduction to Psychology

HUN2201 3 Basic Prin Human Nutrition

HUNX941 and HUNX201 are acceptable substitutes for HUN2201.

STA2023 3 G(M) Elem Statistics-Business

STAX122, STAX201 or any lower level Elementary Statistics course is an acceptable substitute for STA2023.

#### Requisites

HSC 2400 is not required, but strongly recommended prior to admission into Athletic Training Program. Admitted AT students must, however, hold current certification in CPR, First Aid, and bloodborne pathogens.

HSC2400 2 First Aid Emergency Care

#### Major Requirements (60 credits)

Must be completed with a grade of "C" or higher.

PET3603C 3 Introduction Sports Medicine

PET3620 3 Introduction Athletic Injuries

PET3312C 3 Biomechanics

HSC4612 3 Exercise Physio For Health Sci

PET3621C 3 Orthopedic Taping and Bracing

PET3670 3 Athletic Training Clinical I

PET4632C 3 Therapeutic Modalities

PET3624C 3 Emergency Mgmt Athletic Trauma  
HUN4414 3 Sports Nutrition  
PET3321 3 Gross Anatomy Athletic Trainer  
PET3671 3 Athletic Training Clinical II  
PET4633C 3 Orthopedic Injury Assessment I  
PET4634C 3 Orthopedic Injury Assess II  
PET3660 3 Athletic Training Admin  
PET4630C 3 Therapeutic Exercise  
PET4940 3 Clinical Practice in AT I  
PET4623 3 Rehabilitation Athletic Injury  
PET4933 3 Seminar in Athletic Training  
PET4947C 3 Clinical Practice in AT II  
PET4625 3 Research Sports Med

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Health Science  
Concentration: Nutrition  
Degree: Bachelor of Science in Health

#### Prerequisites (40 credits)

Must be completed with a grade of "C" or higher

MAC1105 3 G(M) College Algebra  
STA2014 3 G(M)Elem Statistics-Health/SS  
ACG2021 3 Prin of Financial Accounting  
ECO2023 3 Principles of Microeconomics  
POS2041 3 Intro to American Government  
FSS1202 2 Food Production  
FSS1202L 1 Food Production Laboratory  
HUN2201 3 Basic Prin Human Nutrition  
BSC1010C 4 General Biology I  
BSC2085C 4 Human Anatomy and Physiology I  
BSC2086C 4 Human Anatomy & Physiology II  
CHEMISTRY General Chemistry I with Lab  
CHM must be a General Chemistry I with Lab (CHM2045/2045L).  
SELECT ONE CGS COURSE

- CGS1100 Computer Applications for Business
- CGS1570 Microcomputer Application Software

#### Core Requirements (9 credits)

Must be completed with a grade of "C" or higher

HSA4111 3 U.S. Health Care System  
HSA4553 3 Health Law and Ethics  
HSC4730 3 Research in Community Health  
Prerequisite: STA2014 or STA2023

#### Major Requirements (49 credits)

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/data/bshhndbk> to avoid delaying graduation. Nutrition Students planning to complete a CADE accredited nutrition internship after graduation must meet with the BSH Nutrition program director the semester prior to graduation for application procedures.

BCH3023C 4 Bioorganic Chemistry  
Prerequisite: CHM2045/2045L

HUN3601 3 Nutrition Education  
Prerequisite: HUN2201

SOP3004 3 Social Psychology

HUN3403 3 Life Span Nutrition  
Prerequisites: HUN2201 & CHM2045/2045L  
Corequisites:FSS1202 & FSS1202L (can be taken earlier)

HUN4221 3 Science of Nutrition  
Prerequisites: HUN2201, CHM2045/2045L BCH3023c, FSS1202, FSS1202L,  
BSC2085c, and BSC2086c

DIE3310 3 Community Nutrition  
Prerequisite: HUN2201

MCB2010C 4 Microbiology  
Prerequisites: BSC1010c & CHM2045/2045L

FOS4041 3 Food Science and Composition  
Prerequisites:FSS1202, FSS1202L, CHM2045/2045L  
Corequisite: FOS4041L

FOS4041L 1 Food Science Lab  
Prerequisites: FSS1202, FSS1202L, CHM2045/2045L  
Corequisite: FOS4041

HSA3111 3 Intro to Health Administration

DIE3213 3 Nutrition Therapy I  
Prerequisites:HUN2201, BSC2085c, BSC2086c, CHM2045/2045L, FSS1202,  
FSS1202L, BCH3023c, & HUN3403

DIE4122 3 Management Of Food/Nutrition I  
Prerequisites:HUN2201, FSS1202, FSS1202L ACG2021, & MCB2010c

FSS4230 2 Quantity Food Preparation  
Prerequisites:FSS1202, FSS1202L, CHM2045/2045L & MCB2010c  
Corequisite: FSS4230L

FSS4230L 1 Field Exp-Food Qty Preparation  
Prerequisites:FSS1202, FSS1202L, CHM2045/2045L & MCB2010c  
Corequisite: FSS4230

DIE3246 3 Nutrition Therapy II  
Prerequisite: DIE3213

DIE4125 3 Management Food/Nutrition II  
Prerequisite:DIE4122

DIE4123 1 Qual Control: Food/Nutrition  
Prerequisite:HUN2201

HSA3160 3 Health Care Marketing

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Health Administration  
Degree: Bachelor of Health Admin.

### Prerequisites (15 credits)

Must be completed with a grade of "C" or higher

ACG2021 3 Prin of Financial Accounting

ACGX021, ACGX024 or ACGX001 and ACGX011 are acceptable substitutes for ACG2021.

ACG2071 3 Prin Managerial Accounting

ACGX071 and ACGX301 are acceptable substitutes for ACG2071.

ECO2023 3 Principles of Microeconomics

STA2023 3 G(M) Elem Statistics-Business

SELECT ONE COMPUTER APPLICATIONS COURSE

CGSX061, CGSX100 and ISMX000 are acceptable substitutes for the CGS requirement. Recommend CGS 1100 or CGS 1570

### Major Requirements (42 credits)

Must be completed with a grade of "C" or higher

The Health Administration Course Offering Guide is available in the Advising Office and online at [www.unf.edu/brooks](http://www.unf.edu/brooks).

HSC3500 3 Epidemiology

HSA3111 3 Intro to Health Administration

HSA4111 3 U.S. Health Care System

MAN3025 3 Administrative Management

HSA4553 3 Health Law and Ethics

HSA3160 3 Health Care Marketing

HSA3191 3 Health Information Systems I

HSA3210 3 Long Term Care Administration

HSA4170 3 Health Care Finance

Prerequisite: ACG2021

HSA3383 3 Quality Mangement Healthcare

HSC3120 3 Consumer Issues in Healthcare

HSA4150 3 Introduction to Health Policy

MAN4301 3 Human Resource Management

Prerequisite: MAN3025

HSA4922 3 Capstone: Health Admin

Prerequisites: HSA3111, HSA4111, HSA4553, and HSA4170.

Must be completed prior to Internship

## Internships (6 credits)

- HSA4850, HSA4941, or HSA4970 must be completed in the last academic semester of enrollment.
- Students must meet with an academic advisor the semester prior to HSA 4850 Health Administration Internship (6 semester hrs) to verify academic eligibility clearance. Students must meet with the health administration internship coordinator to determine placement site clearance.
- All program pre-requisites and major requirements must be completed prior to Internship or Senior Project.
- Only Elective courses may be taken with Internship (up to two with HSA4850; only one with HSA4941). You must petition to take coursework with Internship.
- HSA 4941 Long Term Care Internship (9 semester hrs) requires approval from the program director & facility administrator and is available Fall and Spring terms only.
- HSA 4970 Senior Project (6 semester hrs) is only available to students with significant administrative or management experience in the health field. Program director approval is required.

SELECT ONE COURSE FROM THE FOLLOWING:

- HSA 4850 6.0 Health Administration Internship
- HSA 4941 9.0 Long Term Care Administration Internship
- HSA 4970 6.0 Senior Project

## Major Electives (12 credits)

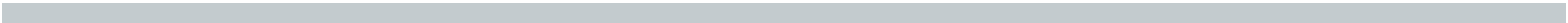
Must be completed with a grade of "C" or higher.

- Students completing the 6 semester hour Health Administration Internship (HSA 4850) or the 6 semester hour Senior Project (HSA 4970) must take 12 semester hours of electives (total 4 courses). Electives must be selected from the following list. Any substitutions require Program Leader approval.
- Students applying for the Long Term Care Internship (HSA 4941) must complete HSA 3154 and HSC 4563 in the Elective category below prior to the start of internship. Students completing the 9 semester hour Long Term Care Internship, take only 9 semester hours of electives (total 3 courses).

SELECT 4 COURSES FROM THE FOLLOWING:

- HSA3154 Aging Policy and Politics
- HSC4563 Dimensions of Health for the Older Adult
- HSA3109 Foundations of Managed Care
- HSA4955 Study Abroad in Health
- HSC3523 History: Medicine/Disease
- HSC3564 Aging in America
- HSC3555 Human Diseases: Patho, Prevention, & Treatment  
(Prereqs: BSC2085c/2086c - Anatomy & Physiology I & II)
- HSC4150 Substance Abuse and Violence Prevention
- HSC4572 Nutrition and Health
- HSC4730 Research in Community Health  
(Prereq: STA2014 or STA2023 - Elementary Statistics)
- HSC4652 Healthcare Ethics and Cultural Diversity
- HSA4905 Independent Study
- POS4167 Urban Policy and Planning
- POS4233 Public Opinion/Interest Group

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Nursing-RN  
Degree: BS in Nursing

Prerequisites (31 credits)

Must be completed with a grade of "C" or higher

SYG2000 3 Introduction to Sociology

SYGX000, SYGX010, SYGX013 or any Introduction to Sociology may substitute for SYG2000.

PSY2012 3 Introduction to Psychology

PSYX012, SOPX004 or any General Psychology may be substituted for PSY 2012

DEP3054 3 Lifespan Developmental Psych

DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.

STA2014 3 G(M)Elem Statistics-Health/SS

STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.

HUN2201 3 Basic Prin Human Nutrition

NURX192 or any Human Nutrition course may be substituted for HUN 2201.

MCB2010C 4 Microbiology

MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.

BSC2085C 4 Human Anatomy and Physiology I

BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.

BSC2086C 4 Human Anatomy & Physiology II

BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.

CHEMISTRY General Chemistry I with Lab

CHM2045/2045L

CHMXXX must be comprehensive College General Chemistry such as CHMX030/X030L or CHMX032) but not lower level principles courses (such as CHMX025)

Major Requirements (31 credits)

Must be completed with a grade of "C" or higher

- An academic advisor will review contents of the Curriculum Transition Packet (CTP) with student at the initial advising appointment. CT packets should be completed by the fourth week of the semester prior to registering for nursing curriculum (NUR course work). Students must meet with the RN-BSN coordinator the semester prior to registering for courses in the nursing program to discuss course sequencing and scheduling information. A minimum 2.9 cumulative GPA is required for admission and enrollment in the RN-BSN track.

NUR3065L 3 Health Assessment  
NUR3166 1 Nursing Science I  
NUR3619 4 Family/Community Assessment  
NUR3082C 4 Transition Concepts/Practice  
NUR3167 2 Nursing Science II  
NUR4826 2 Applied Nursing Ethics  
NUR4827 3 Leadership/Mgmt in Nursing  
NUR4168 1 Nursing Science III  
NUR4636C 5 Comm Partnerships/Nur Practice  
NUR4945C 6 Profession Nursing Integration

### NCLEX Validation Credit (30 credits)

Thirty hours of Nursing Validation Credits are awarded in the student's last semester of enrollment in the BSN. These 30 hours are awarded based upon validation of previous nursing knowledge through satisfactory completion of NCLEX examination within two years of enrollment in the RN-BSN. Other methods for awarding of 30 hours of validation credits are available.

NUR3000X

### Electives (3 credits)

Must be completed with a grade of "C" or higher.

SELECT One Course with HSC/HSA/NUR

Nursing, Health Science, or Health Administration Elective must be taken at the 3000 or 4000 level with an HSC, HSA, or NUR prefix.

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Health Science  
Concentration: Community Health  
Degree: Bachelor of Science in Health

#### Prerequisites (25 credits)

Must be completed with a grade of "C" or higher

PSY2012 3 Introduction to Psychology

MAC1105 3 G(M) College Algebra

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).

MCB2010C 4 Microbiology

MCB X010C or any Microbiology

BSC2085C 4 Human Anatomy and Physiology I

BSX X085C or any Human Anatomy and Physiology I course

BSC2086C 4 Human Anatomy & Physiology II

BSC X086C or any Human Anatomy and Physiology II course

#### Requisites (3 credits)

Must be completed with a grade of "C" or higher

HSC2100 3 Personal Health Issues/Probs

#### Core Requirements (12 credits)

Must be completed with a grade of "C" or higher

HSC3500 3 Epidemiology

HSA4553 3 Health Law and Ethics

HSC4730 3 Research in Community Health

Prerequisite: STA2014 or STA2023

HSC3555 3 Human Diseases

Prerequisites: BSC2085c and BSC2086c

#### Major Requirements (18 credits)

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. You must also meet exemption for, or passed all sections of CLAST exam prior to internship. A minimum 2.0 UNF GPA is required prior to 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).

HSC3032 3 Foundations of Comm Health  
HSC3713 3 Plan and Eval Health Programs  
Prerequisites: HSC3032 and HSC4730

HSC3304 3 Instruct Methods in Health Edu  
Prerequisites: HSC3032 and HSC3713

HSC4800 3 Comm Health Pre-Internship

- Prerequisites: Completion of all program prerequisites.
- HSC4800 must be completed the semester prior to HSC4814.

HSC4814 1 -9 Community Health Internship

- 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

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 (12 credits)

Major Electives must be completed with a grade of "C" or higher at the 3000/4000 level.

SELECT 4 Courses with HSC/HSA Prefix

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Prelicensure Accel. Nursing  
Degree: BS in Nursing

Prerequisites (31 credits)

Must be completed with a grade of "C" or higher

- SYG2000 3 Introduction to Sociology  
SYGX000, SYGX010, SYGX013 or any Introduction to Sociology may substitute for SYG2000.
- PSY2012 3 Introduction to Psychology  
PSYX012, SOPX004 or any General Psychology may be substituted for PSY 2012
- DEP3054 3 Lifespan Developmental Psych  
DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.
- STA2014 3 G(M)Elem Statistics-Health/SS  
STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.
- HUN2201 3 Basic Prin Human Nutrition  
NURX192 or any Human Nutrition course may be substituted for HUN 2201.
- MCB2010C 4 Microbiology  
MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.
- BSC2085C 4 Human Anatomy and Physiology I  
BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.
- BSC2086C 4 Human Anatomy & Physiology II  
BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.
- CHEMISTRY General Chemistry I with Lab  
CHM2045/2045L  
CHMXXX must be comprehensive College General Chemistry such as CHMX030/X030L or CHMX032) but not lower level principles courses (such as CHMX025)

1st Semester (15 credits)

Summer semester



Must be completed with a grade of "C" or higher.

NUR3065L 3 Health Assessment  
NUR3619 4 Family/Community Assessment  
NUR3619L 2 Clinical Practicum I  
NUR3028L 2 Nursing Competencies  
NUR3128 4 Pathophysiology/Pharmacology

## 2nd Semester (18 credits)

Fall semester

Must be completed with a grade of "C" or higher.

NUR3536 4 Psych/Rehabilitative Nursing  
NUR3225 4 Adult Health Nursing  
NUR3816 4 Professional Nursing Concepts  
NUR3235L 6 Clinical Practicum II

## 3rd Semester (13 credits)

Spring semester

Must be completed with a grade of "C" or higher.

NUR3167 2 Nursing Science II  
NUR4465 2 Women Health/Pediatric Nursing  
NUR4636 3 Community Partnerships  
NUR4828 2 Role Transition  
NUR4466L 4 Clinical Practicum III

## 4th Semester (5 credits)

Summer semester

Must be completed with a grade of "C" or higher.

NUR4168 1 Nursing Science III  
NUR4945L 4 Directed Clinical Study

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Health Science  
Concentration: Exercise Science  
Degree: Bachelor of Science in Health

Prerequisites (27 credits)

Minimum grades of B in MAC1105, CHM2045c, BSC2085c and BSC2086c are required for admission. Remaining prerequisites must be completed with a grade of C or higher.

BSC2085C 4 Human Anatomy and Physiology I  
BSCX085/X085L, PETX322/X322L, and APKX100C are acceptable substitutes for BSC2085c.

BSC2086C 4 Human Anatomy & Physiology II  
BSCX086/X086L, PETX323/X323L, and APKX105/X105L are acceptable substitutes for BSC2086c.

MAC1105 3 G(M) College Algebra  
MACX105, MACX140, MACX147 and MACX311 are acceptable substitutes for MAC1105.

CHEMISTRY General Chemistry I with Lab  
CHMX045/X045L and CHMX030 are acceptable substitutes for General Chemistry I with lab requirement.

STA2023 3 G(M) Elem Statistics-Business  
STAX023, STAX030 and MACX147 are acceptable substitutes for STA2023.

PSY2012 3 Introduction to Psychology  
HUN2201 3 Basic Prin Human Nutrition  
HUNX201, HUNX577 and HSCX100 are acceptable substitutes for HUN2201.

SPC2608 3 Fundamentals of Speech  
SPCX600 and AEEX030c are acceptable substitutes for SPC2608.

Core Requirements (12 credits)

Must be completed with a grade of "C" or higher

HSC3500 3 Epidemiology  
HSA4553 3 Health Law and Ethics  
HSC3555 3 Human Diseases  
Prerequisites: BSC2085c and BSC2086c

RESEARCH SELECT ONE

- PET4625 - Research in Sports Medicine (recommended)
- HSC4730 - Research in Community Health (an option only when PET4625 is not offered. Prerequisite: STA2014 or STA2023)

## Major Requirements (39 credits)

All General Education, CLAS, Foreign Language, Prerequisite, Major, and Elective 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 Course Offering Guide is available in the Advising Office and online at [www.unf.edu/brooks](http://www.unf.edu/brooks).

HSC4612 3 Exercise Physio For Health Sci

Recommended prerequisites: BSC2085c & BSC2086c

HSC4615L 3 Lab Meth Ex Phys Hlth Sci

Co-requisite: HSC4612

HUN4414 3 Sports Nutrition

PET4550 3 Physical Fitness Assessment

Prerequisite: HSC4612

PET3311 3 Kinesiology and Motor Behavior

Prerequisite: BSC2085c

- Effective summer 2010, PEM3930/PET3325 - Functional Anatomy and Kinesiology course must be taken in place of PET3311 course.

PET3312C 3 Biomechanics

Prerequisites: BSC2085c & BSC2086c

PET3080 3 Physical Activity Epidemiology

Effective spring 2009, course title changed to Physical Activity and Epidemiology

PET3620 3 Introduction Athletic Injuries

APK4120C 3 Clinical Exercise Physiology

Prerequisites: HSC4612, HSC4615L, & PET3080

PEP4135 3 Princ Strength/Conditioning

Prerequisites: HSC4612 & PET3312c

PET4943 3 Pre Internship Ex Sci

- Must be completed in the semester immediately preceeding PET4942 - Internship.

PET4942 6 Internship in Exercise Science

- Must be completed in the last academic semester of enrollment.

## Free Electives (9 credits)

Major Electives must be completed with a grade of "C" or higher.

- If you are considering a Doctor of Physical Therapy (DPT), consider taking prerequisites required for the DPT program (<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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Nursing  
Concentration: Prelicensure Nursing  
Degree: BS in Nursing

Prerequisites (31 credits)

Must be completed with a grade of "C" or higher

- SYG2000 3 Introduction to Sociology  
SYGX000, SYGX010, SYGX013 or any Introduction to Sociology may substitute for SYG2000.
- PSY2012 3 Introduction to Psychology  
PSYX012, SOPX004 or any General Psychology may be substituted for PSY 2012
- DEP3054 3 Lifespan Developmental Psych  
DEPX004, DEPX054, DEPX000, DEPX414, or any Human Growth and Development across the Life Span may be substituted for DEP3054.
- STA2014 3 G(M)Elem Statistics-Health/SS  
STAX014, STAX023, STAX122, STAX022, or any Statistic course maybe be substituted for STA 2014.
- HUN2201 3 Basic Prin Human Nutrition  
NURX192 or any Human Nutrition course may be substituted for HUN 2201.
- MCB2010C 4 Microbiology  
MCBX010/X010L, MCBX013c, MCBX013/X013L, MCBX000/X000L, MCBX004/X004L, or any Microbiology with lab may be substituted for MCB 2010C.
- BSC2085C 4 Human Anatomy and Physiology I  
BSCX085/X085L, BSCX093c, BSCX093/X093L, or any Human Anatomy and Physiology I or Human Anatomy.
- BSC2086C 4 Human Anatomy & Physiology II  
BSCX086/X086L, BSCX094c, BSCX094/X094L, or any Human Anatomy and Physiology II or Human Physiology.
- CHEMISTRY General Chemistry I with Lab  
CHM2045/2045L  
CHMXXX must be comprehensive College General Chemistry such as CHMX030/X030L or CHMX032) but not lower level principles courses (such as CHMX025)

1st Semester (13 credits)

Summer or Fall semester

Must be completed with a grade of "C" or higher.

NUR3065L 3 Health Assessment  
NUR3825 2 Socialization Prof Nursing  
NUR3619 4 Family/Community Assessment  
NUR3166 1 Nursing Science I  
NUR3026L 1 Nursing Therapeutics I  
NUR3118L 2 Clinical Nursing Practice

## 2nd Semester (13 credits)

Fall or Spring semester

Must be completed with a grade of "C" or higher.

NUR3535C 8 Psych/Rehabilitative Nursing  
NUR3128 4 Pathophysiology/Pharmacology  
NUR3027L 1 Nursing Therapeutics II

## 3rd Semester (13 credits)

Spring or Fall semester

Must be completed with a grade of "C" or higher.

NUR3167 2 Nursing Science II  
NUR3255C 9 Adult Health Concepts/Practice  
NUR4826 2 Applied Nursing Ethics

## 4th Semester (13 credits)

Fall or Spring semester

Must be completed with a grade of "C" or higher.

NUR4827 3 Leadership/Mgmt in Nursing  
NUR4465C 7 Women Health/Pediatric Nursing  
SELECT ONE NURSING/HLTH SCI ELECTIVE

## 5th Semester (12 credits)

Spring or Summer semester

Must be completed with a grade of "C" or higher.

NUR4168 1 Nursing Science III  
NUR4636C 5 Comm Partnerships/Nur Practice  
NUR4945C 6 Profession Nursing Integration

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Health Education (18 credits)

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.

PET3080 3 Physical Activity Epidemiology

Prerequisite: HSC3500 - Epidemiology

HSC4133 3 Sexuality Education

HSC4134 3 Mental/Emotional Health Ed

HSC4150 3 Subst Abuse/Violence Prevent

HSC4563 3 Dimensions of Hlth Older Adult

HSC4572 3 Nutrition and Health

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Public Health (15 credits)

HSC3500 3 Epidemiology

HSA4111 3 U.S. Health Care System

**SELECT THREE ELECTIVES**

3000/4000 level Health Courses related to the student's area of interest in consultation with an academic advisor. Select courses with the following prefixes:

- HSC/HSA/PET/PEM/DIE/HUN

Permalink:





UNDERGRADUATE CATALOG 2009-2010

## 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 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

Acceptable substitute: STAX023, or STAX122 or QMBX100

#### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAN3504 3 Operations Management

MAR3023 3 Principles of Marketing

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

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 3 Intermediate Accounting I  
ACG3113 3 Intermediate Accounting II  
ACG3123 3 Intermediate Accounting III  
ACG4361 3 Cost Accounting  
ACG4401 3 Accounting Information Systems  
TAX3001 3 Federal Income Tax  
ACG4651 3 Auditing  
SELECT one elective course @ 3 credit  
ACG or TAX (3000 - 4000 level) excluding TAX3721

### Business Electives (3 credits)

3 semester hours required.

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.

ECO3203 3 Intermediate Macroeconomics  
ECO3411 3 Business/Economic Statistics

### Non-Business Requirements (6 credits)

6 Semester hours are required. The Cultural Diversity course should be chosen from  
the list at: <http://www.unf.edu/coggin/academic/cultural-diversity.htm>

SPC4064 3 Public Speaking Professionals

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 in all prerequisites.

ACG2021 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060,  
CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

Acceptable substitute: STAX023, STAX122 or QMBX100

#### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAN3504 3 Operations Management

MAR3023 3 Principles of Marketing

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

You must pre-apply at [www.unf.edu/coggin](http://www.unf.edu/coggin) for MAN4720

#### Major Requirements (27 credits)

This program requires 27 hours in the major. C or better is required in all major courses.

FIN3303 3 Financial Institutions  
(formerly FIN3233)

FIN4504 3 Investments

FIN4604 3 International Finance

ISM4011 3 Intro Management Info Systems

TAX3721 3 Tax Plan in Financial Decisions

FIN4514 3 Securities Analysis/Portf Mgmt

RMI4135 3 Employee Benefit Plans

(RMI4135 - to be taken in Spring semester)

RMI3011 3 Risk Management and Insurance

FIN4132 3 Estate Planning

### Required Business (6 credits)

Six semester hours are required.

ECO3203 3 Intermediate Macroeconomics

ECO3411 3 Business/Economic Statistics

### Non-Business Requirements (6 credits)

6 Semester hours are required. The Cultural Diversity course should be chosen from the list at: <http://www.unf.edu/coggin/academic/cultural-diversity.htm>

SPC4064 3 Public Speaking Professionals

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## 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 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060,  
CGSX531, CGSX000, CGSX100C or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

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. \* 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAR3023 3 Principles of Marketing

MAN3504 3 Operations Management

MAN4720 3 Strategic Mgmt Business Policy

#### Major Requirements (27 credits)

27 semester hours are required. Grade of "C" or better required in all major courses.

ISM4011 3 Intro Management Info Systems

MAN4201 3 Organization Theory

MAN4240 3 Organizational Behavior

MAN4301 3 Human Resource Management  
MAN4550 3 Introduction to Mngmt Science  
MAN4583 3 Project Management  
MAN4600 3 International Management  
CHOOSE one Management course  
4000 level Management 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 MAN electives.

### Business Electives (9 credits)

9 semester hours are required. A grade of "C" or better is required in all courses in this area.

CHOOSE\* One Economics course

ECO3101, ECO3203, ECO3704, ECO3411, ECP3203, or ECP3703

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/services/cultural\\_diversity.html](http://www.unf.edu/coggin/services/cultural_diversity.html)

SPC4064 3 Public Speaking Professionals

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: International Business Degree: Bachelor of Business Admin.

### Prerequisites (21 credits)

21 semester hours are required. Grade of C or better is required in all prerequisites.

ACG2021 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

Acceptable substitute: STAX023, STAX122 or QMBX100

### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAN3504 3 Operations Management

MAR3023 3 Principles of Marketing

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

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 study abroad program.
- Successful participation in a student exchange program abroad.
- studying another language abroad.  
IB majors must apply for a passport in 1st semester.

ECO3704 3 International Trade  
FIN4604 3 International Finance  
MAN4600 3 International Management  
MAR4156 3 International Marketing

### Major Electives (3 credits)

(ECO3701 & GEO3553 are specifically excluded)

SELECT 1 course from list

ACG4251, ACG4956, BUL4322, ECO4713, ECO4723, ECO4956, ECS3013,  
ECS3403, ECS3303, FIN4956, FRE3440, GEB4956, GEO3502, MAN4064,  
MAN4654, MAN4956, MAR4956, SPN3013, TAX4901, TRA4721, or TRA4956

### Internships (3 credits)

Internship must be completed before final semester.

GEB3361 3 Int'L Business Internship

### Requisites (6 credits)

Select two foreign language courses at the intermediate level or above. Both courses must be in the same language.

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.

ISM4011 3 Intro Management Info Systems

SELECT Select one course

ECO3411 or MAN4550 (Formerly QMB4900)

### Non-Business Requirements (3 credits)

SPC4064 3 Public Speaking Professionals

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/academic/regional-studies.htm>

ASIAN Studies option

EUROPEAN Studies option

LATIN AMER Studies Option

MID EAST 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

EXPERIENCE International

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1000

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UNDERGRADUATE CATALOG 2009-2010

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 3 Prin of Financial Accounting  
acceptable substitute: ACGX021

ACG2071 3 Prin Managerial Accounting  
acceptable substitute: ACGX071

CGS1100 3 Computer Applications for Busi  
acceptable substitute: CGSXXXX

ECO2013 3 Principles of Macroeconomics  
acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics  
acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business  
acceptable substitute: MACX233

STA2023 3 G(M) Elem Statistics-Business  
acceptable substitute: STAX023

### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAR3023 3 Principles of Marketing

MAN3504 3 Operations Management

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

You must pre-apply at [www.unf.edu/coggin](http://www.unf.edu/coggin) for MAN4720

### Major Requirements (21 credits)

21 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 3 Intermediate Macroeconomics

ECO3101 3 Intermediate Microeconomics

ECO3421 3 Econometrics

CHOOSE one course

ECO3704 International Trade or ECO4713 International Monetary Systems

CHOOSE three courses

ECO/ECP/ECS/GEO/GIS (3000 - 4000 level) Excluding ECO3632, ECO3701, and 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 3 Intro Management Info Systems

### 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/services/cultural\\_diversity.html](http://www.unf.edu/coggin/services/cultural_diversity.html)

SPC4064 3 Public Speaking Professionals

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

EXPERIENCE International

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## 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 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

Acceptable substitute: STAX023, STAX122 or QMBX100

#### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAN3504 3 Operations Management

MAR3023 3 Principles of Marketing

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

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, & MAR4156.

MAR4156 3 International Marketing

MAR4503 3 Consumer Behavior

MAR4613 3 Marketing Research Information

MAR4803 3 Strategic Marketing

CHOOSE one Marketing course

3000 - 4000 level Marketing with a MAR prefix

SELECT another Marketing Course

3000 - 4000 level Marketing course with a MAR prefix

### Required Business (15 credits)

ISM4011 3 Intro Management Info Systems

SELECT One quantitative course

Either ECO3411 or MAN4550 (formerly QMB4600) ECO3411 can only be used once in this program

SELECT1 Select one ECON. course

ECO3101, ECO3203, ECO3411, ECO3704, ECP3203, or ECP3703

CHOOSE two Non-market'g Bus. Elective

3000 or 4000 level from: ACG/BUL/ECO/ECP/ECS/FIN/GEB/GEO

MAN/QMB/REE/RMI/TAX/TRA

### Non-Business Requirements (6 credits)

6 Semester hours are required. The Cultural Diversity course should be chosen from the list at: <http://www.unf.edu/coggin/academic/cultural-diversity.htm>

SPC4064 3 Public Speaking Professionals

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## 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 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060, CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

Acceptable substitute: STAX023, STAX122 or QMBX100

### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAN3504 3 Operations Management

MAR3023 3 Principles of Marketing

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

You must pre-apply at [www.unf.edu/coggin](http://www.unf.edu/coggin) for MAN4720

### Major Requirements (12 credits)

12 semester hours required. Grade of "C" or better required.

FIN3303 3 Financial Institutions  
(formerly FIN3233)  
FIN4504 3 Investments  
FIN4604 3 International Finance  
ISM4011 3 Intro Management Info Systems

## Electives (15 credits)

15 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. The courses listed below are suggested electives that are relevant for students who might want to pursue careers in the following areas:

### GENERAL Finance

Option 1 - Take any combination of:

- FIN (3000 to 4000 level)
- REE (3000 to 4000 level)
- RMI (3000 to 4000 level)

### CORPORATE Financial Management

Option 2 - take all of these courses:

- FIN4414 Financial Management II
- ACG3103 Intermediate Accounting I
- ACG4361 Cost Accounting
- FIN4461 Financial Statement Analysis
- RMI4135 Employee Benefit Planning

### INVESTMENT .

Option 3 - take all of these courses

- FIN4514 Security Analysis/Portfolio Mgmt
- FIN4557 Behavior Finance
- FIN4461 Financial Statement Analysis
- REE4043 Real Estate Analysis
- FIN4533 Derivatives

### REAL ESTATE

Option 4 - take all of these courses:

- REE4043 Real Estate Analysis
- REE4303 Real Estate Finance/Investment
- FIN (3000 - 4000 level) 3 to 9 credits
- REE (3000 - 4000 levels) 3 to 9 credits
- RMI (3000 - 4000 levels) 3 to 9 credits

## Required Business (6 credits)

6 semester hours are required.

ECO3203 3 Intermediate Macroeconomics  
ECO3411 3 Business/Economic Statistics

## Non-Business Requirements (6 credits)

6 Semester hours are required. The Cultural Diversity course should be chosen from the list at: <http://www.unf.edu/coggin/academic/cultural-diversity.htm>

SPC4064 3 Public Speaking Professionals

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

Permalink:







UNDERGRADUATE CATALOG 2009-2010

## 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 3 Prin of Financial Accounting

Acceptable substitute: ACGX021, ACGX022 or (ACGX001 & ACGX011)

ACG2071 3 Prin Managerial Accounting

Acceptable substitute: ACGX071 or ACGX301

CGS1100 3 Computer Applications for Busi

Acceptable substitute: CGSX100, CGSX530, CGSX570, CGSX060,  
CGSX531, CGSX000, or ISMX000 (or demonstrated competency)

ECO2013 3 Principles of Macroeconomics

Acceptable substitute: ECOX013

ECO2023 3 Principles of Microeconomics

Acceptable substitute: ECOX023

MAC2233 3 G(M)Calculus for Business

Acceptable substitute: MACX233 or MACX230

STA2023 3 G(M) Elem Statistics-Business

Acceptable substitute: STAX023, STAX122 or QMBX100

### Core Requirements (21 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 3 Legal Environment of Business

FIN3403 3 Financial Management

MAN3025 3 Administrative Management

MAN3504 3 Operations Management

MAR3023 3 Principles of Marketing

SOP3004 3 Social Psychology

MAN4720 3 Strategic Mgmt Business Policy

You must pre-apply at [www.unf.edu/coggin](http://www.unf.edu/coggin) for MAN4720

### Major Requirements (21 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.\*

ISM4011 3 Intro Management Info Systems  
Starting Fall 2008 QMB4600 is replaced by MAN4550

MAN4550 3 Introduction to Mngmt Science  
Starting Fall 2008 QMB4600 is replaced with MAN4550

TRA3035 3 Foundations of Transportation  
TRA4155 3 Supply Chain Management  
TRA4202 3 Logistics Systems Management  
TRA4210 3 Logistics Subsystems Analysis  
SELECT One course  
MAN4401, MAR4461, TRA4139, TRA4721 (offered in Fall only), or TRA4945

### Required Business (12 credits)

12 semester hours are required. (ECO3703/3704 can only be counted once)

ECO3411 3 Business/Economic Statistics  
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. The Cultural Diversity course should be chosen from the list at: <http://www.unf.edu/coggin/academic/cultural-diversity.htm>

SPC4064 3 Public Speaking Professionals  
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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Business Administration (30 credits)

This minor is available for all majors where allowed. A grade of "C" or better is required for all minor courses.

#### 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 3 Financial Management

MAN3025 3 Administrative Management

SELECT 2 courses from list:

- BUL 3130 Legal Enviroment of Business
- MAN 3504 Production/Operations and Logistics
- MAR 3023 Principles of Marketing

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UNDERGRADUATE CATALOG 2009-2010

## Minor: Finance (36 credits)

This minor is available only to students majoring in Business. 15 semester hours are required, 9 of which must be taken at UNF. A grade of "C" or better is required.

### 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

### 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 Benefit 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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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.

#### PREREQS Economics

- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

ECO3101 3 Intermediate Microeconomics

ECO3203 3 Intermediate Macroeconomics

SELECT 1 course from list

- ECO 3411 Business/Economic Statistics
- ECO 3421 Econometrics

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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 3 Physical Geography  
GEO2420 3 CD- Cultural Geography  
GIS3043 3 Introduction to GIS  
CHOOSE one course  
GEO3502 or GEO3553

SELECT one course  
GEO3372, GIS4048, ANT4492, INR4603, GEO4956, ECO4956, ACG4956,  
FIN4956, MAN4956, MAR4956, TRA4956 or TAX4956

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Minor: Entrepreneurship (24 credits)

This minor is available to all majors if allowed by college. Conditions for Minor:

- Students must take a minimum of 12 hours of upper-level course work in Entrepreneurship at UNF.
- A grade of "C" or better is required for all minor courses, including prerequisites.

### PREREQS Entrepreneurship

- FIN 3403 Financial Management
- MAN 3025 Administrative Management
- MAR 3023 Principles of Marketing

### GEB4113 3 Entrepreneurship

SELECT 1 course 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

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UNDERGRADUATE CATALOG 2009-2010

### Minor: International Business (15 credits)

This minor is available only to students majoring in Business. The minor requires 15 semester hours of which 9 must be taken at UNF. A grade of C or better is required in all courses.

#### MINOR Requirements

A student must take:

- ECO 4704 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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

## Major: Anthropology

### Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of "C" or above.

TAKE 2 INTRO ANTHRO. (1000/2000)

- ANT

#### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

#### Major Requirements (18 credits)

- The courses in the this Area are usually offered Fall & Spring. Grades of "C" or higher required in all courses.

ANT3933 3 Seminar in Anthropology  
Fall semester of junior year

ANT3610 3 Linguistic Anthropology  
Fall semester of junior year

ANT3514 3 Princ of Physical Anthropology  
Spring semester of senior year

ANT4034 3 Survey of Anthro Theories  
Fall semester of senior year

ANT4115 3 Archaeological Res Strategy  
Spring semester of senior year

SELECT 1 FROM THE FOLLOWING:

- ANT 4083 Quantitative Methods in Anthropology
- ANT 4801 Ethnographic Methods

## Major Electives (18 credits)

Grades of C or higher required in all major electives.

SELECT 6 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 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

## 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 a minor.)

## Free Electives (1 credits)

ELECTIVES 1 HR @ 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

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UNDERGRADUATE CATALOG 2009-2010

Major: Music Jazz Studies  
Degree: Bachelor of Music

Freshman Year Fall Semester (11 credits)

Jazz guitar majors take only 2 jazz ensembles and 6 jazz guitar ensembles.

MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MV- 1XXX Applied Music  
MUN2123 Concert Band  
MVK1111 1 Class Piano I

\*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 1 Jazz Ensemble-Lower Level  
MUT1361 2 Jazz Fundamentals I  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance

Freshman Year Spring Semester (11 credits)

MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MV- 1XXX Applied Music  
MUN2123 Concert Band  
MVK1112 1 Class Piano II

\*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 1 Jazz Ensemble-Lower Level  
MUT1362 2 Jazz Fundamentals II  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance

Sophomore Year Fall Semester (11 credits)

MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MV- 2XXX Applied Music  
MUN2710 1 Jazz Ensemble-Lower Level  
MVK2121 1 Class Piano III

\*Students may take a piano proficiency test to waive class piano sequence.

MUT3641 2 Jazz Improvisation I  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MVJ1010 1 Jazz Piano I

## Sophomore Year Spring Semester (11 credits)

MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MV- 2XXX Applied Music  
MVK2122 1 Class Piano IV

\*Students may take a piano proficiency test to waive class piano sequence.

MUN2710 1 Jazz Ensemble-Lower Level  
MUT3642 2 Jazz Improvstn II  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MVJ1210 1 Jazz Piano II

## Junior Year Fall Semester (15 credits)

MUN4714 1 Jazz Combo (Small Group)  
MUN3713 1 Jazz Ensemble  
MV- 3XXX Applied Music  
MUT3643 2 Jazz Improvisation III  
MUH3211 3 Music History I  
MUT4365 3 Jazz Arranging I  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUM3701 3 The Music Business

## Junior Year Spring Semester (12 credits)

The department recommends taking a Cultural Diversity for General Education requirements.

MUN4714 1 Jazz Combo (Small Group)  
MUN3713 1 Jazz Ensemble  
MV- 3XXX Applied Music  
MUT3644 2 Jazz Improvisation Iv  
MUH3212 3 Music History II  
MUT4366 3 Jazz Arranging II  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance

## Senior Year Fall Semester (12 credits)

The department recommends taking a Natural Science with lab for General Education Requirements.

MV- 4XXX Applied Music  
MUT4663 2 Jazz Styles and Analysis I  
MUG3104 2 Basic Conducting  
MUS3340 2 Computer Midi Score  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
SELECT 3 HRS MUSIC ELECTIVES

- 3000/400 Level
- MUS MUT MUN MUE MUG MUO MUH MUM MVB MVJ MVK MVS  
MVV MVW

MUN3713 1 Jazz Ensemble

## Senior Year Spring Semester (8 credits)

The department recommends taking a Natural Science and Philosophy for General Education requirements.

MV- 4XXX Applied Music  
MUT4664 2 Jazz Styles and Analysis II  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS4970 0 Senior Recital

SELECT 4 HRS OF MUSIC ELECTIVES

- 3000/400 Level
- MUS MUT MUN MUE MUG MUO MUH MUM MVB MVJ MVK MVP  
MVS MVV MVW

Permalink:



UNF CATALOG 2009-2010

Major: Art  
Concentration: Art History  
Degree: Bachelor of 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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202

ART1300C 3 Drawing I

ART2301C 3 Drawing II

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

1000/2000 Level

- ART

#### Major Requirements (21 credits)

All art requirements and art electives must be completed with grades of "C" or higher.

PGY2401C 3 Black and White Photography

SELECT 1 ART HISTORY FROM

ARH 4800 Aesthetics of Art

Or

Another Art History elective (3000/4000)

ARH

SELECT 5 ARH COURSES (3000/4000)

#### Major Electives (9 credits)

Students may not take independent study courses without the prior written approval of the department chair

SELECT 3 ART ELECTIVES (3000/4000)

- ARH ART PGY

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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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)

### ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Music Performance  
Concentration: Music-Classical Piano  
Degree: Bachelor of Music

Freshman Year Fall Semester (7 credits)

MUN2310 1 UNF Chorale (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1311 2 Applied Piano

Freshman Year Spring Semester (7 credits)

MUN2310 1 UNF Chorale (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1311 2 Applied Piano

Sophomore Year Fall Semester (8 credits)

MUN2310 1 UNF Chorale (Lower)  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MVK2321 2 Applied Piano

Sophomore Year Spring Semester (8 credits)

MUN2310 1 UNF Chorale (Lower)  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MVK2321 2 Applied Piano

Junior Year Fall Semester (14 credits)



MUG3104 2 Basic Conducting  
MUH3211 3 Music History I  
MUL4400 2 Piano Literature I  
MUN2510 1 Piano Accompanying  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MVK3331 2 Applied Piano  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

### Junior Year Spring Semester (15 credits)

CHOOSE 3 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUH3212 3 Music History II  
MUL4401 2 Piano Literature II  
MUN2510 1 Piano Accompanying  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MVK3331 2 Applied Piano  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

### Senior Year Fall Semester (13 credits)

MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS3340 2 Computer Midi Score  
MUT3611 3 Form and Analysis  
MVK3631 2 Piano Pedagogy I  
MVK4341 2 Applied Piano  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

### Senior Year Spring Semester (15 credits)

CHOOSE 6 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUH2501 3 World Music  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS4970 0 Senior Recital  
MUT4650 2 Composition and Improvisation  
MVK3632 2 Piano Pedagogy II  
MVK4341 2 Applied Piano  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP





UNDERGRADUATE CATALOG 2009-2010

Major: Art  
Concentration: Ceramics  
Degree: Bachelor of 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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202

ART1300C 3 Drawing I

ART2301C 3 Drawing II

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

1000/2000 Level

- ART

#### Major Requirements (21 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. If a course is a prerequisite to 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 students who misses the first day without advanced notice to the department chair will be administratively withdrawn from the course.

Grades of C or above required for all major courses.

ART2330C 3 Figure Drawing I

Prereqs: ART 1300C & ART 2301C

ARH4800 3 Aesthetics of Art

ART3707C 3 Sculpture I

ART3786C 3 Ceramics

ART4965C 3 Fine Arts Portfolio

SELECT 2 ART HIST COURSES (3000/4000)

- ARH

## Major Electives (9 credits)

Ceramics majors must take Ceramics electives, while Sculpture majors must take Sculpture electives.

SELECT 2 COURSES FROM THE FOLLOWING:

- ART 3786C Ceramics
- ART 3765C Intermediate Ceramics
- ART 4768C Advanced Ceramics

SELECT 1 ART ELECTIVE (3000/4000)

- ART

Note: Students may not take any independent study courses in any fine arts area without the prior, written approval of the department chairperson.

## 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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Music Performance  
Concentration: Music-Classical Voice  
Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

MUN2310 1 UNF Chorale (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1111 1 Class Piano I  
\*Students may take a piano proficiency test to waive class piano sequence.  
MVV1311 2 Applied Voice

#### Freshman Year Spring Semester (8 credits)

MUN2310 1 UNF Chorale (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1112 1 Class Piano II  
\*Students may take a piano proficiency test to waive class piano sequence.  
MVV1311 2 Applied Voice

#### Sophomore Year Fall Semester (9 credits)

MUN2310 1 UNF Chorale (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS2241 1 Italian Diction  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MVK2121 1 Class Piano III  
\*Students may take a piano proficiency test to waive class piano sequence.  
MVV2321 2 Applied Voice

#### Sophomore Year Spring Semester (8 credits)

MUN2310 1 UNF Chorale (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance

MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MVK2122 1 Class Piano IV

\*Students may take a piano proficiency test to waive class piano sequence.

MVV2321 2 Applied Voice

### Junior Year Fall Semester (12 credits)

MUG3104 2 Basic Conducting  
MUH3211 3 Music History I  
MUN3313 1 UNF Chorale (Upper)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS2221 1 French Diction  
MVV3331 2 Applied Voice  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

### Junior Year Spring Semester (13 credits)

MUH3212 3 Music History II  
MUL4602 2 Vocal Literature  
MUN3313 1 UNF Chorale (Upper)  
MUO3503 1 Opera Workshop  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS2231 1 German Diction  
MVV3331 2 Applied Voice  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

### Senior Year Fall Semester (11 credits)

MUN3313 1 UNF Chorale (Upper)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS3340 2 Computer Midi Score  
MUT3611 3 Form and Analysis  
MVV4341 2 Applied Voice  
SELECT 3 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

### Senior Year Spring Semester (15 credits)

MUH2501 3 World Music  
MUN3313 1 UNF Chorale (Upper)  
MUO3503 1 Opera Workshop  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS4970 0 Senior Recital  
MUT4650 2 Composition and Improvisation  
MVV4341 2 Applied Voice  
MVV4640 2 Vocal Pedagogy  
SELECT 4 HOURS OF MUSIC ELECTIVES

- 3000/4000 Level
- MUT MUN MUE MUO MUH MVJ MVK MVS MVV MVW MVP

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UNDERGRADUATE CATALOG 2009-2010

## Major: Art

Concentration: Painting, Drawing, Printmaking

Degree: Bachelor of 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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202

ART1300C 3 Drawing I

ART2301C 3 Drawing II

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 (21 credits)

Requires grades of C or higher.

ART2330C 3 Figure Drawing I

ART2500C 3 Painting Fundamentals

ART3332C 3 Figure Drawing II

ART3560C 3 Figurative Painting

ART3504C 3 Painting Studio

ART4805C 3 Painting and Drawing Research

ART4965C 3 Fine Arts Portfolio

### Major Electives (9 credits)

Requires grades of C or higher.

SELECT 1 ART HISTORY

- ARH (3000/4000)

## SELECT 2 ART ELECTIVES

- ART (3000/4000)

### 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 a minor.)

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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.

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Music Performance  
Concentration: Music-Harp  
Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1111 1 Class Piano I  
\*Students may take a piano proficiency test to waive class piano sequence.  
MVS1315 2 Applied Harp I

#### Freshman Year Spring Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1112 1 Class Piano II  
\*Students may take a piano proficiency test to waive class piano sequence.  
MVS1315 2 Applied Harp I

#### Sophomore Year Fall Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MVK2121 1 Class Piano III  
\*Students may take a piano proficiency test to waive class piano sequence.  
MVS2325 2 Applied Harp II

#### Sophomore Year Spring Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance

MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MVK2122 1 Class Piano IV

\*Students may take a piano proficiency test to waive class piano sequence.

MVS2325 2 Applied Harp II

### Junior Year Fall Semester (15 credits)

MUG3104 2 Basic Conducting  
MUH3211 3 Music History I  
MUN3411 1 String Quartet  
MUN3498 1 Harp Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT3611 3 Form and Analysis  
MVS3335 2 Applied Harp III  
MVS3601 3 Harp Pedagogy

### Junior Year Spring Semester (15 credits)

CHOOSE 3 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUH3212 3 Music History II  
MUL4434 3 Harp Literature  
MUN3411 1 String Quartet  
MUN3498 1 Harp Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT4650 2 Composition and Improvisation  
MVS3335 2 Applied Harp III

### Senior Year Fall Semester (15 credits)

CHOOSE 3 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUH2501 3 World Music  
MUN3411 1 String Quartet  
MUN3498 1 Harp Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MVS3530 2 String Repertory I  
MVS4345 2 Applied Harp IV  
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 1 String Quartet  
MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS4970 0 Senior Recital  
MVS3531 2 String Repertory II

MVS4345 2 Applied Harp IV  
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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Art  
Concentration: Sculpture  
Degree: Bachelor of 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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202

ART1300C 3 Drawing I

ART2301C 3 Drawing II

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

1000/2000 Level

- ART

Major Requirements (21 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. If a course is a prerequisite to 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 students who misses the first day without advanced notice to the department chair will be administratively withdrawn from the course.

Grades of C or above required for all major courses.

ARH4800 3 Aesthetics of Art

ART2300C Figure Drawing

ART3707C 3 Sculpture I

ART3786C 3 Ceramics

ART4965C 3 Fine Arts Portfolio

SELECT 2 ART HIST COURSES (3000/4000)

- ARH

Major Electives (9 credits)

Ceramics majors must take Ceramics electives, while Sculpture majors must take Sculpture electives.

SELECT 2 COURSES FROM THE FOLLOWING:

- ART 3709C Sculpture Process
- ART 4710C Advanced Sculpture

SELECT 1 ART ELECTIVE (3000/4000)

- ART

Note: Students may not take any independent study courses in any fine arts area without the prior, written approval of the department chairperson.

## 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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Music Performance  
Concentration: Music-Strings  
Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1111 1 Class Piano I

\*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

#### Freshman Year Spring Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1112 1 Class Piano II

\*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

#### Sophomore Year Fall Semester (8 credits)

MUN3413 1 String Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory



MVK2121 1 Class Piano III

\*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

## Sophomore Year Spring Semester (8 credits)

MUN3413 1 String Ensemble

MUS1010 0 Performance Laboratory

MUS1011 0 Concert Attendance

MUT2117 3 Theory IV

MUT2247 1 Advanced Aural Theory

MVK2122 1 Class Piano IV

\*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

## Junior Year Fall Semester (14 credits)

SELECT 1 APPLIED (3000 LEVEL)

- MVS 3431 Applied Violin III
- MVS 3432 Applied Viola III
- MVS 3433 Applied Violoncello III
- MVS 3334 Applied String Bass III

MUG3104 2 Basic Conducting

MUH3211 3 Music History I

MUN3411 1 String Quartet

MUN3413 1 String Ensemble

MUS1010 0 Performance Laboratory

MUS1011 0 Concert Attendance

MVS3640 3 String Pedagogy

SELECT 1 ADVANCED MUSIC THEORY

- MUS 3340 Computer Midi Score
- MUT 3611 Form and Analysis
- MUT 4626 20th Century Music Theory
- MUT 4650 Composition/Improvisation
- MUT 4311 Orchestration

## 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

MUH3212 3 Music History II

MUL4420 3 String Chamber Music Literatur

MUN3411 1 String Quartet

MUN3413 1 String Ensemble

MUS1010 0 Performance Laboratory

MUS1011 0 Concert Attendance

SELECT 1 ADVANCED MUSIC THEORY

(Must be different from above selection)

- MUS 3340 Computer Midi Score
- MUT 3611 Form and Analysis
- MUT 4626 20th Century Music Theory
- MUT 4650 Composition/Improvisation
- MUT 4311 Orchestration

## Senior Year Fall Semester (12 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

CHOOSE 6 HRS OF FREE ELECTIVES

- 3000/4000 Level

\*Note: The Music Department recommends taking MVS 3530 String Repertory I as a free elective.

MUN3411 1 String Quartet

MUN3413 1 String Ensemble

MUS1010 0 Performance Laboratory

MUS1011 0 Concert Attendance

MVS4441 2 Applied Violin IV

SELECT 1 ADVANCED MUSIC THEORY

(Must be different from above selections)

- MUS 3340 Computer Midi Score
- MUT 3611 Form and Analysis
- MUT 4626 20th Century Music Theory
- MUT 4650 Composition/Improvisation

## Senior Year Spring Semester (16 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

CHOOSE 6 HRS OF FREE ELECTIVES

- 3000/4000 Level

MUH2501 3 World Music

MUN3411 1 String Quartet

MUN3413 1 String Ensemble

MUS1010 0 Performance Laboratory

MUS1011 0 Concert Attendance

MUS4970 0 Senior Recital

SELECT 1 ADVANCED MUSIC THEORY

(Must be different from above selections)

- MUS 3340 Computer Midi Score
- MUT 3611 Form and Analysis
- MUT 4626 20th Century Music Theory
- MUT 4650 Composition/Improvisation

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Biology  
Concentration: Biomedical Sciences  
Degree: Bachelor of Science

### Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C 4 General Biology I

Acceptable substitutes: PCB x011C, BSC x040/L, x010/L

BSC1011C 4 General Biology II

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

#### 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 4 G(M) Calculus I

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 4 G(M) Calculus II

Acceptable substitutes: STA x023, x024, x0321, 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.

BSC2012C 4 General Biology III

- 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 higher.

ZOO3733C 4 Human Structure and Function

## Major Requirements (18 credits)

Courses must be taken in prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

PCB3043C 4 Principles of Ecology

Prereq: BSC 2012C

PCB3063C 4 Genetics

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C 4 Molecular and Cell Biology

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C 4 Physiology

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4931 2 Senior Seminar in Biology

Prereq: Senior standing or permission from the department.

Note: offered in the fall & spring terms

BSC 4931 will involve field or lab research or library work. Taking BSC 4905 is recommended before selecting field or lab work.

## Major Electives (13 credits)

Major electives require a grade of C or higher.

- One Biology elective must have a lab to complete this requirement.

BCH4033 3 Biochemistry

Prereqs: CHM 3120C and CHM 2211/L

MCB3020C 4 Microbial Biology

Prereqs: BSC 2012C and CHM 2046C

SELECT 6 HRS FROM THE FOLLOWING:

- BSC 4870 Biological Basis of Pharmacology
- 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

## Free Electives (13 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Music Performance  
Concentration: Music-Woodwinds, Brass, Percus  
Degree: Bachelor of Music

#### Freshman Year Fall Semester (8 credits)

MUN2140 1 UNF Wind Ensemble (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1111 1 Class Piano I  
\*Students may take a piano proficiency test to waive class piano  
SELECT 1 APPLIED MUSIC (1000 LEVEL)

- MVB MVJ MVP

#### Freshman Year Spring Semester (8 credits)

MUN2140 1 UNF Wind Ensemble (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1112 1 Class Piano II  
SELECT 1 APPLIED MUSIC (1000 LEVEL)

- MVB MVJ MVP

#### Sophomore Year Fall Semester (8 credits)

MUN2140 1 UNF Wind Ensemble (Lower)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MVK2121 1 Class Piano III  
SELECT 1 APPLIED MUSIC (2000 LEVEL)

- MVB MVJ MVP

#### Sophomore Year Spring Semester (8 credits)

MUN2140 1 UNF Wind Ensemble (Lower)

MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MVK2122 1 Class Piano IV  
SELECT 1 APPLIED MUSIC (2000 LEVEL)

- MVB MVJ MVP

### Junior Year Fall Semester (16 credits)

MUG3104 2 Basic Conducting  
MUH3211 3 Music History I  
MUN3143 1 UNF Wind Ensemble (Upper)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT3611 3 Form and Analysis  
MVO4640 3 Wind and Percussion Pedagogy  
SELECT 1 APPLIED MUSIC (3000)

- MVB MVJ MVP

TAKE 2 HOURS OF FREE ELECTIVES

- 3000/4000 Level

### Junior Year Spring Semester (17 credits)

MUH2501 3 World Music  
MUH3212 3 Music History II  
MUL4451C 3 Wind and Percussion Literature  
MUN3143 1 UNF Wind Ensemble (Upper)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS3340 2 Computer Midi Score  
SELECT 1 APPLIED MUSIC (3000 LEVEL)

- MVB MVJ MVP

TAKE 3 HOURS OF FREE ELECTIVES

- 3000/4000 Level

### Senior Year Fall Semester (12 credits)

SELECT 3 HRS OF ADVANCED MUSIC THEORY

- MUT 4421 18th Century Counterpoint
- MUT 4626 20th Century Counterpoint
- MUT 4311 Orchestration

TAKE 3 HOURS OF FREE ELECTIVES

- 3000/4000 Level

MUN3143 1 UNF Wind Ensemble (Upper)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
SELECT 1 APPLIED MUSIC (4000 LEVEL)

- MVB MVJ MVP

### Senior Year Spring Semester (8 credits)

SELECT 3 HRS OF ADVANCED MUSIC THEORY

- MUT 4421 18th Century Counterpoint
- MUT 4626 20th Century Counterpoint



- MUT 4311 Orchestration

TAKE 2 HOURS OF FREE ELECTIVES

- 3000/4000 Level

MUN3143 1 UNF Wind Ensemble (Upper)

MUS1010 0 Performance Laboratory

MUS1011 0 Concert Attendance

MUS4970 0 Senior Recital

SELECT 1 APPLIED MUSIC (4000 LEVEL)

- MVB MVJ MVP

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Biology  
Concentration: Coastal Biology  
Degree: Bachelor of Science

### Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C 4 General Biology I

Acceptable substitutes: PCB x011C, BSC x040/L, x010/L

BSC1011C 4 General Biology II

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

#### 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 4 G(M) Calculus I

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 4 G(M) Calculus II

Acceptable substitutes: STA x023, x024, x0321, 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.

BSC2012C 4 General Biology III

- 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)

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 4 Principles of Ecology

Prereq: BSC 2012C

PCB3063C 4 Genetics

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C 4 Molecular and Cell Biology

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C 4 Physiology

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4931 2 Senior Seminar in Biology

Prereq: Senior standing or permission from the department.

Note: offered in the fall & spring terms

BSC 4931 will involve field or lab research or library work. Taking BSC 4905 is recommended before selecting field or lab work.

## Major Electives (12 credits)

Major electives require a grade of C or higher.

- One Biology elective must have a lab to complete this requirement.

SELECT 1 BOTANY COURSE:

- BOT 4404C Marine Biology
- BOT 4503C Plant Anatomy & Physiology

SELECT 1 ZOOLOGY COURSE:

- ZOO 4208C Coastal Invertebrate Biology
- ZOO 4454C Ichthyology
- ZOO 4462C Herpetology

SELECT 1 AQUATIC COURSE:

- PCB 4301C Limnology
- OCE 3008 Oceanography
- BSC 3263 Marine 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Music Performance  
Concentration: Piano Pedagogy  
Degree: Bachelor of Music

#### Freshman Year Fall Semester (9 credits)

MUN 2XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1311 2 Applied Piano  
MVK1621 2 Piano Pedagogy I

#### Freshman Year Spring Semester (9 credits)

MUN 2XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1311 2 Applied Piano  
MVK1622 2 Piano Pedagogy II

#### Sophomore Year Fall Semester (9 credits)

MUN 2XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MVK2321 2 Applied Piano  
MVK2624 2 Intermediate Piano Pedagogy

#### Sophomore Year Spring Semester (9 credits)

MUN 2XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MVK2321 2 Applied Piano  
MVK2626 2 Advanced Piano Pedagogy

### Junior Year Fall Semester (15 credits)

MUG3104 2 Basic Conducting  
MUH3211 3 Music History I  
MUN 3XXX Large Ensemble  
MUN2510 1 Piano Accompanying  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT 4XXX Advanced Music Theory  
MVK3331 2 Applied Piano  
MVK3603 2 Pedagogy of Group Piano I

### Junior Year Spring Semester (12 credits)

MUH3212 3 Music History II  
MUN 3XXX Large Ensemble  
MUN3453 1 Piano Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT 4XXX Advanced Music Theory  
MVK3331 2 Applied Piano  
MVK3604 2 Pedagogy of Group Piano II

### Senior Year Fall Semester (12 credits)

MUL4400 2 Piano Literature I  
MUN 3XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS3340 2 Computer Midi Score  
MUT3611 3 Form and Analysis  
MVK4341 2 Applied Piano  
MVK4941 2 Internship in Piano Pedagogy I

### Senior Year Spring Semester (12 credits)

MUH2501 3 World Music  
MUL4401 2 Piano Literature II  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS4970 0 Senior Recital  
MUT4650 2 Composition and Improvisation  
MVK4341 2 Applied Piano  
MVK4942 2 Internship in Piano Ped II

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Biology  
Concentration: Coastal Environmental Science  
Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C 4 General Biology I

Acceptable substitutes: PCB x011C, BSC x040/L, x010/L

BSC1011C 4 General Biology II

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

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 4 G(M) Calculus I

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 4 G(M) Calculus II

Acceptable substitutes: STA x023, x024, x0321, 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.

BSC2012C 4 General Biology III

- Prereqs: BSC 1010C & BSC 1011C

STA3163 4 G(M)Statistical Methods I

CHM3120C 4 Quantitative Analytical Chemis

CHM4445 Environmental Chemistry

## Major Requirements (24 credits)

Courses must be taken in prerequisite order. Electronic approval must be obtained each semester for courses whose prerequisites are transfers. Please check the catalog course description section for prerequisites required for each course prior to registering. If one course is a prerequisite for another, the two may not be taken together. Students will be administratively withdrawn from courses if earned grades in prerequisite courses are less than a C.

PCB3043C 4 Principles of Ecology

Prereq: BSC 2012C

PCB3063C 4 Genetics

Prereqs: BSC 2012C and CHM 2210/2210L

OCE3008 3 Oceanography

PCB4301C 4 Limnology

Prereqs: PCB 3043C and CHM 2046/2046L

BSC3052 3 Conservation Biology

Prereq: BSC 2012C

SELECT 1 FROM THE FOLLOWING:

- Physiology
- Plant Anatomy & Physiology

BSC4931 2 Senior Seminar in Biology

Prereq: Senior standing or permission from the department.

Note: offered in the fall & spring terms

BSC 4931 will involve field or lab research or library work. Taking BSC 4905 is recommended before selecting field or lab work.

## Major Electives (21 credits)

Major electives require a grade of C or higher.

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 3030C Microbial Biology

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Music

### Degree: Bachelor of Arts

#### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

##### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

##### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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.

#### Freshman Year Fall Semester (8 credits)

Prerequisites to the major are outlined in the Freshman and Sophomore years.

MUN 2XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT1111 3 Theory I  
MUT1241 1 Theory I, Aural  
MVK1111 1 Class Piano I

\*Students may take a piano proficiency test to waive class piano sequence.

Note: Students have the option of taking MUL 4400 Piano Literature I and MUL 4401 Piano Literature II in place of the class piano sequence.

##### SELECT 1 APPLIED MUSIC (1000 LEVEL)

- MVB MVJ MVP MUO MVK MVW MVV MVS

#### Freshman Year Spring Semester (8 credits)

MUN 2XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance

MUT1112 3 Theory II  
MUT1242 1 Theory II, Aural  
MVK1112 1 Class Piano II

\*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED MUSIC (1000 LEVEL)

- MVB MVJ MVP MUO MVK MVW MVV MVS

### Sophomore Year Fall Semester (8 credits)

MUN 3XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2116 3 Theory III  
MUT2246 1 Advanced Aural Theory  
MVK2121 1 Class Piano III

\*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED MUSIC (2000 LEVEL)

- MVB MVJ MVP MUO MVK MVW MVV MVS

### Sophomore Year Spring Semester (8 credits)

MUN 3XXX Large Ensemble  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUT2117 3 Theory IV  
MUT2247 1 Advanced Aural Theory  
MVK2122 1 Class Piano IV

\*Students may take a piano proficiency test to waive class piano sequence.

SELECT 1 APPLIED MUSIC (2000 LEVEL)

- MVB MVJ MVP MUO MVK MVW MVV MVS

### Junior Year Fall Semester (13 credits)

MUG3104 2 Basic Conducting  
MUH3211 3 Music History I  
MUL4400 2 Piano Literature I  
MUL4420 3 String Chamber Music Literatur  
MUL4451C 3 Wind and Percussion Literature

### Junior Year Spring Semester (10 credits)

MUH2501 3 World Music  
MUH3212 3 Music History II  
MUL4401 2 Piano Literature II  
MUL4602 2 Vocal Literature

### Senior Year Fall Semester (2 credits)

MUS3340 2 Computer Midi Score

### Senior Year Spring Semester (10 credits)

TAKE 7 HOURS OF FREE ELECTIVES

- 3000/4000 Level

MUN3143 1 UNF Wind Ensemble (Upper)  
MUS1010 0 Performance Laboratory  
MUS1011 0 Concert Attendance  
MUS4970 0 Senior Recital  
SELECT 1 APPLIED MUSIC (4000 LEVEL)

- MVB MVJ MVP MVK MVV MVW MVS

## 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 a minor.)

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Biology  
Concentration: Ecology and Evolution Biology  
Degree: Bachelor of Science

Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C 4 General Biology I

Acceptable substitutes: PCB x011C, BSC x040/L, x010/L

BSC1011C 4 General Biology II

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

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 4 G(M) Calculus I

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 4 G(M) Calculus II

Acceptable substitutes: STA x023, x024, x0321, 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.

BSC2012C 4 General Biology III

- 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)

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 4 Principles of Ecology

Prereq: BSC 2012C

PCB3063C 4 Genetics

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C 4 Molecular and Cell Biology

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C 4 Physiology

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4931 2 Senior Seminar in Biology

Prereq: Senior standing or permission from the department.

Note: offered in the fall & spring terms

BSC 4931 will involve field or lab research or library work. Taking BSC 4905 is recommended before selecting field or lab work.

## Major Electives (11 credits)

Major electives require a grade of C or higher.

PCB4674 3 Evolution

SELECT 1 ADVANCED ECOLOGY COURSE:

- BSC 4603C Microbial Ecology

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

## Free Electives (19 credits)

### ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Philosophy  
Concentration: General Philosophical Studies  
Degree: Bachelor of Arts

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

### Major Requirements (15 credits)

Requires grades of C or higher

PHH3100 3 Ancient Philosophy  
PHH3400 3 Modern Philosophy  
PHI3601 3 Ethics  
PHI3130 3 G(M) Symbolic Logic  
Or take another Logic course  
PHI (3000/4000)  
PHI4935 3 -4 Philosophy Seminar

### Major Electives (15 credits)

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

SELECT 2 COURSES AT 4000 LEVEL

- PHH/PHI/PHM/PHP

### 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 a minor.)

### Free Electives (7 credits)

ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Biology  
Concentration: Molecular/Cell Bio. & Biotech  
Degree: Bachelor of Science

### Prerequisites (31 credits)

Requires grades of C or above.

BSC1010C 4 General Biology I

Acceptable substitutes: PCB x011C, BSC x040/L, x010/L

BSC1011C 4 General Biology II

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

#### 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 4 G(M) Calculus I

Acceptable substitutes: MAC x233, x253, x281, x241

MAC2312 4 G(M) Calculus II

Acceptable substitutes: STA x023, x024, x0321, 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.

BSC2012C 4 General Biology III

- 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)

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 4 Principles of Ecology

Prereq: BSC 2012C

PCB3063C 4 Genetics

Prereqs: BSC 2012C and CHM 2210/2210L

PCB3023C 4 Molecular and Cell Biology

Prereqs: BSC 2012C and CHM 2210/2210L

PCB4713C 4 Physiology

Prereqs: PCB 3023C and PHY 2054/2054L

BSC4931 2 Senior Seminar in Biology

Prereq: Senior standing or permission from the department.

Note: offered in the fall & spring terms

BSC 4931 will involve field or lab research or library work. Taking BSC 4905 is recommended before selecting field or lab work.

## Major Electives (11 credits)

Major electives require a grade of C or higher.

- One Biology elective must have a lab to complete this requirement.

BCH4033 3 Biochemistry

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

## Free Electives (19 credits)

### ELECTIVES 3000/4000 LEVEL

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Philosophy  
Concentration: Historical & Comparative Studi  
Degree: Bachelor of Arts

Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major Requirements (15 credits)

Requires grades of C or higher

PHH3100 3 Ancient Philosophy  
PHH3400 3 Modern Philosophy  
PHI3601 3 Ethics  
PHI3130 3 G(M) Symbolic Logic  
Or take another Logic course  
PHI (3000/4000)  
PHI4935 3 -4 Philosophy Seminar

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 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:

- PHI 3664 Ethics East & West
- PHI 3930 ST: Philosophy
- PHI 3931 ST: East/West
- PHI 3935 ST: Ancient Philosophy
- PHI 4930 ST: Philosophy
- PHI 4905 Directed Individual Study
- PHH 3104 Socrates & Sophists
- PHH 3500 19th Century Philosophy
- PHH 3811 Philosophy/Zen Buddhism
- PHH 3820 (FC) Chinese Philosophy
- PHH 4121 Ancient Greek Ethics
- PHH 4601 20th Contemporary Philosophy
- PHH 4620 20th Century Philo Anglo-American Tradition
- PHM 3500 Philosophy of History
- PHP 3700 Pragmatism

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP

### 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 a minor.)

### Free Electives (7 credits)

ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Chemistry

### Degree: Bachelor of Science

#### Prerequisites (24 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

##### MAC2311 4 G(M) Calculus I

Acceptable substitutes: MACX281

##### MAC2312 4 G(M) Calculus II

Acceptable substitutes: MACX282

##### SELECT ONE SEQUENCE

Chemistry majors should take the PHY 2048/2048L and PHY 2049/2049L sequence rather than the PHY 2053/2053L and PHY 2054/2054L sequence to be properly prepared for chemistry requirements needed in the major.

- CHM 2210 Organic Chemistry I Lecture
  - CHM 2210L Organic Chemistry I Lab
  - CHM 2211 Organic Chemistry II Lecture
  - CHM 2211L Organic Chemistry II Lab
- Or (Preferred By Dept)
- 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

#### Core Requirements (8 credits)

If you took physics as a prerequisite, then you must take organic chemistry as your

core. If you took organic chemistry as a prerequisite, then you must take physics as your core.

#### SELECT ONE SEQUENCE

Chemistry majors should take the PHY 2048/2048L and PHY 2049/2049L sequence rather than the PHY 2053/2053L and PHY 2054/2054L sequence to be properly prepared for chemistry requirements needed in the major.

- CHM 2210 Organic Chemistry I Lecture
- CHM 2210L Organic Chemistry I Lab
- CHM 2211 Organic Chemistry II Lecture
- CHM 2211L Organic Chemistry II Lab  
Or (Preferred By Dept)
- 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

#### Contextual Courses (7 credits)

BSC1010C 4 General Biology I

MAP2302 3 G(M)Ordinary Differ Equations

Prereqs: MAC 2311 & MAC 2312

#### Major Requirements (24 credits)

CHM3120C 4 Quantitative Analytical Chemis

Prereqs: CHM 2045, CHM 2045L & CHM 2046, CHM 2046L

BCH4033 3 Biochemistry

Prereqs: CHM 2211, CHM 2211L & CHM 3120C

CHM4410C 4 Physical Chemistry I

Prereqs: CHM 2046, CHM 2046L, PHY 2049L & MAC 2312

CHM4411C 4 Physical Chemistry II

Prereq: CHM 4410C

CHM3610 3 Inorganic Chemistry

Prereq: CHM 4410C

Coreq: CHM 3610L

CHM3610L 1 Inorganic Chemistry Laboratory

CHM4130C 4 Modern Analytical Chemistry

Prereqs: CHM 3120C & CHM 4410C

CHM4931 1 Senior Seminar In Chemistry

Offered Spring semester only

#### Major Electives (12 credits)

No more than 4 hours of CHM 4910 may be used towards the major electives. CHM 4473 or PHY 4604 recommended for students preparing for graduate school in chemistry.

#### SELECT 12 HRS FROM THE FOLLOWING:

- CHM 4260C Advanced Organic Chemistry
- BCH 4033L Biochemistry Lab
- CHS 4610 Environmental Chemistry
- CHS 4610L 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 4620 Advanced Inorganic Chemistry
- CHM 4200 Solid State Chemistry

### Free Electives (9 credits)

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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Philosophy  
Concentration: Legal-Political-Social Studies  
Degree: Bachelor of Arts

Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major Requirements (15 credits)

Requires grades of C or higher

PHH3100 3 Ancient Philosophy  
PHH3400 3 Modern Philosophy  
PHI3601 3 Ethics  
PHI3130 3 G(M) Symbolic Logic  
Or take another Logic course  
PHI (3000/4000)  
PHI4935 3 -4 Philosophy Seminar

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:

- PHI 3632 Ethics of Sex & Gender
- PHI 3670 Moral Conflict
- PHI 3930 ST: Philosophy
- PHI 4420 Philosophy of Social Sciences
- PHI 4905 Directed Individual Study
- PHI 4930 Topics in Philosophy
- PHM 3050 Ethical Issues/Death & Dying
- PHM 3100 Social Philosophy
- PHM 3304 Political Philosophy
- PHM 3361 Philosophy of Democracy
- PHM 3400 Philosophy of Law
- PHM 4340 Contemporary Political Philosophy

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP

### 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 a minor.)

### Free Electives (7 credits)

ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Communication  
Concentration: Advertising  
Degree: Bachelor of Science

Requisites (3 credits)

Students intending to major in the advertising, electronic media, journalism or public relations concentrations must take the listed course.

SPC2608 3 Fundamentals of Speech

Prerequisites (18 credits)

18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Major Requirements (18 credits)

Grades of C or higher are required for all major courses.

MMC3105 3 Advanced Writing For The Media

MMC3200 3 Law & Ethics of Communications

MMC3614 3 Media Theories and Effects

MMC4420 3 Mass Communications Research

MMC4975 3 Internship Senior Project

Prereqs: MMC 3200, MMC 3614, & MMC 3105

STA2014 3 G(M)Elem Statistics-Health/SS

Major Electives (18 credits)

ADV3008 3 Principles of Advertising

ADV3101 3 Advertising Copywriting

Prereqs: ADV 3008 & MMC 3105

ADV3200C 3 Advertising Design

Prereqs: ADV 3008 & ADV 3101

ADV3300 3 Media Planning

Prereqs: ADV 3008 & MMC 3105

ADV4800 3 Advertising Campaigns

Prereqs: ADV 3008, ADV 3101, & MMC 3105

SELECT 1 FROM THE FOLLOWING:

- PGY 2401C Photography, Black and White

- PGY 4610 Photojournalism
- JOU 3302 Writing Editorials & Columns
- JOU 4117 Seminar in Reporting Techniques
- JOU 4202 Advanced Newspaper Editing
- MMC 3402 Political Advertising
- MMC 4251 Creating Health Messages for Mass Media
- MAN 3025 Administrative Management
- MAR 3023 Principles of Marketing
- MAR 4323 Advertising Management

## Free Electives (24 credits)

TAKE 24 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Philosophy  
Concentration: Literary & Cultural Studies  
Degree: Bachelor of Arts

Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major Requirements (15 credits)

Requires grades of C or higher

PHH3100 3 Ancient Philosophy  
PHH3400 3 Modern Philosophy  
PHI3601 3 Ethics  
PHI3130 3 G(M) Symbolic Logic  
Or take another Logic course  
PHI (3000/4000)  
PHI4935 3 -4 Philosophy Seminar

Major Electives (15 credits)

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 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 COURSES FROM THE FOLLOWING:

- PHI 3643 Ethics & Literature
- PHI 3684 The Art of Living
- PHI 3700 Philosophy of Religion
- PHI 3800 Aesthetics
- PHI 3880 Philosophy of Film
- PHI 3881 Philosophy of Music
- PHI 3930 ST: Philosophy
- PHI 3931 ST: East & West
- PHI 4220 Philosophy of Language
- PHI 4930 Topics in Philosophy
- PHH 3811 Philosophy of Zen Buddhism
- PHM 3020 Philosophy of Love & Sex
- PHP 3786 Existentialism

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP

### 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 a minor.)

### Free Electives (7 credits)

ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Communication  
Concentration: Electronic Media  
Degree: Bachelor of Science

Requisites (3 credits)

Students intending to major in the advertising, electronic media, journalism or public relations concentrations must take the listed course.

SPC2608 3 Fundamentals of Speech

Prerequisites (18 credits)

18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Major Requirements (18 credits)

Grades of C or higher are required for all major courses.

MMC3105 3 Advanced Writing For The Media

MMC3200 3 Law & Ethics of Communications

MMC3614 3 Media Theories and Effects

MMC4420 3 Mass Communications Research

MMC4975 3 Internship Senior Project

Prereqs: MMC 3200, MMC 3614, & MMC 3105

STA2014 3 G(M)Elem Statistics-Health/SS

Major Electives (18 credits)

RTV3000 3 Principles of Broadcasting

RTV3101 3 Advanced Broadcast Writing

Prereqs: RTV 3000, MMC 3105, & MMC 3614

RTV3220C 3 TV Production/Visual Arts TV

Prereqs: RTV 3000 & MMC 3105

RTV3301 3 Producing TV News

Prereq: RTV 3000

RTV3800 3 Broadcast Management

Prereqs: RTV 3000 & MMC 3105

RTV4221C 3 Advanced Television Production

Prereq: RTV 3220C



## Free Electives (24 credits)

TAKE 24 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Philosophy  
Concentration: Philosophy Advanced Studies  
Degree: Bachelor of Arts

Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major Requirements (15 credits)

Requires grades of C or higher

PHH3100 3 Ancient Philosophy  
PHH3400 3 Modern Philosophy  
PHI3601 3 Ethics  
PHI3130 3 G(M) Symbolic Logic  
Or take another Logic course  
PHI (3000/4000)  
PHI4935 3 -4 Philosophy Seminar

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:

- PHH 4121 Ancient Greek Ethics
- PHI 4220 Philosophy of Language
- PHI 4300 Epistemology
- PHI 4320 Philosophy of Mind
- PHI 4400 Philosophy of Science
- PHI 4420 Philosophy of the Social Sciences
- PHI 4453 Philosophy of Psychiatry
- PHI 4500 Metaphysics
- PHI 4930 Topics in Philosophy
- PHM 4340 Contemporary Political Philosophy
- PHP 4410 Kant
- PHP 4782 Phenomenology

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP

### 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 a minor.)

### Free Electives (7 credits)

ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Communication  
Concentration: Journalism  
Degree: Bachelor of Science

#### Requisites (3 credits)

Students intending to major in the advertising, electronic media, journalism or public relations concentrations must take the listed course.

SPC2608 3 Fundamentals of Speech

#### Prerequisites (18 credits)

18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

#### Major Requirements (18 credits)

Grades of C or higher are required for all major courses.

MMC3105 3 Advanced Writing For The Media

MMC3200 3 Law & Ethics of Communications

MMC3614 3 Media Theories and Effects

MMC4420 3 Mass Communications Research

MMC4975 3 Internship Senior Project

Prereqs: MMC 3200, MMC 3614, & MMC 3105

STA2014 3 G(M)Elem Statistics-Health/SS

#### Major Electives (18 credits)

JOU3204 3 Principles of Journalism

JOU3101 3 Advanced Reporting

Prereq: MMC 3105

JOU3308 3 Magazine Feature Writing

Prereqs: MMC 3105 & JOU 3101

JOU3925 3 Applied Journalism (Print)

Prereqs: MMC 3105 & JOU 3101

This course is offered fall only.

JOU4202 3 Advanced Newspaper Editing

Prereqs: MMC 3105, MMC 3614, & JOU 3101

JOU4412 3 Advanced Newspaper Design

Prereqs: MMC 3105, MMC 3614, JOU 3204, JOU 3101 & JOU 4202

## Free Electives (24 credits)

TAKE 24 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Philosophy  
Concentration: Studies in Applied Ethics  
Degree: Bachelor of Arts

Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

Major Requirements (15 credits)

Requires grades of C or higher

PHH3100 3 Ancient Philosophy  
PHH3400 3 Modern Philosophy  
PHI3601 3 Ethics  
PHI3130 3 G(M) Symbolic Logic  
Or take another Logic course  
PHI (3000/4000)  
PHI4935 3 -4 Philosophy Seminar

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:

- PHI 3633 Bioethics
- PHI 3640 Environmental Ethics
- PHI 3641 Business Ethics
- PHI 3670 Moral Conflict
- PHI 3684 The Art of Living
- PHI 3930 ST: Philosophy
- PHI 4453 Philosophy of Psychiatry
- PHI 4905 Directed Individual Study
- PHI 4930 Topics in Philosophy
- PHM 3050 Ethical Issues/Death & Dying
- PHM 3100 Social Philosophy
- PHM 3304 Political Philosophy
- PHM 3400 Philosophy of Law

SELECT 1 ADDITIONAL 3000/4000 COURSE

- PHH/PHI/PHM/PHP

### 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 a minor.)

### Free Electives (7 credits)

ELECTIVES 7 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Communication  
Concentration: Public Relations  
Degree: Bachelor of Science

Requisites (3 credits)

Students intending to major in the advertising, electronic media, journalism or public relations concentrations must take the listed course.

SPC2608 3 Fundamentals of Speech

Prerequisites (18 credits)

18 hours of coursework outside the major and beyond the 36 hours of general education requirements.

SELECT 18 HRS OUTSIDE MAJOR

Major Requirements (18 credits)

Grades of C or higher are required for all major courses.

MMC3105 3 Advanced Writing For The Media

MMC3200 3 Law & Ethics of Communications

MMC3614 3 Media Theories and Effects

MMC4420 3 Mass Communications Research

MMC4975 3 Internship Senior Project

Prereqs: MMC 3200, MMC 3614, & MMC 3105

STA2014 3 G(M)Elem Statistics-Health/SS

Major Electives (18 credits)

PUR3000 3 Principles of Pub Relations

PUR3100 3 Public Relations Writing

Prereqs: PUR 3000 & MMC 3105

PUR4400 3 Crisis Communication

Prereqs: PUR 3000 & MMC 3105

PUR4800 3 Public Relations Campaigns

Prereqs: MMC 3105, PUR 3000, PUR 3100, & PUR 4801

PUR4801 3 Public Relations Cases

Prereqs: PUR 3000 & MMC 3105

SELECT 1 FROM THE FOLLOWING:

- PGY 2401C Photography, Black and White



- PGY 4610 Photojournalism
- JOU 3302 Writing Editorials & Columns
- JOU 4117 Seminar in Reporting Techniques
- JOU 4202 Advanced Newspaper Editing
- MMC 3130 Presentation & Design
- MMC 4251 Creating Health Messages for Mass Media
- MMC 3402 Political Advertising
- MAN 3025 Administrative Management
- MAR 3023 Principles of Marketing
- MAR 4323 Advertising Management

## Free Electives (24 credits)

TAKE 24 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 I
  - CHM 2046L General Chemistry I Lab
- Acceptable substitutes: CHMX046C

MAC2311 4 G(M) Calculus I  
Acceptable substitutes: MACX281  
Prereq: MAC 1147

MAC2312 4 G(M) Calculus II  
Acceptable substitutes: MACX282  
Prereq: MAC 2311

MAC2313 4 G(M) Calculus III  
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 (37 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.

AST3217 4 Astrophysics I  
Prereq: PHY2049; Coreq: PHY3101

AST3402 4 Astrophysics II

Prereq: AST3217

PHY3101 3 Modern Physics  
Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L 1 Modern Physics Lab  
Coreq: PHY 3101

PHZ3113 3 Mathematical Physics  
Prereq: PHY 2049 & MAC 2313; Coreq: MAP 2302

PHY3220 4 Classical Mechanics  
Prereqs: PHY 2049 & MAC 2313  
Coreq: MAP 2302

PHY3424 3 Optics  
Prereqs: PHY 2049 & MAC 2313

PHY3320 4 Electricity and Magnetism  
Prereqs: PHY 2049 & MAC 2313

PHY4604 4 Quantum Mechanics  
Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4523 4 Thermodyn and Statistical Mech  
Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L 2 Advanced Physics Laboratory  
Prereq: PHY 3101L

PHY4910 1 Physics Research and Seminar  
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)

AST2002 3 Basic Astronomy  
COP2220 3 Computer Science I  
ESC2000C 3 Earth Science  
MAP2302 3 G(M)Ordinary Differ Equations  
Prereq: MAC 2312

### Free Electives (8 credits)

SELECT 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Criminal Justice Degree: Bachelor of Arts

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

### Major Requirements (24 credits)

CCJ3023 3 Intro to Criminal Justice  
CCJ3014 3 Criminological Theory  
CCJ3700 3 Res Meth Crimin & Crim Justice  
Prereq: STA 2014  
CJJ3010 3 Juven Delin and Juven Justice  
CJL4310 3 Criminal Law and Procedures I  
CJE4017 3 Law Enforcement System/Process  
CJL4510 3 Court Systems And Processes  
CJC4015 3 Correctional Systems/Process

### Major Electives (6 credits)

In-service students select 3 courses; non-service select 2 courses.

#### SELECT 2 CRIMINAL JUSTICE ELECTIVES

- CCJ 3932 ST: Criminal Justice
- CCJ 4283 Philosophy of Law & Justice
- CCJ 4604 Crime & Mental Illness
- CCJ 4662 Minorities & Crime

- CJC 3410 Offender Treatment
- CCJ 4663 Women & Crime
- CCJ 4664 White Collar Crime
- CCJ 4680 Family Violence
- CJE 4144 Security & Society
- CCJ 4905 Directed Independent Study
- CCJ 4931 Controversial Legal Issues
- CCJ 4935 ST: Criminal Justice Administration
- CCJ 4938 ST: Criminology
- CJL 4315 Criminal Trials Seminar
- CCJ 4641 Organized Crime
- CJE 3281 Women in the Legal System
- CJE 4211 Hate Crimes
- CJC 4510 Punishment & Society
- CJE 3232 Drugs & Crime
- CJE 4270 Child Abuse
- CJL 4111 Criminal Law & Procedures II
- SYP 3570 Deviance & Social Control
- CCJ 3930 Criminal Justice Junior Seminar

### Internships (6 credits)

#### Non-service Internship

Internship requires completion of all the following core courses with a grade of C or above: CCJ 3700, CCJ 3023, CCJ 3014, CJL 4310, CJL 4510, CJE 4017, and CJC 4015.

Note: In-service students need departmental approval to waive capstone experience.

CCJ4939 3 Pre-Intern in Criminal Justice

CCJ4940 3 Internship In Criminal Justice

### 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 a minor.)

### Free Electives (3 credits)

#### ELECTIVES 3 HRS (3000/4000)

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 I
  - CHM 2046L General Chemistry I Lab
- Acceptable substitutes: CHMX046C

MAC2311 4 G(M) Calculus I  
Acceptable substitutes: MACX281  
Prereq: MAC 1147

MAC2312 4 G(M) Calculus II  
Acceptable substitutes: MACX282  
Prereq: MAC 2311

MAC2313 4 G(M) Calculus III  
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)

MAP2302 3 G(M) Ordinary Differ Equations

Major Requirements (40 credits)

Grades of C or higher required in all physics and engineering courses.

PHY3101 3 Modern Physics  
Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L 1 Modern Physics Lab  
Coreq: PHY 3101

PHZ3113 3 Mathematical Physics  
Prereq: PHY 2049 & MAC 2313 Coreq: MAP 2302

PHY3220 4 Classical Mechanics  
Prereqs: PHY 2049 & MAC 2313  
Coreq: MAP 2302

PHY3320 4 Electricity and Magnetism  
Prereqs: PHY 2049 & MAC 2313

PHY3722C 4 Electronics for Scientists  
Prereqs: PHY 2049 & MAC 2313

PHY4523 4 Thermodyn and Statistical Mech  
Prereqs: PHY 2049, MAC 2313 & MAP 2302

PHY4802L 2 Advanced Physics Laboratory  
Prereq: PHY 3101L

EGN3311 3 Statics

EGN3202 3 Computer Aided Engineering

CES3104C 3 Mechanics of Materials

CWR3201 3 Fluid Mechanics

### Major Electives (17 credits)

Grades of C or above required in all engineering courses.

SELECT 17 HRS (3000/4000)

- CGN

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Economics

### Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of C or above.

ECO2013 3 Principles of Macroeconomics

ECO2023 3 Principles of Microeconomics

or 2 courses with the ECO prefix

#### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

##### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

##### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

#### Major Requirements (12 credits)

ECO3421 3 Econometrics

Prereq: Introductory Statistics

ECO3101 3 Intermediate Microeconomics

Prereq: ECO 2023

ECO3203 3 Intermediate Macroeconomics

Prereq: ECO 2013 Coreq: ECO 3411 or ECO 3421

##### SELECT 1 INTERNATIONAL COURSE

- ECO 3704 International Trade  
Prereq: ECO 2023
- ECO 4713 International Monetary System  
Prereq: ECO 3203



## Major Electives (9 credits)

A grade of C or better is required in all economics courses.

SELECT 3 FROM: (3000/4000)

- ECO GEO ECP ECG  
ECO 3632/ECO 3701/ECP 3704 may not be used in the major.

## 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 a minor.)

## Free Electives (16 credits)

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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 I
  - CHM 2046L General Chemistry I Lab
- Acceptable substitutes: CHMX046C

MAC2311 4 G(M) Calculus I

Acceptable substitutes: MACX281

Prereq: MAC 1147

MAC2312 4 G(M) Calculus II

Acceptable substitutes: MACX282

Prereq: MAC 2311

MAC2313 4 G(M) Calculus III

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.

PHY3101 3 Modern Physics

Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L 1 Modern Physics Lab

Coreq: PHY 3101

PHZ3113 3 Mathematical Physics  
Prereq: PHY 2049 & MAC 2313 Coreq: MAP 2302

PHY3220 4 Classical Mechanics  
Prereqs: PHY 2049 & MAC 2313  
Coreq: MAP 2302

PHY3320 4 Electricity and Magnetism  
Prereqs: PHY 2049 & MAC 2313

PHY3424 3 Optics  
Prereqs: PHY 2049 & MAC2313

PHY3722C 4 Electronics for Scientists  
Prereqs: PHY 2049 & MAC 2313

PHY4604 4 Quantum Mechanics  
Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L 2 Advanced Physics Laboratory  
Prereq: PHY 3101L

COT3100 3 Computational Structures

COP3530 4 Data Structures

SELECT 1 FROM THE FOLLOWING:

- COP 3601 Introduction to System Software
- CDA 3101 Introduction to Computer Hardware

### Contextual Courses (6 credits)

COP2220 3 Computer Science I

MAP2302 3 G(M)Ordinary Differ Equations

Prereq: MAC 2312

### Major Electives (15 credits)

Grades of C or higher required in all computer science requirements and computer science electives.

SELECT 15 HOURS (3000/4000)

- COT COP CDA

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: English  
Concentration: English-Drama  
Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of C or above.

ENC1101 3 G(W) College Writing

- Acceptable substitute: ENCXXXX

ENC1102 3 G(W) The Informed Writer

- Acceptable substitute: ENCXXXX

#### Major Requirements (21 credits)

First day attendance rule: any students who misses the first day without advanced notice to the department chairperson may be administratively withdrawn from that course.

ENG4013 3 Approach Lit Interpret

LIT3045 3 Periods of Drama Literature

ENL3333 3 Shakespeare

TPP2100 3 Acting Workshop

SELECT 1 FROM THE FOLLOWING:

- AML 3031 G(W) Periods of Early American Literature
- AML 3041 G(W) Periods of Later American Literature
- ENL 3501 G(W) Periods of Early British Literature
- ENL 3503 G(W) Periods of Later British Literature

SELECT 6-7 HRS FROM THE FOLLOWING

- CRW 4424 Playwrights' Project
- THE 4923 Play Production  
THE 4923 may be repeated for a maximum of 12 hours.

#### Major Electives (9 credits)

SELECT 1 COURSE IN LITERARY KIND:

- LIT 3034 Modern Contemporary Drama
- LIT 4041 Studies in Drama

SELECT 1 COURSE IN LITERARY MEDIUM:

- LIN 3010 Principles of Linguistics
- LIN 4930 ST: Linguistics
- CRW 3930 ST: Creative Writing
- CRW 4905 Tutorial in Creative Writing
- ENC 3250 Professional Communications
- ENC 3310 Writing Prose
- ENC 3930 Topics in Theory and/or Practice in Composition
- ENC 4930 Topics in Theory and/or Practice in Composition

SELECT 1 4000 LEVEL ELECTIVE FROM:

- AML ENL LIT ENG

### 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 a minor.)

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

### Free Electives (7 credits)

SELECT 7 HRS 3000/4000 FREE ELECTIVES

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 I
  - CHM 2046L General Chemistry I Lab
- Acceptable substitutes: CHMX046C

MAC2311 4 G(M) Calculus I  
Acceptable substitutes: MACX281  
Prereq: MAC 1147

MAC2312 4 G(M) Calculus II  
Acceptable substitutes: MACX282  
Prereq: MAC 2311

MAC2313 4 G(M) Calculus III  
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 (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.

PHY3101 3 Modern Physics  
Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L 1 Modern Physics Lab  
Coreq: PHY 3101

PHZ3113 3 Mathematical Physics  
Prereq: PHY 2049 & MAC 2313; Coreq: MAP 2302

PHY3220 4 Classical Mechanics  
Prereqs: PHY 2049 & MAC 2313  
Coreq: MAP 2302

PHY3320 4 Electricity and Magnetism  
Prereqs: PHY 2049 & MAC 2313

PHY3424 3 Optics  
Prereqs: PHY 2049 & MAC2313

PHY4604 4 Quantum Mechanics  
Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L 2 Advanced Physics Laboratory  
Prereq: PHY 3101L

PHZ3404 3 Solid State Physics

EEL3111 3 Circuit Analysis I

EEL3112 3 Circuit Analysis II

EEL3304 3 Electronic Circuits I

EEL3303L 1 Electrical Circuits Laboratory

EEL4744C 4 Microcontroller Applications

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 3 Computer Science I

MAP2302 3 G(M)Ordinary Differ Equations

Prereq: MAC 2312

### Major Electives (7 credits)

Grades of C or higher required in all engineering electives.

SELECT 7 HOURS @ 3000/4000 LEVEL

- EEL

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: English

### Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of C or above.

ENC1101 3 G(W) College Writing

- Acceptable substitute: ENCXXXX

ENC1102 3 G(W) The Informed Writer

- Acceptable substitute: ENCXXXX

#### Major Requirements (9 credits)

Select 2 literary period courses: (one of the courses must be selected from the early period and the other from the later period of either American or British literature).

ENG4013 3 Approach Lit Interpretate

Prereq: One upper level literature course

SELECT 1 OF THE FOLLOWING OPTIONS:

Option 1:

- AML 3041 G(W) Periods of Later American Literature
- ENL 3501 G(W) Periods of Early British Literature

Or

Option 2:

- AML 3031 G(W) Periods of Early American Literature
- ENL 3503 G(W) Periods of Later British Literature

#### Major Electives (18 credits)

Select from categories below. At least two courses must be 4000 level (or may select two 4000 levels as lit electives below).

TYPE REQUIREMENT

Select 1 course in literary type

- AML 3102 G(W) American Fiction
- AML 3152 G(W) American Poetry
- ENG 4105 Film & Literature
- ENL 3112 G(W) British Novel I
- ENL 3132 G(W) British Novel II
- LIT 3043 G(W) Modern & Contemporary Drama
- LIT 3331 G(W) Children's Literature



- LIT 3333 G(W) Adolescent Literature
- LIT 4041 Studies in Drama
- LIT 3045 Period of Dramatic Literature
- LIT 4935 Literary Themes

#### CONTEXT REQUIREMENT

Select 1 course in literary context

- AML 3621 G(W) Black American Literature
- AML 4225 Studies in 19th Century American Lit
- AML 4242 Studies in 20th Century American Lit
- CLT 4110 Classical Background of Western Lit
- ENG 4905 Tutorial in Criticism & Interpretation of Lit
- ENG 4930 Topics in Criticism & Interpretation of Lit
- ENL 3333 Shakespeare
- ENL 4220 Studies in Renaissance Lit
- ENL 4230 Studies in Restoration & 18th Century Lit
- ENL 4240 Studies in English Romantic Lit
- ENL 4251 Studies in Victorian Literature
- LIT 3184 (FC) G(W) Intro to Irish Lit & Culture
- LIT 3193 (FC) G(W) Literature of the East
- LIT 3304 G(W) Lit of Popular American Culture
- LIT 3408 Approaches to Literature: Myth
- LIT 3420 Approaches to Literature: Psychology
- LIT 4083 Studies in Modern Literature
- LIT 4093 Contemporary Literature
- LIT 4104 Studies in Medieval Literature
- LIT 4186 Studies in Irish Literature
- LIT 4243 Major Authors
- LIT 4650 Comparative Literature
- LIT 4931 Cultural Studies

#### MEDIUM REQUIREMENT

Select 1 course in literary medium (composition, creative writing, linguistics)

- LIN 3010 Principles of Linguistics
- LIN 4930 ST: Linguistics
- CRW 3930 ST: Creative Writing
- CRW 4905 Tutorial in Creative Writing
- ENC 3250 G(W) Professional Communications
- ENC 3310 G(W) Writing Prose
- ENC 3930 Topics in Theory &/or Practice in Composition
- ENC 4930 Topics in Theory &/or Practice in Composition

#### SELECT 3 LIT ELECTIVES (3000/4000)

- AML CRW ENG ENL LIT ENC
- Two must be at the 4000 level if not satisfied in the above categories.

### Capstone Experience (3 credits)

This course is not repeatable even if the subject and/or title is different.

LIT4934 3 Seminar In Literature

- Prereq: 4 upper level literature courses

### 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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

## Free Electives (7 credits)

### SELECT 7 HRS 3000/4000 FREE ELECTIVES

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 I
  - CHM 2046L General Chemistry I Lab
- Acceptable substitutes: CHMX046C

MAC2311 4 G(M) Calculus I

Acceptable substitutes: MACX281

Prereq: MAC 1147

MAC2312 4 G(M) Calculus II

Acceptable substitutes: MACX282

Prereq: MAC 2311

MAC2313 4 G(M) Calculus III

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)

MAP2302 3 G(M) Ordinary Differ Equations

Major Requirements (45 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.

PHY3101 3 Modern Physics

Prereq: PHY 2049; Coreq: MAC 2313  
PHY3101L 1 Modern Physics Lab  
Coreq: PHY 3101  
PHZ3113 3 Mathematical Physics  
Prereq: PHY 2049 & MAC 2313 Coreq: MAP 2302  
PHY3220 4 Classical Mechanics  
Prereqs: PHY 2049 & MAC 2313  
Coreq: MAP 2302  
PHY3320 4 Electricity and Magnetism  
Prereqs: PHY 2049 & MAC 2313  
PHY3424 3 Optics  
Prereqs: PHY 2049 & MAC2313  
PHY3722C 4 Electronics for Scientists  
Prereqs: PHY 2049 & MAC 2313  
PHY4523 4 Thermodyn and Statistical Mech  
Prereqs: PHY 2049, MAC 2313 & MAP 2302  
PHY4802L 2 Advanced Physics Laboratory  
Prereq: PHY 3101L  
EGN3311 3 Statics  
EGN3331 3 Strength of Materials  
EML3100 3 Thermodynamics I  
EGN3203 3 Modern Computational Methods  
EML3015 3 Fluids I  
EML4140 3 Heat Transfer

### Major Electives (9 credits)

Grades of C or higher are required in all engineering electives.

SELECT 9 HRS @ 3000/4000 LEVEL

- EGN EML

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Fine Arts  
Concentration: Ceramics  
Degree: Bachelor of Fine Arts

Prerequisites (24 credits)

Requires grades of C or above.

Note: Students should continually take art history courses with other art courses to properly prepare for the major.

ARH2050 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

Acceptable substitute: ART XXXX 2D

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202, ART XXXX Design II, 3D

ART1300C 3 Drawing I

ART2301C 3 Drawing II

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

1000/2000 Level

- ART

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 3 Black and White Photography

ART2605C 3 Basic Computer Images

ART2500C 3 Painting Fundamentals

Prereq: One drawing course

ART2330C 3 Figure Drawing I

Prereq: ART 1300C & ART 2301C

ARH4800 3 Aesthetics of Art

SELECT 2 ART HIST COURSES (3000/4000)

- ARH

ART3786C 3 Ceramics  
ART3765C 3 Intermediate Ceramics  
ART4768C 3 Advanced Ceramics  
ART3707C 3 Sculpture I  
ART4929C 3 Senior Project  
ART4965C 3 Fine Arts Portfolio

### Major Electives (15 credits)

Please refer to the course description for repeatability information.

SELECT 5 CERAMIC ELECTIVES FROM:

- ART 3786C Ceramics
- ART 3765C Intermediate Ceramics
- ART 4768C Advanced Ceramics
- ART 4788C Ceramic Aesthetic

### Free Electives (6 credits)

SELECT 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: 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 I
  - CHM 2046L General Chemistry I Lab
- Acceptable substitutes: CHMX046C

MAC2311 4 G(M) Calculus I  
Acceptable substitutes: MACX281  
Prereq: MAC 1147

MAC2312 4 G(M) Calculus II  
Acceptable substitutes: MACX282  
Prereq: MAC 2311

MAC2313 4 G(M) Calculus III  
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 (33 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.

PHY3101 3 Modern Physics  
Prereq: PHY 2049; Coreq: MAC 2313

PHY3101L 1 Modern Physics Lab  
Coreq: PHY 3101

PHZ3113 3 Mathematical Physics

Prereq: PHY 2049 & MAC 2313; Coreq: MAP 2302

PHY3220 4 Classical Mechanics  
Prereqs: PHY 2049 & MAC 2313  
Coreq: MAP 2302

PHY3320 4 Electricity and Magnetism  
Prereqs: PHY 2049 & MAC 2313

PHY3424 3 Optics  
Prereqs: PHY 2049 & MAC 2313

PHY3722C 4 Electronics for Scientists  
Prereqs: PHY 2049 & MAC 2313

PHY4604 4 Quantum Mechanics  
Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4523 4 Thermodyn and Statistical Mech  
Prereqs: PHY 3101, MAC 2313 & MAP 2302

PHY4802L 2 Advanced Physics Laboratory  
Prereq: PHY 3101L

PHY4910 1 Physics Research and Seminar  
Prereq: PHY 3101

### Major Electives (3 credits)

SELECT ONE FROM THE FOLLOWING:

- AST 3217 Astrophysics
- PHZ 3404 Solid State Physics
- PHZ 4160 Adv Topics Physics
- PHZ 4303 Nuclear Physics

### Contextual Courses (6 credits)

COP2220 3 Computer Science I  
MAP2302 3 G(M)Ordinary Differ Equations  
Prereq: MAC 2312

### Free Electives (18 credits)

SELECT 18 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).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

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 3 Drawing I  
ART2301C 3 Drawing II  
ART1201C 3 Two-Dimensional Design  
ART2203C 3 Three-Dimensional Design  
ARH2050 3 Art History Survey I  
ARH2051 3 Art History Survey II  
ART2605C 3 Basic Computer Images  
GRA2190C 3 Introduction to Graphic Design  
Prereqs: ART 2605C, ART 1300C, ART 2301C, ART 1201C & ART 2203C  
(Apply to Limited Access Program)

Major Requirements (42 credits)

Grades of C or above required in all major requirements and major electives.

Students may not enroll in 3000/4000 level major requirements or major electives until after they have successfully completed the portfolio review and been selected for the major.

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 3 Digital Photography for Design  
Prereq: ART 2605C

GRA2203C Prepress Production  
Prereq: GRA 2190C

GRA3880C 3 Illustration  
Prereq: GRA 2190C

ARH4724 3 Graphic Design History  
GRA3183C 3 Typography Studio  
Prereqs: GRA 2190C

GRA3833C 3 Motion Graphics  
Prereqs: PGY 1800C & GRA 3880C

GRA3523C 3 Introduction to Web Design

Prereqs: PGY 1800C & GRA 3880C  
GRA3118C 3 Publication Design  
Prereqs: GRA 3183C & GRA 3203C  
GRA3512C 3 Corporate Identity  
Prereqs: GRA 3183C & GRA 3203C  
GRA4137C 3 Advanced Web Design  
Prereq: GRA 3523C  
GRA4186C 3 Senior Design Studio  
Prereqs: GRA 3183C & GRA 3512C  
GRA4423 3 Business of Graphic Design  
Prereqs: Senior Status & GRA 3512C  
GRA4189C 3 Graphic Design Portfolio  
Prereqs: Senior Status & GRA 4186C  
SELECT 1 ART HISTORY 3000/4000

- ARH

### Major Electives (12 credits)

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

### 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Political Science  
Concentration: American Politics  
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 3 Intro to American Government

SELECT 1 INTRO POLI SCIENCE COURSES

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.

POS3713 3 Political Inquiry And Analysis

POT3003 3 Political Thought and Action

PAD4003 3 Public Administration

SELECT 1 COURSE (3000/4000 LEVEL)

- POS 3413 American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3691 The American Legal System

SELECT 1 COURSE (3000/4000 LEVEL)

- CPO 4014 Comparative Politics: Framework for Analysis
- INR 4603 International Relations: Framework for Analysis
- INR 4703 International Political Economy

POS4930 3 Senior Seminar: Political Sci

Offered Fall and Spring only

Prereqs: POS 3713, POT 3003, PAD 4003 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 U.S. Supreme Court & Other Federal Courts
- 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 4033 Controversial Political Issues
- POS 4173 Southern Politics
- POS 4233 Public Opinion & Interest Groups
- POS 4463 Interest Groups & American Democracy
- POS 4608 Constitutional Law
- POS 4624 Constitutional Law: Civil Rights & Liberties
- POS 4905 Directed Individual Study
- POS 4932 ST: Politics & Public Administration
- POS 4945 Practicum: Legislative
- POT 3075 American Politics & Popular Culture
- PUP 3053 American Political Economy
- PUP 4518 Information Technology & Politics

### 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 a minor.)

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202

ART1300C 3 Drawing I

ART2301C 3 Drawing II

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 (36 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 3 Figure Drawing I

Prereq: ART 1300C & ART 2301C

ART2500C 3 Painting Fundamentals

Prereq: one drawing course

ART3420C 3 Lithography Printmaking I

Prereq: ART 2400C

ART3442C 3 Intaglio Printmaking I

Prereq: ART 2400C

ART3504C 3 Painting Studio

Prereq: ART 2500C

ART3332C 3 Figure Drawing II

Prereq: ART 3504C

ART3560C 3 Figurative Painting

Prereq: ART 2500C & ART 3332C

ART4805C 3 Painting and Drawing Research

Prereq: ART 3332C & ART 3504C

ART4965C 3 Fine Arts Portfolio

SELECT 3 ART HISTORYYS (3000/4000)

- ARH

### Major Electives (18 credits)

SELECT 6 FROM: (3000/4000)

- ART

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Political Science  
Concentration: General Political Science  
Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of C or above.

POS2041 3 Intro to American Government

SELECT 1 INTRO POLI SCIENCE COURSES

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.

POS3713 3 Political Inquiry And Analysis

POT3003 3 Political Thought and Action

PAD4003 3 Public Administration

SELECT 1 COURSE (3000/4000 LEVEL)

- POS 3413 American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3691 The American Legal System

SELECT 1 COURSE (3000/4000 LEVEL)

- CPO 4014 Comparative Politics: Framework for Analysis
- INR 4603 International Relations: Framework for Analysis
- INR 4703 International Political Economy

POS4930 3 Senior Seminar: Political Sci

Offered Fall and Spring only

Prereqs: POS 3713, POT 3003, PAD 4003 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 3643 (FC) Politics & Society in Russia
- CPO 4014 Framework Analysis in Comparative Politics
- CPO 4034 Third World Politics
- CPO 4774 Comparative Politics in Communication
- CPO 4930 ST: Comparative Politics
- INR 3084 Terrorism Today
- INR 3016 Global Issues in Contemporary Politics
- INR 3443 International Law & Organization
- INR 4334 American Defense in the Age of Mass Destruction
- INR 4435 North Ireland Peace Process
- INR 4603 Framework Analysis in International Relations
- INR 4703 International Political Economy
- PAD 4027 Issues in Public 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 US Supreme Courts & Other Federal Courts
- 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 4233 Public Opinion & Interest Groups
- POS 4463 Interest Groups & American Democracy
- 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 3615 Soul of the Court
- POS 3676 Great American Trials
- POS 4093 Politics of the War on Drugs
- POS 4945 Practicum: Legislative
- 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 4518 Information Technology & Politics
- PUP 4612 Politics of Social Programs

### 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 a minor.)

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German,

- Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

Acceptable substitute: ART XXXX 2D

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202, ART XXXX Design II, 3D

ART1300C 3 Drawing I

ART2301C 3 Drawing II

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.

ART2330C 3 Figure Drawing I

Prereqs: ART 1300C & ART 2301C

ARH4712 3 Photohistory 1839-1916

ARH4713 3 Photohistory 1916 to Present

ARH4801 3 Art Criticism

Prereqs: ARH 2050, ARH 2051, & one 3000/4000 level ARH

PGY2401C 3 Black and White Photography

PGY4610 3 Photojournalism

Prereq: PGY 2401C  
PGY3410C 3 Intermediate Photography  
Prereq: PGY 2401C  
PGY3820C Digital Imaging, Photo Majors  
Prereq: PGY 2401C  
PGY2110C 3 Color Photography  
Prereqs: PGY 3410C  
PGY4443C 3 Photo Arts  
Prereqs: PGY 3410C & PGY 3820C  
PGY4205C Advanced Lighting Principles  
Prereq: PGY 2110C  
PGY4228C Advanced Photo Illustration  
Prereqs: PGY 2110C & PGY 3820C  
PGY4476C Senior Photo Portfolio  
SELECT 1 FROM THE FOLLOWING:

- ARH 4800 Aesthetics of Art
- ARH 3410 Modern European Art I
- ARH 3319 Art of Michelangelo

### Major Electives (12 credits)

SELECT 4 FROM THE FOLLOWING:

- ARH 3130 The Art & Architecture of Ancient Greece
- ARH 3150 The Art & Architecture of Ancient Rome
- ARH 3302 Italian Renaissance Art
- ARH 3410 Modern European Art
- PGY 3234C Fashion Photography as Art
- PGY 4213C Classic Black & White Portraiture
- ART 3707C Sculpture Process
- ART 3786C Ceramics
- ART 3442C Intaglio Printmaking I

### 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Political Science  
Concentration: Int'l Rel/Comparative Politics  
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 3 Intro to American Government

SELECT 1 INTRO POLI SCIENCE COURSES

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.

POS3713 3 Political Inquiry And Analysis

POT3003 3 Political Thought and Action

PAD4003 3 Public Administration

SELECT 1 COURSE (3000/4000 LEVEL)

- POS 3413 American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3691 The American Legal System

SELECT 1 COURSE (3000/4000 LEVEL)

- CPO 4014 Comparative Politics: Framework for Analysis
- INR 4603 International Relations: Framework for Analysis
- INR 4703 International Political Economy

POS4930 3 Senior Seminar: Political Sci

Offered Fall and Spring only

Prereqs: POS 3713, POT 3003, PAD 4003 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 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 4774 Comparative Politics in Communications
- CPO 4930 ST: Comparative Politics
- 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 4435 North Ireland Peace Process
- 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 Practicum: Legislative
- PUP 4506 Evolution, Society, & Politics
- PUP 4518 Information Technology & Politics

## 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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

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 3 Art History Survey I

ARH2051 3 Art History Survey II

ART1201C 3 Two-Dimensional Design

Acceptable substitute: ART XXXX 2D

ART2203C 3 Three-Dimensional Design

Acceptable substitute: ART X202, ART XXXX Design II, 3D

ART1300C 3 Drawing I

ART2301C 3 Drawing II

Acceptable substitutes: ARTX330, X205, X310, X305

SELECT 2 INTRO MEDIA COURSES

1000/2000 Level

- ART

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 3 Black and White Photography

ART2605C 3 Basic Computer Images

ART2500C 3 Painting Fundamentals

Prereq: One drawing course

ART2330C 3 Figure Drawing I

Prereq: ART 1300C & ART 2301C

ARH4800 3 Aesthetics of Art

SELECT 2 ART HIST COURSES (3000/4000)



- ARH

ART3786C 3 Ceramics  
ART3707C 3 Sculpture I  
ART3709C 3 Sculpture II  
ART4710C 3 Sculpture III  
ART4929C 3 Senior Project  
ART4965C 3 Fine Arts Portfolio

### 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Political Science  
Concentration: Pol Sci Fast Track MPA  
Degree: Bachelor of Arts

Prerequisites (6 credits)

Requires grades of C or above.

POS2041 3 Intro to American Government

SELECT 1 INTRO POLI SCIENCE COURSES

Any 2 introductory political science courses with POS, CPO, or INR prefixes can be used

Core Requirements (18 credits)

A GPA of 3.0 or higher required for the fast track option.

POS3713 3 Political Inquiry And Analysis

POT3003 3 Political Thought and Action

PAD4003 3 Public Administration

POS4930 3 Senior Seminar: Political Sci

Offered Fall and Spring only

Prereqs: POS 3713, POT 3003, PAD 3003 and senior status

SELECT 1 COURSE FROM THE FOLLOWING:

- POS 3413 American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3606 US Supreme Court & Other Federal Courts

SELECT 1 FROM THE FOLLOWING:

- CPO 4014 Comparative Politics: Frameworks for Analysis
- INR 4703 International Political Economy
- INR 4603 International Relations: Frameworks for Analysis

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 U.S. Supreme Court & other Federal Courts
- 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: Power & Restraint
- POS 4624 Constitutional Law: Civil Rights & Liberties
- POS 4905 Directed Individual Study
- POS 4932 ST: Political Science & Public Administration
- POS 4945 Practicum: Legislative
- 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

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

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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)

#### 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).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

## Major: French Studies

### Degree: Bachelor of Arts

#### Prerequisites

Students must earn a grade of C or better in all prerequisite and major courses.

Note: Students may be placed into higher courses due to placement exam result or departmental recommendation.

- FRE1120 4 Beginning French I
- FRE1121 4 Beginning French II
- FRE2240 3 Intermediate French I
- FRE2241 3 Intermediate French II

#### Major Electives (21 credits)

Students are encouraged to take more than the minimum 9 semester hours of courses taught in French.

Of the 12 hours allowed in English, no more than 6 hours may be in courses focusing on Europe so that students will be exposed to the cultural and ethnic diversity of the Francophone world.

##### SELECT 3 FROM THE FOLLOWING:

(Taught in French)

- FOL 3930 ST: Foreign Languages (French only)
- FOL 3953 Advanced Foreign Language Study
- FRE 3440 French for the Professions
- FRE 4420 Advanced French Composition and Stylistics
- FRE 4501 France Today
- FRE 4402 Advanced French Conversation
- FRE 4905 Directed Independent Study in French
- FRT 3800 French Translation Techniques
- FRW 3100 Survey of French Literature: Pre-19th Century
- FRW 3101 Survey of French Literature: The Modern Period
- FRW 4930 ST: French Literature (may be repeated)

##### SELECT 4 FROM THE FOLLOWING:

(Focusing on France and the Francophone world)

- FIL 4521 French Cinema
- FOT 3510 Love in the Middle Ages
- FOT 3931 Studies in Foreign Culture (French/Francophone culture only)

- FRT 3550 Faces of France
- FRT 4561 Women in French Literature & Culture
- EUH 3451 France Since 1789
- EUH 4294 Seminar-Modern Europe (topic on France only)
- CPO 3151 Politics & Society in France

Focusing on Europe) Select no more than 2 courses from the following:

- EUH 3120 Medieval Europe
- EUH 3142 Renaissance-Reformation
- EUH 3202 Enlightenment & Power: Europe 1660-1789
- EUH 3205 19th Century Europe
- EUH 3206 20th Century Europe
- ARH 3410 Modern European Art I
- ARH 3428 Modern European Art II
- PHP 3786 Existentialism
- ECS 3303 Current Issues in the Economics of the European Union
- MAN 4654 Comparative Business Practices: European Union & the U.S.

### Major Requirements (9 credits)

FRE3283 3 Fren Listening/Speaking Skills  
FRE3300 3 French Grammar and Composition  
FRE3350 3 Readings Fren Lit and Culture

### 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 a minor.)

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Political Science  
Concentration: Public Admin/Public Policy  
Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of C or above.

POS2041 3 Intro to American Government

SELECT 1 INTRO POLI SCIENCE COURSES

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.

POS3713 3 Political Inquiry And Analysis

POT3003 3 Political Thought and Action

PAD4003 3 Public Administration

SELECT 1 COURSE (3000/4000 LEVEL)

- POS 3413 American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3691 The American Legal System

SELECT 1 COURSE (3000/4000 LEVEL)

- CPO 4014 Comparative Politics: Framework for Analysis
- INR 4603 International Relations: Framework for Analysis
- INR 4703 International Political Economy

POS4930 3 Senior Seminar: Political Sci

Offered Fall and Spring only

Prereqs: POS 3713, POT 3003, PAD 4003 and senior status

#### Major Electives (12 credits)

SELECT 4 COURSES FROM BELOW:

- INR 3084 Terrorism Today
- PAD 4027 Issues in Public 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 Practicum: Legislative
- 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.\*

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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

## 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

#### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

#### Major Requirements (18 credits)

Required grades of C or higher.

HIS3051 3 G(W) Craft Of The Historian

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

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 a minor.)

### Free Electives (7 credits)

SELECT 7 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Political Science  
Concentration: Public Law  
Degree: Bachelor of Arts

#### Prerequisites (6 credits)

Requires grades of C or above.

POS2041 3 Intro to American Government

SELECT 1 INTRO POLI SCIENCE COURSES

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.

POS3713 3 Political Inquiry And Analysis

POT3003 3 Political Thought and Action

PAD4003 3 Public Administration

SELECT 1 COURSE (3000/4000 LEVEL)

- POS 3413 American Presidency
- POS 3424 Congress & the Legislative Process
- POS 3691 The American Legal System

SELECT 1 COURSE (3000/4000 LEVEL)

- CPO 4014 Comparative Politics: Framework for Analysis
- INR 4603 International Relations: Framework for Analysis
- INR 4703 International Political Economy

POS4930 3 Senior Seminar: Political Sci

Offered Fall and Spring only

Prereqs: POS 3713, POT 3003, PAD 4003 and senior status

#### Major Electives (12 credits)

SELECT 4 COURSES FROM BELOW:

- POS 3606 US Supreme Courts & Other Federal Courts
- 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 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 Practicum: Legislative

## 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 a minor.)

## Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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)

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 may petition the Program Director to substitute two regional/thematic courses in place of the intermediate-level language courses.

Major Requirements (15 credits)

Requires grades of C or above.

ANT3212 3 CD-(FC)Peoples/Cultures World

ECO3701 3 CD-Contemporary Intl Eco

GEO3553 3 Cultural Dimensions of Eco Geo

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
- ANT 4801 Ethnographic Methods
- HIS 3051 The Craft of the Historian
- POS 3713 Political Inquiry & Analysis

## International Educational Experience

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 0 Int'l Educ Experience

- 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)

INR4930 3 Capstone Seminar: Intl Studies

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 4801 or HIS 3051 or POS 3713

## 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 People & Cultures of Southeast Asia
- ASH 3337 Gandhi/Modern India
- 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
- 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 Philosophy East & West
- REL 3310 Asian Religions
- REL 3330 Religions of India

## 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 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Psychology  
Concentration: Child Psychology  
Degree: Bachelor of Arts

Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 3 Introduction to Psychology  
SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY

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 1 Prof Opportunities in PSYC  
RESEARCH METHODS AND LAB REQUIREMENT  
Prereq: Elementary Statistics

- PSY 3214 Research Methods in Psychology
- PSY 3213L Research Methods Lab

Experimental Courses (4 credits)

Research Methods and Lab, PSY 3214 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

## Major Requirements (15 credits)

CLP4143 3 Psychology Of Abnormal Behav

DEP3054 3 Lifespan Developmental Psych

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)

No more than 3 hours in Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. However, additional hours of these courses may be taken as free electives.

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

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.

- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

## Free Electives (4 credits)

SELECT 4 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 may petition the Program Director to substitute two regional/thematic courses in place of the intermediate-level language courses.

Major Requirements (15 credits)

Requires grades of C or above.

ANT3212 3 CD-(FC)Peoples/Cultures World

ECO3701 3 CD-Contemporary Intl Eco

GEO3553 3 Cultural Dimensions of Eco Geo

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
- ANT 4801 Ethnographic Methods
- HIS 3051 The Craft of the Historian
- POS 3713 Political Inquiry & Analysis

## International Educational Experience

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 0 Int'l Educ Experience

- Successful completion of an UNF sponsored study abroad program.
- Successful completion of another university sponsored study abroad program.
- Successful completion of a student exchange program abroad.
- Successful completion of a language study abroad program.
- Successful completion of an internship program abroad.
- Successful completion of a United States based international experience.

## Capstone Seminar (3 credits)

INR4930 3 Capstone Seminar: Intl Studies

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 4801 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:

- 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
- 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 3466 Germany Today
- EUH 3502 Modern Britain
- 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.\*

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 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Psychology  
Concentration: Child Psychology  
Degree: Bachelor of Science

#### Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 3 Introduction to Psychology  
SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY

#### 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 3214 and PSY 3213L with grades of B or better.

PSY3021 1 Prof Opportunities in PSYC

- CBH 3004 COMPARATIVE PSYCHOLOGY
- EXP 3104 SENSORY PERCEPTION
- PSB 3002 PSYCHOBIOLOGY

#### RESEARCH METHODS AND LAB REQUIREMENT

- EXP 3412 LEARNING THEORY
- EXP 3604 COGNITIVE PSYCHOLOGY

#### Experimental Courses (12 credits)

For all Bachelor of Science students, Research Methods and Lab, PSY 3214 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

## Major Requirements (18 credits)

Requires grades of C or higher.

CLP4143 3 Psychology Of Abnormal Behavr

DEP3054 3 Lifespan Developmental Psych

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)

No more than 3 hours in Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. However, additional hours of courses may be taken as free electives.

SELECT A 1 FROM THE FOLLOWING:

- DEP 4104 Advanced Child Psychology
- DEP 4304 Advanced Adolescent Psychology

SELECT B 1 FROM THE FOLLOWING:

- CLP 4134 Child Psychopathology
- DEP 4060 Applied Developmental Psychology

SELECT C 3 HRS OF THE FOLLOWING:

- 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

## Free Electives (13 credits)

SELECT 13 HRS FREE ELECT 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).







UNDERGRADUATE CATALOG 2009-2010

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)

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 may petition the Program Director to substitute two regional/thematic courses in place of the intermediate-level language courses.

Major Requirements (15 credits)

Requires grades of C or above.

ANT3212 3 CD-(FC)Peoples/Cultures World

ECO3701 3 CD-Contemporary Intl Eco

GEO3553 3 Cultural Dimensions of Eco Geo

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
- ANT 4801 Ethnographic Methods
- HIS 3051 The Craft of the Historian
- POS 3713 Political Inquiry & Analysis

## International Educational Experience

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 0 Int'l Educ Experience

- Successful completion of an UNF sponsored study abroad program.
- Successful completion of another university sponsored study abroad program.
- Successful completion of a student exchange program abroad.
- Successful completion of a language study abroad program.
- Successful completion of an internship program abroad.
- Successful completion of a United States based international experience.

## Capstone Seminar (3 credits)

INR4930 3 Capstone Seminar: Intl Studies

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 4801 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
- FIL 4822 French Cinema
- FOL 3930 ST: Foreign Language
- FOL 3953 Advanced Foreign Language Abroad
- FOT 3931 Studies of Foreign Culture
- FRE 3430 French for Profession
- FRE 4501 France Today
- FRT 3550 Faces of France
- FRW 3100 Survey of French Literature: Pre-19th Century
- FRW 3101 Survey of French Literature: The Modern Period
- INR 4905 Directed Independent Study
- SPN 3013 Spanish for Professions
- SPW 3100 Survey of Spanish Literature
- SPW 3130 Survey of Latin American Literature
- SPW 4202 Modern Latin American Literature
- SPW 4394 Ibero-American Film

## 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 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Psychology

### Degree: Bachelor of Arts

#### Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 3 Introduction to Psychology  
SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY

#### 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 1 Prof Opportunities in PSYC  
RESEARCH METHODS AND LAB REQUIREMENT  
Prereq: Elementary Statistics

- PSY 3214 Research Methods in Psychology
- PSY 3213L Research Methods Lab

#### Experimental Courses (4 credits)

Research Methods and Lab, PSY 3214 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

## 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)

No more than 3 hours in Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. However, additional hours of these courses may be taken as free electives.

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

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

## Free Electives (4 credits)

SELECT 4 HRS FREE ELECTIVES 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

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 may petition the Program Director to substitute two regional/thematic courses in place of the intermediate-level language courses.

Major Requirements (15 credits)

Requires grades of C or above.

ANT3212 3 CD-(FC)Peoples/Cultures World

ECO3701 3 CD-Contemporary Intl Eco

GEO3553 3 Cultural Dimensions of Eco Geo

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
- ANT 4801 Ethnographic Methods
- HIS 3051 The Craft of the Historian
- POS 3713 Political Inquiry & Analysis

## International Educational Experience

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 0 Int'l Educ Experience

- Successful completion of an UNF sponsored study abroad program.
- Successful completion of another university sponsored study abroad program.
- Successful completion of a student exchange program abroad.
- Successful completion of a language study abroad program.
- Successful completion of an internship program abroad.
- Successful completion of a United States based international experience.

## Capstone Seminar (3 credits)

INR4930 3 Capstone Seminar: Intl Studies

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 4801 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
- CPO 4034 Third World Politics
- CPO 4774 Comparative Political Communications
- ECO 3704 International Trade
- ECO 4504 Public Finance
- ECO 4713 The International Monetary System
- 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 4435 Northern Ireland Peace Process
- INR 4703 International Political Economy
- INR 4905 Directed Independent Study
- PAD 4832 Issues in Comparative Public Administration
- REL 3443 Liberation Theologies
- SYP 3440 Social Change & International Development

## 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 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Psychology

### Degree: Bachelor of Science

#### Prerequisites (12 credits)

Requires grades of C or above.

PSY2012 3 Introduction to Psychology  
SELECT ONE ADDITIONAL PSYCH COURSE

- CLP DEP EAB EXP INP PCO PPE PSB PSY

#### 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 3214 and PSY 3213L with grades of B or better.

PSY3021 1 Prof Opportunities in PSYC

- CBH 3004 COMPARATIVE PSYCHOLOGY
- EXP 3104 SENSORY PERCEPTION
- PSB 3002 PSYCHOBIOLOGY

#### RESEARCH METHODS AND LAB REQUIREMENT

- EXP 3412 LEARNING THEORY
- EXP 3604 COGNITIVE PSYCHOLOGY

#### Experimental Courses (12 credits)

For all Bachelor of Science students, Research Methods and Lab, PSY 3214 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

## Major Requirements (18 credits)

Requires grades of C or higher.

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 2 FROM THE FOLLOWING:

- SOP 3004 Social Psychology
- PSY 4604 History of Psychology
- PPE 4003 Theories of Personality
- DEP 3054 Lifespan Developmental Psychology

SELECT D 1 FROM THE FOLLOWING:

- CBH 3004 Comparative Psychology
- DEP 3054 Lifespan Developmental Psychology
- EXP 3412 Learning Theory
- EXP 3104 Human Sensory Perception
- PPE 4003 Theories of Personality
- PSY 4604 History of Psychology
- CLP 4143 Psychology of Abnormal Behavior
- CLP 4313 Health Psychology
- SOP 3004 Social Psychology
- PSB 3002 Psychobiology

## Major Electives (12 credits)

No more than 3 hours in Directed Individual Study, Supervised Research, Honors Research, or Practicum may be used as major elective credits. However, additional hours of these courses may be taken as free electives.

SELECT 12 HOURS (3000/4000):

- CBH CLP DEP EAB EXP INP PCO PPE PSB PSY SOP

## Free Electives (13 credits)

SELECT 13 HRS FREE ELECT 3000/4000

This degree requires a minimum of 120 total hours with 48 upper (3000/4000) level hours. Free electives may be courses in any discipline (provided the required prerequisites are met) and they are the hours needed to satisfy the total hour requirement. These hours may vary (consult your advisor about free elective hours needed to graduate).

Permalink:





UNDERGRADUATE CATALOG 2009-2010

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 may petition the Program Director to substitute two regional/thematic courses in place of the intermediate-level language courses.

Major Requirements (15 credits)

Requires grades of C or above.

ANT3212 3 CD-(FC)Peoples/Cultures World

ECO3701 3 CD-Contemporary Intl Eco

GEO3553 3 Cultural Dimensions of Eco Geo

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
- ANT 4801 Ethnographic Methods
- HIS 3051 The Craft of the Historian
- POS 3713 Political Inquiry & Analysis

## International Educational Experience

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 0 Int'l Educ Experience

- Successful completion of an UNF sponsored study abroad program.
- Successful completion of another university sponsored study abroad program.
- Successful completion of a student exchange program abroad.
- Successful completion of a language study abroad program.
- Successful completion of an internship program abroad.
- Successful completion of a United States based international experience.

## Capstone Seminar (3 credits)

INR4930 3 Capstone Seminar: Intl Studies

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 4801 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 3300 Modern Latin America
- LAH 3712 Inter-American Relations
- LAH 3932 Selected Topics: Latin American History
- LAH 4932 Seminar: Latin American History
- LAS 3020 Peoples & Cultures of the Caribbean
- LAS 3031 Peoples & Cultures of the Southern Cone
- LAS 3033 Peoples & Cultures of Central America & Mexico
- LAS 3280 Issues in Modern Brazilian Culture
- LAS 3930 Culture of Latin America
- SPN 3501 Hispanic Culture

## 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 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).

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Sociology  
Concentration: Social Welfare  
Degree: Bachelor of Arts

#### Prerequisites (6 credits)

SELECT 2 INTRO SOCIOLOGY (1000/2000)  
SYG/SYA/SYD/SYO/SYP

#### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

#### Major Requirements (25 credits)

SYA 3300 requires an elementary statistics course as preparation.

SYA3300 3 Logic of Inquiry

Prereq: Elementary Statistics

SYA3310 3 Qualitative Research Methods

Prereq: SYA 3300

SYA3450C 3 Social Science Data Analysis

Prereq: SYA 3300

SYA4010 3 Sociological Theory

Prereq: Intro Sociology & 2 upper level Sociology course

SOW3203 3 Social Welfare Institutions

SOW4302 3 Social Work Practice I

Prereq: SOW 3203



SOW4322 3 Social Work Practice II

Prereq: SOW 3203

SOW4510 1 Practicum Seminar

Coreq: SOW 4511; Prereqs: SOW 3203, SOW 4302, SOW 4322

SOW4511 3 Community Agency Practicum

Coreq: SOW 4510; Prereqs: SOW 3203, SOW 4302, SOW 4322

## Major Electives (12 credits)

### SELECT 4 SOCIOLOGY ELECTIVES

- SOW 4930 ST: Social Welfare
- SYA 3931 ST: Sociology
- SYA 4930 ST: Sociology
- SYA 4905 Directed Individual Study
- 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 Race & Cultural Minorities
- SYD 3800 Gender & Society
- SYD 4601 Community Organization, Change & Development
- SYO 3110 Sexuality & Marriage
- 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 3520 Criminology
- 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

## 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 a minor.)

Permalink:



UNDERGRADUATE CATALOG 2009-2010

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 may petition the Program Director to substitute two regional/thematic courses in place of the intermediate-level language courses.

Major Requirements (15 credits)

Requires grades of C or above.

ANT3212 3 CD-(FC)Peoples/Cultures World

ECO3701 3 CD-Contemporary Intl Eco

GEO3553 3 Cultural Dimensions of Eco Geo

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
- ANT 4801 Ethnographic Methods
- HIS 3051 The Craft of the Historian
- POS 3713 Political Inquiry & Analysis

## International Educational Experience

All majors must complete an approved (meaning approval by the program director) international experience from one of the following options:

INR3950 0 Int'l Educ Experience

- Successful completion of an UNF sponsored study abroad program.
- Successful completion of another university sponsored study abroad program.
- Successful completion of a student exchange program abroad.
- Successful completion of a language study abroad program.
- Successful completion of an internship program abroad.
- Successful completion of a United States based international experience.

## Capstone Seminar (3 credits)

INR4930 3 Capstone Seminar: Intl Studies

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 4801 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
- FRT 3551 Francophone African Literature & Stylistics
- REL 3607 Selected Topics in Jewish Studies

## 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 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).

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UNDERGRADUATE CATALOG 2009-2010

## Major: Sociology Degree: Bachelor of Arts

### Prerequisites (6 credits)

SELECT 2 INTRO SOCIOLOGY (1000/2000)  
SYG/SYA/SYD/SYO/SYP

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

### Major Requirements (12 credits)

SYA 3300 requires an elementary statistics course as preparation.

SYA3300 3 Logic of Inquiry  
Prereq: Elementary Statistics

SYA3310 3 Qualitative Research Methods  
Prereq: SYA 3300

SYA3450C 3 Social Science Data Analysis  
Prereq: SYA 3300

SYA4010 3 Sociological Theory  
Prereq: Intro Sociology & 2 upper level Sociology course

### Major Electives (21 credits)

SELECT 7 SOCIOLOGY ELECTIVES

- SYA 3931 ST: Sociology
- SYA 4930 ST: Sociology
- SYA 4905 Directed Individual Study
- 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 Race & Cultural Minorities
- SYD 3800 Gender & Society
- SYD 4601 Community Organization, Change & Development
- SYO 3110 Sexuality & Marriage
- 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 3520 Criminology
- 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

### 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 a minor.)

### 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).

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UNDERGRADUATE CATALOG 2009-2010

## Major: Liberal Studies Degree: Bachelor of Arts

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

### Major Requirements (12 credits)

#### SELECT A 1 FINE ART 3000/4000

- ARH HUM MUH

#### SELECT B 1 COMMUNICATIVE ART 3000/4000

- ADV AMH AML ASH ASN CRW ENG ENL EUH HIS JOU LAH LIT  
MMC PHH PHI PHM PHP PUR REL RTV

#### SELECT C 1 SOCIAL SCIENCE 3000/4000

- ANT CLP CPO DEP EAB ECO EXP INP INR PAD PCO POS POT  
PPE SOP SYA SYD SYG SYO SYP PSY PUP

#### SELECT D 1 NATURAL SCIENCE 3000/4000

- APB BCH BSC CHM CHS MCB OCB OCE PHY ZOO

### Major Electives (40 credits)

SELECT 21 HRS TO SUPPORT THE THEME

Courses to be chosen in areas related to major theme.  
No more than 9 hours outside the College of Arts & Sciences.

#### RESEARCH METHODS REQUIREMENT

Select 1 research methods appropriate to exposition topic.

Note: POS 3713, SYA 3300, and PSY 3214/3213L all require elementary statistics.

- ANT 4192 Archaeological Research Strategy
- CCJ 3700 Research Methods in Criminology & Criminal Justice
- ENG 4013 Approaches to Literary Interpretation
- HIS 3051 Craft of the Historian
- POS 3713 Political Inquiry & Analysis
- PSY 3214 Research Methods in Psychology
- PSY 3213L Research Methods Lab
- SYA 3300 Logic of Inquiry

#### SELECT 3 THEME COURSES 3000/4000

(must be directly related to exposition topic)

IDS4910 3 -9 Liberal Studies Expo

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UNDERGRADUATE CATALOG 2009-2010

## 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 3 Intermediate Spanish I

SPN2201 3 Intermediate Spanish II

#### Major Requirements (15 credits)

SPN3242 3 Spanish Conversation

Prereq: SPN 2201

SPN3300 3 Composition in Spanish

Prereq: SPN 2201

Heritage speakers may substitute SPN 3350 Spanish for Speakers of Spanish for SPN 3300 Composition in Spanish

SPW3030 3 Interpreting Hispanic Lit

Prereqs: SPN 3242 & SPN 3300

SELECT 1 FROM THE FOLLOWING:

- SPN 3500 Peoples & Cultures of Spain
- SPN 3501 Hispanic Culture
- SPN 4541 Advanced Studies in Hispanic Culture
- SPN 4940 Internship for Service/Employment in Spanish
- LAS 3020 Peoples & Cultures of the Caribbean
- LAS 3310 Peoples & Cultures of Mexico
- LAS 3031 Peoples & Cultures of the Southern Cone
- LAS 3930 Cultures of Latin America
- ANT 4331 People of the Andes

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
- SPN 4930 Seminar
- SPW 4223 Hispanic Genres
- SPW 4400 Periods of Spanish Literature
- SPW 4193 Periods of Latin American Literature

### Major Electives (15 credits)

SELECT 5 COURSES AT 3000/4000 LEVEL

- SPN/SPW

### 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 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).

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UNDERGRADUATE CATALOG 2009-2010

## Major: Mathematics Degree: Bachelor of Arts

### Prerequisites (22 credits)

Requires grades of C or above.

MAC2311 4 G(M) Calculus I

MAC2312 4 G(M) Calculus II

MAC2313 4 G(M) Calculus III

MAP2302 3 G(M) Ordinary Differ Equations

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

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

#### TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

#### FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 hours of foreign culture courses instead of 8 hours of college level foreign language.
- Foreign cultures contain (FC) in the course title.
- A complete list of foreign culture courses can be found in the Arts & Sciences Advising Office.

### Major 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 3 G(M) Foundations of Mathematics  
Prereq: MAC 2312

MAS3105 4 G(M) Linear Algebra  
Prereq: MAC 2312

MAA4211 4 G(M) Advanced Calculus I  
Prereqs: MAC 2313, MAS 3105, & MHF 3202

MAA4212 3 G(M) Advanced Calculus II  
Prereq: MAA 4211

MAS4301 4 G(M) Abstract Algebra I  
Prereqs: MAS 3105 & MHF 3202

### Contextual Courses (4 credits)

STA4321 4 G(M) Probability and Statistics  
Prereq: MAC 2312

### Major Electives (9 credits)

Check catalog course descriptions for course prerequisites.

SELECT 3 FROM THE FOLLOWING:

- MAA 4402 Complex Analysis
- MAD 3107 Discrete Mathematics
- MAD 4401 Numerical Analysis
- 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 4445 Probability Models

### Capstone Experience (2 credits)

MAS4932 2 Capstone Experience in Math  
Prereq: Senior standing & permission of 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).

### Free Electives (4 credits)

SELECT 4 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).

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UNDERGRADUATE CATALOG 2009-2010

## 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 4 G(M) Calculus I

Prereq: MAC 1147

MAC2312 4 G(M) Calculus II

Prereq: MAC 2311

MAC2313 4 G(M) Calculus III

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

### Foreign Language/Foreign Cultures

All BA students in the College of Arts and Sciences are required to complete the foreign language or foreign culture requirement with grades of C or higher.

TAKE 8 HRS OF FOREIGN LANGUAGE

- Select one sequence of Spanish, French, Chinese, German, Japanese, Latin, Portuguese, Russian, or American Sign Language.
- Part 1 of languages are typically offered in the fall and part 2 in the spring.

FC Foreign Culture Option

- Students who successfully completed 2 years of foreign language in high school have the option of taking 9 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 &

## Major Requirements (18 credits)

Grades of C or higher required in all major courses.

MAS3105 4 G(M) Linear Algebra  
Prereq: MAC 2312

STA3163 4 G(M) Statistical Methods I  
Prereq: STA 2014 or STA 2023 or STA 4321

STA3164 3 G(M) Statistical Methods II  
Prereq: STA 3163

STA4321 4 G(M) Probability and Statistics  
Prereq: MAC 2312

STA4322 3 G(M) Statistical Theory  
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
- 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 4906 Directed Individual Study

## Capstone Experience (2 credits)

Graduation requirement: students must maintain a portfolio according to department guidelines and submit it to their capstone professor.

STA4945 2 G(M) Statistics Capstone  
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).

## Free Electives (5 credits)

ELECTIVES 5 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).

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UNDERGRADUATE CATALOG 2009-2010

## Major: Mathematics

### Degree: Bachelor of Science

#### Prerequisites (22 credits)

Requires grades of C or above.

MAC2311 4 G(M) Calculus I

MAC2312 4 G(M) Calculus II

MAC2313 4 G(M) Calculus III

MAP2302 3 G(M) Ordinary Differ Equations

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 3 G(M) Foundations of Mathematics

Prereq: MAC 2312

MAS3105 4 G(M) Linear Algebra

Prereq: MAC 2312

MAA4211 4 G(M) Advanced Calculus I

Prereqs: MAC 2313, MAS 3105, & MHF 3202

MAA4212 3 G(M) Advanced Calculus II

Prereq: MAA 4211

MAS4301 4 G(M) Abstract Algebra I

Prereqs: MAS 3105 & MHF 3202

#### Contextual Courses (4 credits)

STA4321 4 G(M) Probability and Statistics

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 4401 Numerical Analysis
- 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 4445 Probability Models

## Capstone Experience (2 credits)

MAS4932 2 Capstone Experience in Math

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 (9 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).

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UNDERGRADUATE CATALOG 2009-2010

## 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 4 G(M) Calculus I

Prereq: MAC 1147

MAC2312 4 G(M) Calculus II

Prereq: MAC 2311

MAC2313 4 G(M) Calculus III

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 (18 credits)

Grades of C or higher required in all major courses.

MAS3105 4 G(M) Linear Algebra

Prereq: MAC 2312

STA3163 4 G(M) Statistical Methods I

Prereq: STA 2014 or STA 2023 or STA 4321

STA3164 3 G(M) Statistical Methods II

Prereq: STA 3163

STA4321 4 G(M) Probability and Statistics

Prereq: MAC 2312

STA4322 3 G(M) Statistical Theory

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 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

### Capstone Experience (2 credits)

Graduation requirement: students must maintain a portfolio according to department guidelines and submit it to their capstone professor.

STA4945 2 G(M) Statistics Capstone

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 (10 credits)

ELECTIVES 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).

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UNDERGRADUATE CATALOG 2009-2010

### Minor: African Amer Studies/Diaspora (15 credits)

No more than 6 semester hours, or 2 course carrying lower level numbers may be used in the minor.

A minimum of 9 semester hours must be taken at UNF.

A grade of C or better is required for all minor courses.

#### SELECT 1 OF THE FOLLOWING:

- Internship
- Service Learning
- Study Abroad
- Independent Study

AMH3673 3 The Civil Rights Movement

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 3055 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

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UNDERGRADUATE CATALOG 2009-2010

### 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

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UNDERGRADUATE CATALOG 2009-2010

### Minor: Anthropology (15 credits)

No more than 6 semester hours, or 2 courses, may be transferred in to satisfy minor course requirements.

No more than 3 semester hours, or 1 course carrying lower division numbers may be used to satisfy any minor requirements.

A grade of C or better must be earned in each minor course.

SELECT 3 FROM THE FOLLOWING:

- ANT 3933 Seminar in Anthropology
- ANT 3610 Linguistic Anthropology
- ANT 3514 Principles of Physical Anthropology
- ANT 4034 Survey of Anthropological Theories
- ANT 4115 Archaeological Research Strategies
- ANT 4083 Quantitative Methods in Anthropology
- ANT 4497 Ethnographic Methods

SELECT 2 ELECTIVES (3000/4000)

- ANT

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UNDERGRADUATE CATALOG 2009-2010

### 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 can not 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 3400 Philosophy of Law
- PHM 4340 Contemporary Political Philosophy

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UNDERGRADUATE CATALOG 2009-2010

### 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 4 G(M) Statistical Methods I

Prereq: MAC 1105 or MAC 1147

STA3164 3 G(M) Statistical Methods II

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

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UNDERGRADUATE CATALOG 2009-2010

### 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 3 Media Literacy

MMC3105 3 Advanced Writing For The Media

MMC3614 3 Media Theories and Effects

SELECT 2 FROM THE FOLLOWING:

- ADV 3008 Principles of Advertising
- JOU 3204 Principles of Journalism
- PUR 3000 Principles of Public Relations
- MMC 3200 Law & Ethics in Communications
- RTV 3000 Principles of Broadcasting
- SPC 4064 Public Speaking for Professionals

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UNDERGRADUATE CATALOG 2009-2010

### 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 3 Art History Survey I

ARH2051 3 Art History Survey II

SELECT 3 ART HIST COURSES (3000/4000)

- ARH

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UNDERGRADUATE CATALOG 2009-2010

### Minor: Mathematical Science (25 credits)

Students may transfer in Calculus II and Ordinary Differential Equations as part of the minor courses.

A grade of C or better is required for all minor courses and prerequisites.

MAC2311 4 G(M) Calculus I

Prereq: MAC 1147

MAC2312 4 G(M) Calculus II

Prereq: MAC 2311

MAC2313 4 G(M) Calculus III

Prereq: MAC 2312

MAP2302 3 G(M) Ordinary Differ Equations

Prereq: MAC 2312

MAS3105 4 G(M) Linear Algebra

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 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)

Minor: Mathematics Minor for BA/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 3 G(M) Ordinary Differ Equations

MAD4401 3 G(M) Numerical Analysis

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
- 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)

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 3 G(M) Ordinary Differ Equations

Prereq: MAC 2312

MAD4401 3 G(M) Numerical Analysis

SELECT 3 FROM MATH MAJOR ELECTIVES

- MAA MAC MAD MAP MAS MAT MHF MTG

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Asian Studies (15 credits)

A minimum of 6 hours must be taken at UNF.

No more than 6 semester hours, or 2 courses of lower-level course work may be used in the minor.

A grade of C or better is required in all minor courses.

ASN2003 3 CD-Introduction to Asia

SELECT 4 FROM THE FOLLOWING:

- ASH 3448 Hiroshima
- SYP 4351 Social Movements & Social Change
- HIS 4936 Seminars
- ASH 3337 Gandhi/Modern India
- ASH 3441 Japan Before 1868
- ASH 3440 Japanese Civilization
- GEO 2420 Cultural Geography
- ASH 3601 Chinese Philosophy
- ASH 3620 Asian Art & Culture
- MAN 4600 Management of International Business
- LIT 3193 Literature of the East
- CPO 4930 The Pacific Rim
- PHH 3860 The Japanese Mind
- PHH 3820 Chinese Philosophy
- PHH 3811 The Philosophy of Zen Buddhism
- JPN 1120 Beginning Japanese I
- JPN 1121 Beginning Japanese II

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Music History (15 credits)

A minimum of 50% of the courses required for the minor must be taken at UNF. Courses with lower level numbers may be used in the minor, but a minimum of 9 semester hours of upper level courses is required for the music minor. A grade of C or above is required for all minor courses. Not available to music majors.

#### SELECT 5 MUSIC HISTORY ELECTIVES

- MUH 2012 Enjoyment of Music
- MUH 2018 The Evolution of Jazz
- MUH 2015 American Music: Past & Present
- MUH 2017 The History & Appreciation of Rock
- MUH 3055 African American Musical Heritage
- MUS 3930 Great Composers
- MUS 3930 The Gospel Truth
- MUM 3701 Music Business
- HUM 3524 Great Age of Vienna

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Behavioral Medicine (15 credits)

Psychology majors may not have a Behavioral Medicine Minor.

No more than 50% of the courses required for the minor may be transferred from another institution.

No more than 3 semester hours of lower level course work may be used to fulfill minor requirements.

A grade of C or better is required for all minor courses.

PSY2012 3 Introduction to Psychology

CLP4183 3 Stress Management

EAB4703 3 Behavior Modification

CLP4314 3 Behavioral Medicine

PSB4113 3 Principles of Biofeedback

SELECT 1 FROM: (3000/4000)

- CBH CLP DEP EAB EXP INP PCO PPE PSY SOP

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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 can not be used as part of the philosophy minor.

SELECT 5 PHILO ELECTIVES (3000/4000)

- PHI PHH PHM PHP

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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

Permalink:



## UNDERGRADUATE CATALOG 2009-2010

### 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 3 Black and White Photography

PGY3410C 3 Intermediate Photography

PREREQ: PGY 2401C

SELECT 1 FROM THE FOLLOWING:

- PGY 3801C Digital Imaging for Photo Majors
- PGY 4610 Photojournalism

SELECT 1 FROM THE FOLLOWING:

- ARH 4712 Photohistory 1839-1916
- ARH 4713 Photohistory 1916 to the Present

SELECT 1 FROM THE FOLLOWING:

- ART 1201C Two Dimensional Design
  - ART 2605C Basic Computer Images
  - PGY 4610 Photojournalism
  - PGY 4220C Advanced Photo Illustration
  - PGY 4201C Advanced Lighting Principles
  - PGY 3801C Digital Imaging for Photo Majors
- Note: PGY 2110C is required prior to enrolling in PGY 4201C and PGY 4220C.

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Chemistry (20 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.

#### 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 4 Quantitative Analytical Chemis 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)

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 4620 Advanced Inorganic Chemistry
- CHM 4200 Solid State Chemistry
- CHM 4910 Chemical Research
- CHM 4930 ST: Chemistry
- CHS 4445 Environmental Chemistry
- CHS 4445L Environmental Chemistry Lab

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Physics (20 credits)

All courses required for the minor may be transferred with prior approval of the department chair.

A cumulative average of 2.5 is required.

PHY2048 4 Calculus-Based Physics I  
PHY2048L 1 Calculus-Based Physics I Lab  
PHY2049 4 Calculus-Based Physics II  
PHY2049L 1 Calculus-Based Physics II Lab  
PHY3101 3 Modern Physics  
PHY3101L 1 Modern Physics Lab  
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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Classical Civilization (15 credits)

Nine credit hours must be taken at UNF.

Nine credit hours must be upper level (3000/4000)

A grade of C or better is required for all minor courses.

SELECT 1 FROM THE FOLLOWING:

- EUH 3403 Ancient Greece
- 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.

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Political Science (15 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor course requirements.

A grade of C or better is required in all minor courses.

POS2041 3 Intro to American Government  
SELECT 4 COURSES (3000/4000)

- CPO INR PAD POS POT PUP

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Communication Studies (15 credits)

No more than 6 semester hours of transfer courses can be used for the minor.

A grade of C or better is required in all minor courses and prerequisites.

Majors in Communication may not pursue minors in either of the two communication minors.

Prerequisites must be completed before a second course that requires that prerequisite.

COM3003 3 Prin of Comm Studies

SPC2608 3 Fundamentals of Speech

SELECT AT LEAST 1 FROM THE FOLLOWING:

- COM 3120 Organizational Communication
- COM 3042 Interpersonal Communication
- COM 4301 Communication Theory & Research Methods

SELECT 2 FROM THE FOLLOWING:

- MMC 3620 International Study in Communications
- COM 4430 International Communication
- COM 3440 Small Group Communication
- MMC 3402 Political Advertising
- MMC 3609 Public Opinion & Persuasion
- COM 3346 Interviewing: Theories & Methods
- COM 4411 Communication & Popular Culture
- MMC 4420 Mass Communication Research
- RTV 4403 Media Criticism
- COM 4022 Theory & Research Methods in Health Communication
- COM 4930 Special Topics in Communication Studies

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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 3 Introduction to Psychology

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 3214 Research Methods in Psychology
- PSY 4604 History of Psychology

SELECT 3 COURSES FROM (3000/4000)

- CBH CLP DEP EAB EXP INP PCO PPE PSY SOP PSB

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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 3 Intro to Criminal Justice  
CCJ3014 3 Criminological Theory  
CJL4310 3 Criminal Law and Procedures I  
SELECT 2 COURSES FROM: (3000/4000)

- CCJ CJC CJL CJT

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Public Administration (15 credits)

No more than 6 semester hours, or 2 courses may be transferred in to satisfy minor courses requirements.

A grade of C or better is required in all minor courses.

POS2041 3 Intro to American Government  
POS3114 3 Issues State/Local Government  
PAD4003 3 Public Administration

SELECT 2 FROM THE FOLLOWING:

- PAD 4027 Issues in Public Management
- POS 3713 Political Inquiry & Analysis
- POS 3606 US Supreme Court & Other Federal Courts
- POS 4167 Urban Policy & Planning

### Minor: Public Administration (15 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.

Select only courses that have not been used to fill Political Science Major requirements.

PAD4027 3 Issues in Public Management  
POS4167 3 Urban Policy and Planning  
PUP4518 3 Information Tech Politics

SELECT 2 COURSES FROM THE FOLLOWING:

- POS 3114 Issues in State & Local Government
- POS 3142 Politics & Policy in Urban Government
- PUP 3053 American Political Economy
- PUP 4612 Politics of Social Programs

### Minor: Public Administration (15 credits)

Minor: Public Administration Minor for Political Science Majors

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.

PAD4027 3 Issues in Public Management  
POS3114 3 Issues State/Local Government  
PUP4003 3 The Policy-Making Process

SELECT 2 COURSES FROM THE FOLLOWING:

- POS 3606 US Supreme & Federal Courts
- POS 4167 Urban Policy & Planning
- PUP 4612 Politics of Social Programs

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### 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 3 Aesthetics

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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Religious Studies (15 credits)

A grade of C or better is required for all minor courses.

Only 3 semester hours of lower level course work may be used in the minor.

At 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 3 CD-Comparative Religion

REL3102 3 CD- Religion as Culture

SELECT 3 FROM THE FOLLOWING:

- ANT 2990 Magic, Religion, & Science
- 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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Drama (15 credits)

A grade of C or better is required for all minor 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.

A minimum of 9 semester hours must be upper level.

LIT3045 3 Periods of Drama Literature

SELECT 6-7 HRS FROM THE FOLLOWING:

- CRW 4424 Playwrights' Project
- THE 4923 Play Production  
(THE 4923 may be repeated for 6 hours of credit)

SELECT 2 COURSES FROM THE FOLLOWING:

- LIT 3043 Modern & Contemporary Drama
- LIT 4041 Studies in Drama
- LIT 4243 Major Authors
- ENL 3333 Shakespeare
- TPP 2100 Acting Workshop

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Social Welfare (16 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.

SOW3203 3 Social Welfare Institutions

SOW4302 3 Social Work Practice I

Prereq: SOW 3203

SOW4322 3 Social Work Practice II

Prereq: SOW 3203

SOW4510 1 Practicum Seminar

Coreq: SOW 4511; Prereqs: SOW 3203, SOW 4302, SOW 4322

SOW4511 3 Community Agency Practicum

Coreq: SOW 4510

SELECT 1 FROM THE FOLLOWING:

- SYD 3700 Race & 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 4680 Family Violence
- CCJ 4501 Juvenile Delinq & Juvenile Justice
- ANT 3443 The City & Health
- SYD 4601 Community Organization, Change, & Development
- SOW 4930 ST: Social Welfare

Permalink:



UNF CATALOG 2009-2010

### Minor: Economics (21 credits)

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 chairperson in economics.

May not use ECO 3632/ ECO 3701/ ECP 3703 in the economics minor.

ECO2013 3 Principles of Macroeconomics  
ECO2023 3 Principles of Microeconomics  
ECO3101 3 Intermediate Microeconomics  
ECO3203 3 Intermediate Macroeconomics  
ECO3411 3 Business/Economic Statistics  
SELECT 2 COURSES FROM (3000/4000)

- ECO ECP ECS GEO

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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.

SYG2000 3 Introduction to Sociology

SELECT 4 COURSES FROM (3000/4000)

SYA SYD SYG SYO SYP

SYA4010 3 Sociological Theory

Prereq: Intro Sociology & 2 upper level Sociology courses

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: English (15 credits)

No more than 6 semester hours, or 2 courses of transfer credit may be used in the English minor.

No more than 6 semester hours, or 2 courses of lower level credit may be used in the English minor.

A minimum of 9 semester hours, or 3 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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Spanish (23 credits)

At least 3 courses (9 semester hours) must be upper level (3000/4000). Students may transfer up to 2 courses (6 semester hours) in the Spanish minor. A grade of C or better is required for all minor courses.

Note: Heritage speakers of Spanish must first consult with a Spanish faculty member (go to World Languages office for a referral) or the World Languages Chair for appropriate courses to take as Spanish electives.

#### PREREQ REQUIREMENT

- SPN 1120 Beginning Spanish I
- SPN 1121 Beginning Spanish II
- Or
- SPN 1134 Accelerated Beginning Spanish

Or demonstrate proficiency at the intermediate level. (The World Languages office will refer students to a Spanish faculty member for this purpose).

#### SELECT 5 SPANISH COURSES (3000/4000)

- SPN SPT SPW FOL FOT LAS
- \*Note: One course may be in English.

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### 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 3 Intro to Environmental Studies

PHI3640 3 Environmental Ethics

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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Statistics (19 credits)

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 courses.

#### PREREQ REQUIREMENT

Select 1 Course From:

- STA 2023 Elementary Statistics for Business
- STA 2014 Elementary Statistics for Health & Social Sciences

STA3163 4 G(M)Statistical Methods I

STA3164 3 G(M)Statistical Methods II

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

### Minor: Statistics (16 credits)

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 4 G(M)Statistical Methods I

STA3164 3 G(M)Statistical Methods II

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

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### Minor: Film Studies (15 credits)

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.

Courses cannot double count in both a major and minor.

LIT3213 3 The Art of Critical Reading

FIL2000 3 Intro to Film Studies

SELECT 3 COURSES FROM :

- FIL 3826 American Film
- FIL 3930 Topics in Film
- FIL 4932 Documentary Studies
- FIL 4931 Advanced Topics in Film
- FIL 4822 French Cinema
- HIS 3317 History in Photography & Film
- FIL 4828 International Film
- PHI 3880 Philosophy of Film

Only ONE of the following courses can fulfill minor requirements.

- LIT 4931 Audio/Visual/Text: Documentary Workshop
- CRW 3930 Screenwriting Workshop
- ENG 4105 Film & Literature
- CCJ 4990 Crime & Mass Media
- LAH 3XXX Colonial Latin American History
- LAH 3XXX Modern Latin American History

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Studies in Applied Ethics (15 credits)

Of the total 15 hours for the minor, 12 must be upper level.

A minimum of 6 semester hours in philosophy must be taken at UNF.

6 semester hours may be transferred towards the minor.

Germany Today, The Japanese Mind, and The Greek Experience cannot be used as part of the minor.

PHI3601 3 Ethics

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 3930 ST: Philosophy
- PHI 4453 Philosophy of Psychiatry
- PHM 3400 Philosophy of Law
- PHI 4930 Topics in Philosophy
- PHM 3050 Ethical Issues in Death & Dying
- PHI 3684 The Art of Living
- PHI 3670 Moral Conflict

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: French (23 credits)

No more than 1 French course (3 hours) taught in English may be included in the minor.

At least 9 semester hours or 3 courses must be upper level

Only 6 semester hours or 2 courses may be transferred from another institution into the minor.

A grade of C or better is required for all minor courses, including prerequisites.

FRE1120 4 Beginning French I

FRE1121 4 Beginning French II

SELECT 5 FRENCH ELECTIVES (3000/4000)

- FRE FRT FRW FOL FOT

Note: Heritage speakers of French may consult with the World Languages Chair or French faculty for appropriate French electives.

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Studio Art (18 credits)

A minimum of 50% of the courses required for any fine arts minor must be taken at UNF.

Courses taken with lower-level numbers may be used as part of the minor, but a minimum of 9 semester hours in upper-level courses is required for all minors.

Courses used in the art major may not be duplicated in any of the art minors. Instead, substitute courses will be required.

Courses must be taken in sequence. If a course is a prerequisite for a second course, they may not be taken at the same time. Written permission from the department chair is required to override either of these policies.

ART1300C 3 Drawing I

ART2500C 3 Painting Fundamentals

Prereq: One drawing course

ART3504C 3 Painting Studio

Prereq: ART 2500C

SELECT 2 ART ELECTIVES (3000/4000)

- ART PGY

SELECT 1 ART HISTORY (3000/4000)

- ARH

Permalink:





UNDERGRADUATE CATALOG 2009-2010

### 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 3 CD - Gender and Society

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 Novalist
- 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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### Minor: Urban & Metropolitan Studies (15 credits)

Students may count select special topics courses toward the minor, with advance permission of the coordinator.

A single course cannot satisfy requirements for the student's major and the Urban and Metropolitan Studies minor.

Only two transfer courses may be applied toward minor courses.

IDS3213 3 Introduction to the Metropolis

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

Permalink:



UNDERGRADUATE CATALOG 2009-2010

### 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)

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UNDERGRADUATE CATALOG 2009-2010

## Major: Building Construction Degree: Bachelor of Science

### Informational Text

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

Building Construction Prerequisites: (12 requirements - 38.0 semester hours)(F07--...)

MAC2233 3 G(M)Calculus for Business

STA2023 3 G(M) Elem Statistics-Business

BCN1251 3 Construction Drawing

BCN1210C 3 Construction Materials

BCN2405 3 Introduction to Structures

CGS1100 3 Computer Applications for Busi

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 3 Principles of Macroeconomics

ECO2023 3 Principles of Microeconomics

ACG2021 3 Prin of Financial Accounting

BUL3130 3 Legal Environment of Business

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.

### Foundation

Building Construction - Business Requirements: (2 courses - 6.0 semester hours)[F07 - ...]

MAR3023 3 Principles of Marketing  
SELECT One business elective:

- REE 4043 Real Estate Analysis
- ACG2071 Princ of Managerial Accounting
- MAN3025 Administrative Management

## Core Requirements

Building Construction Core: (19 courses - 55.0 semester hours)[F07 - ...]

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.

BCN3012 3 History/Intro Const  
BCN3223 3 Soils and Foundations  
BCN3224 3 Construction Techniques  
BCN3611C 3 Construction Cost Estimating  
BCN3762 3 Building Const Design and Code  
BCN3782 3 Intro Construction Computing  
BCN4284 3 Surveying: Construction Layout  
BCN4431 3 Structural Systems  
BCN4591C 3 Mech and Elec Sys  
BCN4612 3 Advanced Construction Estimati  
BCN4708 3 Construction Documents/Contrac  
BCN4709 3 Construction Proj Mgt Cap  
BCN4720 3 Constr Project Plan/Scheduling  
BCN4730 3 Construction Safety  
BCN4753 3 Construction Admin/Economics  
BCN4931 1 -3 Seminar:Construction Mgt  
BCN4944 3 Construction Management Intern

(Note: Internship can be taken only two times for credit -- once for Internship credit and once for a concentration selection.)

SELECT 2 courses for a concentration:

- BCN 4587C Green Construction/Sustainability I
- BCN 4594C Green Construction/Sustainability II
- BCN 4751C Housing & Land Development I
- BCN 4758C Housing & Land Development II
- BCN 4870C Heavy/Civil Construction I
- BCN 4872C Heavy/Civil Construction II
- BCN 4871C Commercial Construction I
- BCN 4873C Commercial Construction II
- BCN 4801C Industrial Construction I
- BCN 4802C Industrial Construction II

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UNDERGRADUATE CATALOG 2009-2010

Major: Computer & Info Sciences  
Concentration: Information Technology  
Degree: Bachelor of Science

### Informational Text

Bachelor of Science in Computer & 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 - 15.0 semester hours)  
All course work must be completed with a grade of C or better.

MAC2233 3 G(M)Calculus for Business  
CGS1570 3 Microcomputer Applica Software  
STA2023 3 G(M) Elem Statistics-Business  
SPEECH Select any public speaking\*SPC  
COP2551 3 Introduction to OO Programming  
COP 2551 (JAVA) or an equivalent object-oriented programming course is required. A second language is recommended.

### Core Requirements (26 credits)

Information Technology Core Requirements: (8 courses - 26.0 semester hours)

COT3100 3 Computational Structures  
COP3540 4 Data Structures Using OOP

CGS4307 3 Info Proc: Organizational Pers  
CGS4308 3 Info Proc: Req Identi Spec  
CDA3101 4 Introduction Computer Hardware  
CDA4503 3 Computer Networks/Dist Process  
CIS4253 3 Legal & Ethical Iss in Comput  
CIS4360 3 Gen Cmp Security Adm

## Major Requirements

Information Technology Major Requirements: Select one concentration (4 courses - 12.0-14.0 hours)

### C 1. Computer Networking

\*Concentration in Computer Networking: (12 hrs)

- COP4813 Internet Programming
- CDA 4527 Network Design/Planning
- CIS 4363 Network Security/Management
- CIS 4103 Web Performance

### C 2. Mobile Computing

\*Concentration in Mobile Computing: (14 hrs)

- CEN 4533C Wireless/Mobile Computing
- CEN 4535C Mobile Software App Development
- CIS 4593 Mobile Computing Capstone I
- CIS 4594 Mobile Computing Capstone II

### C 3. Computer Security Admin

\*Concentration in Computer Security Administration: (12 hrs)

- CIS 4365 Security & Disaster Preparedness
- CIS 4615 Secure Software Development
- Select two (2) of the following:
  - -- CIS 4362 Computer Cryptography
  - -- CIS 4364 IS Intrusion Detection
  - -- CIS 4366 Computer Forensics

## Technical Electives (12 credits)

Information Technology Technical Electives: (minimum of 12.0 hours - 4 courses)

SELECT 3 - 4 upper technology courses

Select a minimum of 12 hrs of upper level courses from the following 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.

## Electives (4 credits)

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)

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UNDERGRADUATE CATALOG 2009-2010

## Major: Civil Engineering

### Degree: Bachelor of Science

#### Prerequisites

All Engineering Prerequisites must be completed with a "C" or higher. (29.00 credit hours)

##### MATH Math requirement:

- MAC2311 Calculus I
  - MAC2312 Calculus II
  - MAC2313 Calculus III
  - MAP2302 Ordinary Diff. Equations
- \*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 2213.  
 \*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:

- PHY2048+L Calculus Based Physics I \*
- \*Students who did not successfully complete high school physics must complete PHY1020C Intro to Physics 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:

- PHY2049+L Calculus Based Physics II \*
- \*PHY2049C may be substituted for lecture and lab.  
 \*PHY2044 may be substituted for the lecture.

Foundation

Civil Engineering Foundation: (8 courses - 21.0 semester hours)

EEL3111 3 Circuit Analysis I  
EGN1001 2 Introduction to Engineering I  
EGN2009 2 Introduction to Engineering II  
EGN3202 3 Computer Aided Engineering  
EGN3311 3 Statics  
EGN3613 2 Economics for Engineers  
EML3100 3 Thermodynamics I  
STA3032 3 G(M) Prob/Statistics for Engrs

## Core Requirements

Civil Engineering Core: (5 courses - 16.0 semester hours)

CES3100 4 Analysis of Structures  
CES3104C 3 Mechanics of Materials  
CGN3322C 3 Civil Engineering Surveying  
CWR3201 3 Fluid Mechanics  
EGN3321 3 Dynamics

## Major Requirements

Civil Engineering Major Requirements: (10 courses - 32.0 semester hours)

CEG3011C 4 Geotechnical Engineering  
CEG3111 3 Foundation Engineering  
CES3605C 3 Design of Steel Structures  
CES4702C 3 Design of Reinforced Concrete  
CGN3501C 4 Civil Engineering Materials  
CGN4803 1 Senior Capstone Design I  
CGN4804 3 Senior Capstone Design II  
CWR4202C 4 Hydraulic Engineering  
ENV3001C 4 Environmental Engineering  
TTE4004 3 Transportation Engineering

## Technical Electives (6 credits)

Civil Engineering Technical Electives: (2 courses - 6.0 semester hours)

Select Six hours from the Courses listed below.

SELECT 6 Hrs. from the following:

- ENV 4012 Adv Environ Engineering
- CES 4101 Adv Structure Systems
- TTE 4201 Adv Transport Engineering
- CGN 4905 Directed Independent Study (1-3 hrs)
- CGN 3930 Special Topics: Civil Engineering (1-3 hrs)
- CGN 4931 Special Topics: Civil Engineering (1-3 hrs)
- CGN 4949 Co-op Work Experience (0-1 hr.)

## Electives

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)

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UNDERGRADUATE CATALOG 2009-2010

Major: Electrical Engineering  
Concentration: Engineering(Computer Design)  
Degree: BS in Electrical Engineering

Prerequisites

All Engineering Prerequisites must be completed with a "C" or higher. (29.00 credit hours)

MATH Math requirement:

- MAC2311 Calculus I
  - MAC2312 Calculus II
  - MAC2313 Calculus III
  - MAP2302 Ordinary Diff. Equations
- \*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 2213.  
\*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:

- PHY2048+L Calculus Based Physics I \*
- \*Students who did not successfully complete high school physics must complete PHY1020C Intro to Physics 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:

- PHY2049+L Calculus Based Physics II \*
- \*PHY2049C may be substituted for lecture and lab.  
\*PHY2044 may be substituted for the lecture.

## Foundation

Electrical Engineering (System Design or Computer Design) Foundation: (6 courses - 16.0 semester hours)

COP2220 3 Computer Science I  
EGN1001 2 Introduction to Engineering I  
EGN2009 2 Introduction to Engineering II  
EGN3311 3 Statics  
SELECT one of the following:

- EGN3321 Dynamics
- EGN3358 Applied Thermal Sciences

STA3032 3 G(M) Prob/Statistics for Engrs

## Core Requirements

Electrical Engineering (Computer Design) Core: (12 courses - 36.0 semester hours)

EEL3111 3 Circuit Analysis I  
EEL3112 3 Circuit Analysis II  
EEL3135 3 Signals and Systems  
EEL3303L 1 Electrical Circuits Laboratory  
EEL3304 3 Electronic Circuits I  
EEL3701C 4 Introduction Digital Systems  
EEL3889C 3 Intro Embedded System Design  
EEE4309C 4 Electronic Circuits II  
EEL4657C 4 Linear Control Systems  
EEL4744C 4 Microcontroller Applications  
EEL4914 1 Senior Design I  
EEL4915 3 Electrical Engineer Design II

## Major Requirements

Electrical Engineering (Computer Design) Major Requirements: (5 courses - 15.0 semester hours)

COP3503 3 Computer Science II  
COP3530 4 Data Structures  
EEL4712C 4 Digital Design  
EEL4713 3 Digital Computer Architecture  
EEL4713L 1 Digital Comp Architecture Lab

## Technical Electives

Electrical Engineering (Computer Design) Technical Electives: (8.0 semester hours)

SELECT 8.0 hours from the following:

- EEL 3211 Intro to Electric Machines
- EEL 3216 Intro to Power Systems
- EEL 3472 Electromagnetic Fields
- EEL 4201L Electric Energy Conversion Lab
- EEL 4230 Electronic Drives and Motor Control
- EEL 4242C Power Electronic Circuits
- EEE 4310 Digital Integrated Circuits
- EEE 4314L Advanced Electronics
- EEL 4396 Solid State Electronic Devices
- EEL 4440 Optical Fiber Communications
- EEL 4514 Analog and Digital Communication Systems
- EEL 4514L Analog and Digital Communication Systems Lab
- EEL 4515 Advanced Digital Communication
- EEL 4515L Adv Digital Comm Lab
- EEL 4610 State-Space Control Systems
- EEL 4750 Intro to Digital Signal Processing
- EEL 4750L Digital Signal Processing Lab
- EEL 4905 Individual Study
- EEL 4930/31 Special Topics in EE

- [EEL 4949 Co-op Work Experience](#)
- [EEL 4829 Digital Electronic Imaging](#)

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: Computer & Info Sciences  
Concentration: Computer Science  
Degree: Bachelor of Science

Informational Text

Bachelor of Science in Computer & 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  
MAC 2312 Calculus II

COP 2220 Computer Science I  
'C' is preferred and will be used in subsequent courses. However, introductory programming in C++ or Java may be substituted.

PHYSICS Calc-based Physics I & Lab  
PHY 2048 University Physics I  
PHY 2048L University Physics I Lab

PHYSICS II Calc-based Physics II & Lab  
PHY 2049 University Physics II  
PHY 2049L University Physics II Lab

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 GLY2001C Earth Science.

--The following UNF courses \*cannot\* be used:

PCB2050, BCH3023C, CHM1025C, PHY1020C, and PSC3730.

-Consult with a CIS advisor before taking any other science. \*\*\*

## Core Requirements (27 credits)

Computer Science Foundation and Core: (8 courses - 27.0 semester hours)  
[CIS4253 Ethics is required beginning Fall2006]

COT3100 3 Computational Structures  
COP3503 3 Computer Science II  
COP3530 4 Data Structures  
COP3601 4 Intro to Systems Software  
CDA3101 4 Introduction Computer Hardware  
COT3210 3 Computability And Automata  
CIS4253 3 Legal & Ethical Iss in Comput  
SPEECH Select any public speaking\*SPC

## Major Requirements (16 credits)

Computer Science Major Requirements: (5 courses - 16 semester hours)

COP4710 3 Data Modeling  
COP4610 3 Operating Systems  
COP4620 4 Constr of Language Translators  
CIS4251 3 Software Development

SELECT ONE of the following courses:

- CDA 4503 (CNT4504) Networks/Distributed Processing
- COP 4813 Internet Programming

## Major Electives (9 credits)

Computer Science Major Electives: (3 courses - 9.0 semester hours)

SELECT Three Courses - min 9.0 hours

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
- COP 4300 Discrete Systems Modeling/Simulation
- COP 4813 Internet Programming
- COT 4400 Analysis of Algorithms
- COT 4560 Applied Graph Theory
- CDA 4102 Intro to Computer Architecture
- and 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 4 G(M) Linear Algebra  
STA4321 4 G(M) Probability and Statistics

## Electives

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) \*\*

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Electrical Engineering  
Concentration: Engineering(System Design)  
Degree: BS in Electrical Engineering

Prerequisites

All Engineering Prerequisites must be completed with a "C" or higher. (29.00 credit hours)

MATH Math requirement:

- MAC2311 Calculus I
  - MAC2312 Calculus II
  - MAC2313 Calculus III
  - MAP2302 Ordinary Diff. Equations
- \*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 2213.  
\*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:

- PHY2048+L Calculus Based Physics I \*
- \*Students who did not successfully complete high school physics must complete PHY1020C Intro to Physics 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:

- PHY2049+L Calculus Based Physics II \*
- \*PHY2049C may be substituted for lecture and lab.  
\*PHY2044 may be substituted for the lecture.

## Foundation

Electrical Engineering (System Design or Computer Design) Foundation: (6 courses - 16.0 semester hours)

COP2220 3 Computer Science I  
EGN1001 2 Introduction to Engineering I  
EGN2009 2 Introduction to Engineering II  
EGN3311 3 Statics  
SELECT one of the following:

- EGN3321 Dynamics
- EGN3358 Applied Thermal Sciences

STA3032 3 G(M) Prob/Statistics for Engrs

## Core Requirements

Electrical Engineering (System Design) Core: (13 courses - 39.0 semester hours)

EEL3111 3 Circuit Analysis I  
EEL3112 3 Circuit Analysis II  
EEL3135 3 Signals and Systems  
EEL3303L 1 Electrical Circuits Laboratory  
EEL3304 3 Electronic Circuits I  
EEL3472 3 Electromagnetic Fields Applic  
EEL3701C 4 Introduction Digital Systems  
EEL3889C 3 Intro Embedded System Design  
EEE4309C 4 Electronic Circuits II  
EEL4657C 4 Linear Control Systems  
EEL4744C 4 Microcontroller Applications  
EEL4914 1 Senior Design I  
EEL4915 3 Electrical Engineer Design II

## Major Requirements

Electrical Engineering (System Design) Major Requirements: (3 courses - 8.0-11.0 semester hours)

SELECT: 3 courses from the following -  
System Design Specialty:

- EEL 3211 Intro to Electric Machines
- EEE 4314L Advanced Electronics
- EEL 4514 Analog and Digital Communications Systems
- EEL 4610 State-Space Control Systems
- EEL 4712C Digital Design
- EEL 4750 Intro to Digital Signal Processing

## Technical Electives

Electrical Engineering (System Design) Technical Electives: (4 courses - 9.0 - 12.0 semester hours)

SELECT 9-12 Hrs. from the following:

- EEL 3216 Intro to Power Systems (3)
- EEL 4201L Electric Energy Conversion Lab (1)
- EEL 4230 Electronic Drives and Motor Control (3)
- EEL 4242C Power Electronic Circuits (4)
- EEE 4314L Advanced Electronics (2)
- EEL 4396 Solid State Electronic Devices (3)
- EEL 4440 Optical Fiber Communications (3)
- EEL 4514L Analog and Digital Comm Systems Lab (1)
- EEL 4515 Advanced Digital Communication (3)
- EEL 4515L Adv Digital Comm Lab (1)
- EEL 4712C Digital Design (4)
- EEL 4713 Digital Computer Architecture (3)
- EEL 4713L Digital Computer Architecture Lab (1)

- EEL 4750 Intro to Digital Signal Processing (3)
- EEL 4750L Digital Signal Processing Lab (1)
- EEL 4930 Special Topics in EE (3)
- EEL 4829 Digital Electronic Imaging (3)
- EEL 4949 Co-op Experience (0-1)
- MAS 3105 Linear Algebra (4)

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UNDERGRADUATE CATALOG 2009-2010

Major: Computer & Info Sciences  
Concentration: Information Science  
Degree: Bachelor of Science

Informational Text

Bachelor of Science in Computer & 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 3 G(M)Calculus for Business  
(MAC2311 may be used.)

CGS1570 3 Microcomputer Applica Software  
STA2023 3 G(M) Elem Statistics-Business  
(STA2014 may be used.)

COP2551 3 Introduction to OO Programming  
Java, an object oriented language, is preferred and will be used in subsequent courses.

Foundation

Information Science Foundation: (4 courses - 13.0 semester hours)

SPEECH Select any public speaking\*SPC  
COP2010 3 Intro to Visual Proc Prog  
COP 2010 or a procedural programming language is required. Visual BASIC is preferred and will be used in subsequent courses.  
COT3100 3 Computational Structures  
COP3855 4 Web Access and System Design

## Core Requirements (10 credits)

Information Science Core Requirements: (3 courses - 10.0 semester hours)

COP3540 4 Data Structures Using OOP  
COP4640 3 OS Env Admin  
CIS4253 3 Legal & Ethical Iss in Comput

## Major Requirements (12 credits)

Information Science/Systems Major Requirements: (4 courses - 12.0 semester hours)

COP4720 3 Database Systems  
CIS4327 3 Information Syst Sr Project I  
CIS4328 3 Information Syst Sr Project II  
CDA4503 3 Computer Networks/Dist Process

## Major Electives (12 credits)

Information Science/Systems Major Electives: (4 courses - 12.0 semester hours)

SELECT Four Courses - min 12.0 hours\*

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
- CIS 4100 System Performance/Evaluation
- 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 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

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.\*

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 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)

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Mechanical Engineering

### Degree: Bachelor of Science

#### Prerequisites

All Engineering Prerequisites must be completed with a "C" or higher. (29.00 credit hours)

##### MATH Math requirement:

- MAC2311 Calculus I
- MAC2312 Calculus II
- MAC2313 Calculus III
- MAP2302 Ordinary Diff. Equations

\*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 2213.

\*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:

- PHY2048+L Calculus Based Physics I \*

\*Students who did not successfully complete high school physics must complete PHY1020C Intro to Physics 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:

- PHY2049+L Calculus Based Physics II \*

\*PHY2049C may be substituted for lecture and lab.

\*PHY2044 may be substituted for the lecture.

## Foundation

Mechanical Engineering Foundation: (7 courses - 18.0 semester hours)

COP2220 3 Computer Science I  
EEL3111 3 Circuit Analysis I  
EGN1001 2 Introduction to Engineering I  
EGN2009 2 Introduction to Engineering II  
EGN3311 3 Statics  
EGN3613 2 Economics for Engineers  
STA3032 3 G(M) Prob/Statistics for Engrs

## Core Requirements

Mechanical Engineering Core: (6 courses - 16.0 semester hours)

EGN3203 3 Modern Computational Methods  
EGN3321 3 Dynamics  
EGN3331 3 Strength of Materials  
EML3100 3 Thermodynamics I  
EML4551 1 Senior Capstone Design I  
EML4552 3 Senior Capstone Design II

## Major Requirements

Mechanical Engineering Major Requirements: (13 courses - 32.0 semester hours)

EML3015 3 Fluids I  
EML3101 3 Thermodynamics II  
EML3520C 4 Material Science I  
EML3535C 3 Modern Engineering CAD  
EML4004L 1 Energy Systems Lab  
EML4126 3 Transport Phenomena  
EML4140 3 Heat Transfer  
EML4301L 1 Mechanical Systems Laboratory  
EML4304L 1 Fluid Mechanics Lab  
EML4312 3 Model/Analysis Dynamic Systems  
EML4313 3 Control of Machinery  
EML4320C 4 Integrated Design/Manufacture  
EML4501 3 Machine Design

## Technical Electives (9 credits)

Mechanical Engineering Technical Electives: (3 courses - 9.0 semester hours)

Select Nine hours from the Courses listed below.

SELECT 9 Hrs. from the following:

- EML 3553 Project Engineering I
- EML 4016 Fluids II
- EML 4414 Heat Power Engineering
- EML 4048 Simulation of Production Systems
- EML 4304 Advanced Solid Modeling
- EML 4320 Integrated Design & Manufacturing
- EML 4500 Finite Element Modeling & Analysis
- EML 4544 Materials & Handling I
- EML 4554 Project Engineering II
- EML 4601 HVAC Systems
- EML 4622 Clean & Renewable Energy Technology
- EML 4804 Mechatronics
- EML 4806 Robotics Engineering
- 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)

## Electives

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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UNDERGRADUATE CATALOG 2009-2010

Major: Computer & Info Sciences  
 Concentration: Information Sys/Business Minor  
 Degree: Bachelor of Science

Informational Text

Bachelor of Science in Computer & 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 3 Prin of Financial Accounting  
 ACG2071 3 Prin Managerial Accounting  
 ECO2013 3 Principles of Macroeconomics  
 ECO2023 3 Principles of Microeconomics  
 STA2023 3 G(M) Elem Statistics-Business  
 STA2023 is preferred. STA2122 may be used.

MAC2233 3 G(M)Calculus for Business  
 CGS1570 3 Microcomputer Applica Software  
 CGS1570 is preferred. CGS1100 or CGS1060 may be used.

COP2551 3 Introduction to OO Programming  
Java, an object oriented language, is preferred and will be used in subsequent courses.

## Foundation

Information Systems Foundation: (4 courses - 13.0 semester hours)

SPEECH Select any public speaking\*SPC  
COP2010 3 Intro to Visual Proc Prog  
Visual BASIC is preferred and will be used in subsequent courses.  
COT3100 3 Computational Structures  
COP3855 4 Web Access and System Design

## Core Requirements

Information Systems Core Requirements: (6 courses - 19.0 semester hours)

COP3540 4 Data Structures Using OOP  
COP4640 3 OS Env Admin  
CIS4253 3 Legal & Ethical Iss in Comput  
ISM4011 3 Intro Management Info Systems  
MAN3025 3 Administrative Management  
FIN3403 3 Financial Management

## Major Requirements (12 credits)

Information Science/Systems Major Requirements: (4 courses - 12.0 semester hours)

COP4720 3 Database Systems  
CIS4327 3 Information Syst Sr Project I  
CIS4328 3 Information Syst Sr Project II  
CDA4503 3 Computer Networks/Dist Process

## Major Electives (12 credits)

Information Systems Major Electives: (4 courses - 12.0 semester hours)

SELECT Four Courses - min 12.0 hours\*

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
- CIS 4100 System Performance/Evaluation
- 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 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

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)

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UNDERGRADUATE CATALOG 2009-2010

## Minor: Computer Science

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. At least 14 hours of upper-level coursework in the minor must be taken at UNF.
2. 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 4 G(M) Calculus I

COP2220 3 Computer Science I

### CompSci Minor Req'ments

Computer Science Minor (University-wide) Requirements -- (22.0 credits)

COT3100 3 Computational Structures

COP3503 3 Computer Science II

COP3530 4 Data Structures

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
- CEN 4516 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.

## Minor: Computer Science

Minor: Computer Science for Information Science majors -- (20.0 semester hours)

All coursework in the minor must be completed with a grade of 'C' or better.

Conditions for the minor:

1. \*\* Students must be pursuing a BS in CIS in the Information Science track (concentration) to qualify for this minor.
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.

### CS for IS Prerequisites

Computer Science (for InfoSci Majors) Prerequisites:

MAC2311 4 G(M) Calculus I

COP2220 3 Computer Science I

COP3540 4 Data Structures Using OOP

### CS for IS Minor Requirements

Computer Science Minor Requirements (for InfoSci Majors) -- (5 courses - 16.0 credit hours)

COP3601 4 Intro to Systems Software

SELECT a minimum of 12.0 hrs from:

- CAP 4630 Intro to Artificial Intelligence
- CAP 4770 Data Mining
- CDA 3101 Intro to Computer Hardware
- CDA 4102/4102L Intro to Computer Architecture & Lab
- CDA 4312/4312L Microprocessor Interfacing & Lab
- CEN 4516 or CDA 4503 Networks & Distributed Processing
- COP 4610 Operating Systems
- COP 4813 Internet Programming
- COP 4620 Construction of Language Translators
- COT 3210 Computability & Automata
- COT 4400 Analysis of Algorithms
- COT 4560 Applied Graph Theory
- - Other qualifying elective courses may be offered as - Special Topics. See Computing for approved list.

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UNDERGRADUATE CATALOG 2009-2010

## Minor: Information Science (26 credits)

Minor: Information Science

All coursework in the minor must be completed with a grade of 'C' or better.

Conditions for the minor:

1. At least 14 hours of upper-level coursework in the minor must be taken at UNF.
2. 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 3 Microcomputer Applica Software

COP2551 3 Introduction to OO Programming

COP2010 3 Intro to Visual Proc Prog

### InfoSci Minor Requirements

InfoSci Minor Requirements: (17.0 hours)

(Note: COT3100 has a pre-req of MAC2311 or MAC2233.)

COT3100 3 Computational Structures

COP3540 4 Data Structures Using OOP

COP3855 4 Web Access and System Design

COP4720 3 Database Systems

SELECT one of the following:

- CDA 4503 Comp Networks & Distributed Processing
- COP 4813 Internet Programming

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UNDERGRADUATE CATALOG 2009-2010

## Minor: Electrical Engineering (49 credits)

Minor: Electrical Engineering

All coursework in the minor must be completed with a grade of 'C' or better.

Students are responsible for any prerequisites for listed courses.

### Electrical Engineering Prereqs

Electrical Engineering Prerequisites: (10 courses - 32.0 hrs)

MAC2311 4 G(M) Calculus I

MAC2312 4 G(M) Calculus II

MAC2313 4 G(M) Calculus III

MAP2302 3 G(M) Ordinary Differ Equations

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 3 Circuit Analysis I

EEL3112 3 Circuit Analysis II

EEL3303L 1 Electrical Circuits Laboratory

EEL3304 3 Electronic Circuits I

EEL4744C 4 Microcontroller Applications

SELECT 1 of the following:

- EEL3135 Signals and Systems

- [EEE4309C Electronic Circuits II](#)

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UNDERGRADUATE CATALOG 2009-2010

## Major: Leadership Development Cert Degree: Post-Baccalaureate Certificate

(5 courses - 13.0 credit hours)

Leadership Development: 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.

### LDV: Leadership Foundation

Leadership Foundation: (1 course; 1.0 credit hr) Select one seminar from the following courses:

BCN4931 1 -3 Seminar:Construction Mgt  
CIS3255 1 Fnd Technology Ldrshp  
EGN3038 1 Leadership for Engineers

### LDV: Comm/Interpersonal Skills

Communications and Interpersonal Skills: (1 course; 3.0 credit hours)

Select one from the following:

MMC2701 3 CD-Communica Across Cultures  
SPC4064 3 Public Speaking Professionals  
SYP4050 3 Sociology of Human Interaction  
INP4004 3 Indust Org Psychology

### LDV: Hist & Political Perspect

Historical and Political Perspectives: (1 course; 3.0 credit hours)

Select one course from the following:

AMH3590 3 American Biography  
POS3413 3 The American Presidency  
ANT4274 3 Political Anthropology

### LDV: Ethical & Legal Consider.

Ethical and Legal Considerations: (1 course; 3.0 credit hours)

Select one course from the following:

BUL3130 3 Legal Environment of Business  
CIS4253 3 Legal & Ethical Iss in Comput  
PHI3601 3 Ethics  
PHI3641 3 Business Ethics

### LDV: Business Skills

Business Skills: (1 course; 3.0 credit hours)

Select one course from the following:

(Note: The experimental management course is "Exploring Effective Leadership")

GEB1011 3 Foundations of Business

MAN3025 3 Administrative Management

MAN4991 0 -12 Exp: Management

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UNDERGRADUATE CATALOG 2009-2010

Major: Art Education  
Concentration: Art Education (K-12)  
Degree: Bachelor of Arts in Education

Prerequisites (27 credits)

A minimum "C" grade is required.

EDF1005 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitutes: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

ARH2050 3 Art History Survey I

- Acceptable substitute: ARHX050

ARH2051 3 Art History Survey II

- Acceptable substitute: ARHX051

ART1201C 3 Two-Dimensional Design

- Acceptable substitute: ARTX201

ART2203C 3 Three-Dimensional Design

- Acceptable substitutes: ARTX203, ARTX202

ART1300C 3 Drawing I

- Acceptable substitute: ARTX300

ART2301C 3 Drawing II

- Acceptable substitutes: ARTX301, ARTX330, ARTX205, ARTX310, ARTX305

Additional Diversity (6 credits)

Select six semesters 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.

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)

ART2500C 3 Painting Fundamentals

### Core Requirements (28 credits)

EDF3151 3 Nature Of The Learner

EDF3945 2 -4 Field Laboratory I

EDF3946 2 -4 Field Laboratory II

EDG3323 3 The Learning Process

EDF4327 3 Assessment of Learn/Behavior

EDG4410 3 Classroom Managment Commun

SELECT 1 FROM THE FOLLOWING LIST:

- ESE 4943 Student Internship
- EDE 4943 Practicum II: Student Internship

### Major Requirements (33 credits)

ARE4316 3 Art Education Elem Sch:Inquiry

ARE4341 3 Art Education Sec Sch: Inquiry

ARH4800 3 Aesthetics of Art

ART2400C 3 Introduction to Printmaking

ART3504C 3 Painting Studio

ART3707C 3 Sculpture I

ART3786C 3 Ceramics

ART4965C 3 Fine Arts Portfolio  
PGY2401C 3 Black and White Photography  
RED3333 3 Reading Method Second Teachers  
TSL4324 3 TESOL for Content Area Teacher

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UNDERGRADUATE CATALOG 2009-2010

Major: Science Education  
Concentration: Chemistry (6-12)  
Degree: Bachelor of Arts in Education

#### Prerequisites (29 credits)

Minimum "C" grade required.

EDF1005 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitute: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

MAC2311 4 G(M) Calculus I

- Acceptable substitute: MACX311

CHM2045C 4 General Chemistry I

- Acceptable substitute: CHMX045/X045L

CHM2046C 4 General Chemistry II

- Acceptable substitute: CHMX046/X046L

BSC1010C 4 General Biology I

- Acceptable substitute: BSCX010/X010L

PHY2048C 4 Fund Physics I

- Acceptable substitutes: PHYX048/PHYX048L, PHYX053/X053L  
PHYX053C, PHYX054C

#### Additional Diversity (6 credits)

Select six semesters 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.

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)

Minimum "C" grade required

- CHM2210 3 Organic Chemistry I
- CHM2210L 1 Organic Chemistry I Laboratory
- CHM2211 3 Organic Chemistry II
- CHM2211L 1 Organic Chemistry II Lab

### Core Requirements (28 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 3 Nature Of The Learner
- EDF3945 2 -4 Field Laboratory I
- EDF3946 2 -4 Field Laboratory II
- EDF4327 3 Assessment of Learn/Behavior
- EDG3323 3 The Learning Process
- EDG4410 3 Classroom Management Commun
- ESE4943 1 -12 Student Internship

### Major Requirements (29 credits)

- CHM3120C 4 Quantitative Analytical Chemis
- CHM3610C 4 Inorganic Chemistry
- CHM4410C 4 Physical Chemistry I
- RED3333 3 Reading Method Second Teachers
- SCE4330 3 Special Meth:Secondary Science
- 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 3 TESOL for Content Area Teacher

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UNDERGRADUATE CATALOG 2009-2010

Major: Elementary Education  
Concentration: Elementary Education (K-6)  
Degree: Bachelor of Arts in Education

Prerequisites (9 credits)

Grade of "C" or higher required

EDF1005 3 Introduction to Education  
EME2040 3 Intro to Ed Technologies  
SELECT Either EDG 2701 or EDF 2085

Additional Diversity (6 credits)

Select six semesters 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.

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-Psych of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEH/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 (25 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.

EDE4943 12 Practicum II: Student Intern  
EDF3151 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDF4327 3 Assessment of Learn/Behavior  
EDG4410 3 Classroom Management Commun

### Major Requirements (41 credits)

EDG3324 3 Methods of Conceptual Teaching  
EDG4373 3 Art and Music Methods  
EEX3202 3 Psych/Soc Exceptional Learners  
HSC3301 3 Health/Movmt Edu in Elem Sch  
LAE3210 3 Foundations of Literacy  
LAE3211 6 Methods/Resources Lit Develop  
LAE4312 3 Meas,Eval and Plan Lit Develop  
MAE3312 4 Math Methods for Elem Teachers  
SCE3310 3 Science Methods: Elem Teachers  
SSE3313 4 Social Study Methods:Elem Tchr  
TSL3080 3 Principles and Issues in TESOL  
TSL4340 3 TESOL Methods and Curriculum

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UNDERGRADUATE CATALOG 2009-2010

Major: Science Education  
Concentration: Physics (6-12)  
Degree: Bachelor of Arts in Education

Prerequisites (29 credits)

EDF1005 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitute: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

MAC2311 4 G(M) Calculus I

- Acceptable substitute: MACX311

BSC1010C 4 General Biology I

- Acceptable substitute: BSCX010/X010L

CHM2045C 4 General Chemistry I

- Acceptable substitute: CHMX045/X045L, CHMX045C

PHY2048C 4 Fund Physics I

- Acceptable substitute: PHYX048/X048L, PHYX053/X053L, PHYX053C,

PHY2049C 4 Fund Physics II

- Acceptable substitute: PHYX049/X049L, PHYX054/X054L, PHYX054C

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.

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 3 Basic Astronomy  
AST2002L 1 Basic Astronomy Lab

### Core Requirements (28 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 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDF4327 3 Assessment of Learn/Behavior  
EDG3323 3 The Learning Process  
EDG4410 3 Classroom Managment Commun  
ESE4943 1 -12 Student Internship

### Major Requirements (31 credits)

PHY3101 3 Modern Physics  
PHY3101L 1 Modern Physics Lab  
PHY3220 4 Classical Mechanics  
PHY3320 4 Electricity and Magnetism  
PHY3424 3 Optics  
PHY3722C 4 Electronics for Scientists  
PHY4523 4 Thermodyn and Statistical Mech  
RED3333 3 Reading Method Second Teachers  
SCE4330 3 Special Meth:Secondary Science  
TSL4324 3 TESOL for Content Area Teacher

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UNDERGRADUATE CATALOG 2009-2010

Major: English Education  
Concentration: English (6-12)  
Degree: Bachelor of Arts in Education

Prerequisites (18 credits)

EDF1005 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitutes: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

SPC2600 3 Public Speaking

- Acceptable substitutes: SPCX017

ENGLISH Select 1 course for 3 credits

- ENL XXX

LITERATURE Select 1 course for 3 credits

- LITXXXX
- AML XXXX

Additional Diversity (6 credits)

Select six semesters 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.

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 (25 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 3 Nature Of The Learner
- EDF3945 2 -4 Field Laboratory I
- EDF3946 2 -4 Field Laboratory II
- EDF4327 3 Assessment of Learn/Behavior
- EDG4410 3 Classroom Management Commun
- ESE4943 1 -12 Student Internship

### Major Requirements (42 credits)

- LAE4335 3 Spec Method:Secondary English
- ENG4013 3 Approach Lit Interpret
- RED3333 3 Reading Method Second Teachers
- AML3621 3 G(W) Black American Literature
- LIT3333 3 G(W) Adolescent Literature
- ENL3333 3 Shakespeare
- ENC3310 3 G(W) Writing Prose
- LIN3010 3 Principles of Linguistics
- RED3310 3 Reading Method Elem Teachers
- EEX3250 3 Read Mthds:Learners Exception
- TSL3080 3 Principles and Issues in TESOL
- TSL4340 3 TESOL Methods and Curriculum
- TSL4360 3 TESOL Meth & Curr for Sec Tchr
- 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 Comtemporary Drama
- LIT 3331 G(W) Children's Literature
- LIT 4041 Study in Drama

- LIT 3045 Periods of Drama Literature  
\*

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UNDERGRADUATE CATALOG 2009-2010

Major: Sign Language Interpreting  
Degree: Bachelor of Science

Major Requirements (48 credits)

ASL3226 3 Advanced ASL Proficiency  
INT3134 3 Ethical Dec Making  
INT3205 3 Interp/Translit Process  
INT3270 3 Interp Proc/Skill I  
INT3271 3 Interp Proc/Skill II  
INT3280 3 Interpreting Skills Lab  
INT3300 3 Assmnt Prep Performance  
INT3950 2 Serv Lrng Deaf Children  
INT3951 2 Serv Lrng Deaf Community  
INT3952 2 Serv Lrng Interpreters  
INT4272 3 Adv Interp Proc/Skill I  
INT4273 3 Adv Interp Proc/Skill II  
INT4455 3 Interpreting Diverse Pop  
INT4910 3 Research in Interpreting  
INT4945 3 Interpreting Practicum I  
INT4947 6 Interpreting Practicum II

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UNDERGRADUATE CATALOG 2009-2010

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 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitutes: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

MAC2311 4 G(M) Calculus I

- Acceptable substitute: MACX311

MAC2312 4 G(M) Calculus II

- Acceptable substitute: MACX312

SELECT One 4HR Math Elective

- MACXXXX/MTGXXXX/MASXXXX

Additional Diversity (6 credits)

Select six semesters 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.

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 (28 credits)

Applications for fall internships are due the 4th Friday of the previous spring term.  
Applications for spring internships are due the 4th Friday of the previous fall term

EDF3151 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDF4327 3 Assessment of Learn/Behavior  
EDG3323 3 The Learning Process  
EDG4410 3 Classroom Managment Commun  
ESE4943 1 -12 Student Internship

### Major Requirements (38 credits)

MAA4200 4 G(M) Mathematical Analysis  
MAC2313 4 G(M) Calculus III  
MAE4330 4 Spec Method: Secondary Math  
MAS3105 4 G(M) Linear Algebra  
MAS3203 3 G(M) Number Theory  
MHF3202 3 G(M)Foundations of Mathematics  
MHF3404 3 G(M) History of Mathematics  
MTG3212 3 G(M) Modern Geometry  
RED3333 3 Reading Method Second Teachers  
STA4321 4 G(M)Probability and Statistics  
TSL4324 3 TESOL for Content Area Teacher

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UNDERGRADUATE CATALOG 2009-2010

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 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitutes: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

POS2041 3 Intro to American Government

- Acceptable substitute: POSX041

AMH2010 3 United States History to 1877

- Acceptable substitute: AMHX010

AMH2020 3 U.S. History Since 1877

- Acceptable substitute: AMHX020

ADDITIONAL Social Studies course

Select 1 course from the following disciplines

- Anthropology (ANT)
- Cultural Geography (GEO)
- ( Acceptable Substitute GEA XXXX )
- Economics (ECO)
- Psychology (PSY)
- Sociology (SOC)

Additional Diversity (6 credits)

Select six semesters 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.

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/EEEX/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 (28 credits)

Applications for fall internships are due the 4th Friday of the previous spring term.

Applications for spring interships are due the 4th Friday of the previous fall term.

EDF3151 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDG3323 3 The Learning Process  
EDF4327 3 Assessment of Learn/Behavior  
EDG4410 3 Classroom Managment Commun  
ESE4943 1 -12 Student Internship

### Major Requirements (34 credits)

AMH3420 3 Florida History  
ECO3622 3 American Economic History  
GEO3370 3 Conservation Of Natural Resour  
HIS3051 3 G(W)Craft Of The Historian  
INR3016 3 Global Issues in Contemp Poli  
RED3333 3 Reading Method Second Teachers  
SSE4384 4 Special Method: Social Studies  
ASH 3000 LEVEL COURSE

\*

HISTORY 3000 LEVEL COURSE

NOTE: if AMH 2000 was not taken to meet prerequisites, this course must be

any AMH 3000-level course other than AMH 3420

Prefixes are:

AFH/AMH/ASH/EUH/HIS/LAH/WOH

\*

LAH\_3300 OR ANY LAH 3000 LEVEL COURSE

\*

TSL4324 3 TESOL for Content Area Teacher

### 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

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UNDERGRADUATE CATALOG 2009-2010

Major: Middle School Education  
Concentration: Math/Science Option  
Degree: Bachelor of Arts in Education

Prerequisites (32 credits)

EDF1005 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitute: EDFX085, EDG 2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

MAC1105 3 G(M) College Algebra

- Acceptable substitutes: MACX105, MACX147, or MACX114 and MAC X140

MAC2311 4 G(M) Calculus I

- Acceptable substitutes: MACX311

STA2014 3 G(M)Elem Statistics-Health/SS

- Acceptable substitutes: STAX023, STAX122, STAX014

ESC2000C 3 Earth Science

- Acceptable substitutes: GLYXXXXC, METXXXXC, OCEXXXXC, ASTXXXXC, EXCXXXXC

BSC1010C 4 General Biology I

- Acceptable substitute: BSC1010/BSC1010L

CHM2045C 4 General Chemistry I

- Acceptable substitutes: PHYX053/X053L, PHYX048/X048L

Additional Diversity (6 credits)

Select six semesters 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.

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 (28 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 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDG3323 3 The Learning Process  
EDF4327 3 Assessment of Learn/Behavior  
EDG4410 3 Classroom Management Commun  
ESE4943 1 -12 Student Internship

### Major Requirements (35 credits)

EDG4205 3 Middle School Phil/Curr  
EEX3251 3 Math Meth for Lmrs with Excpt  
MAE4320 3 Spec Method: Middle Grade Math  
MTG3203 3 G(M)Gtry Middle School Teacher  
RED3333 3 Reading Method Second Teachers  
SCE4320 3 Special Methods: Mid Science  
SELECT 1 CHEMISTRY OR PHYSICS W/LAB  
SELECT\* 1 add'l science course 4 hours

From the following prefixes at the 3000-4000 level:

- BOT/BSC/MCB/OCE/PCB/ZOO/CHM/CHS/AST/GLY/ISC/

- PHY/PHZ

SELECT\_ ADDITIONAL MATH 3 credits

Choose from the following Prefixes at 3000-4000 level:

- MAA/MAC/MAD/MAP/MAS/MAT/MGF/MHF/MTG

TSL4324 3 TESOL for Content Area Teacher

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UNDERGRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Deaf Studies  
Degree: Bachelor of Arts in Education

#### Prerequisites (9 credits)

Grade of "C" or higher required

EDF1005 3 Introduction to Education  
EME2040 3 Intro to Ed Technologies  
SELECT Either EDG 2701 or EDF 2085

#### Additional Diversity (6 credits)

Select six semesters 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.

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-Psych of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEH/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 3 Nature Of The Learner
- EDF3945 2 -4 Field Laboratory I
- EDF4327 3 Assessment of Learn/Behavior
- EEX4616 3 Clsrn Mgmt Exceptional Learner
- EHD4940 2 Deaf Education Field Practicum

### Major Requirements (52 credits)

- EEX3202 3 Psych/Soc Exceptional Learners
- EEX3250 3 Read Mthds:Learners Exception
- EEX3251 3 Math Meth for Lnrs with Excpt
- EEX3252 3 Lang Arts:Exceptional Learners
- EEX4101 2 -3 Language Development/Disorders
- EEX4221 3 Ed Assessment/Learners Except
- EEX4255 3 Curr/Instr: Learners Except
- EEX4281 3 Soc,Pers,Car:Learners Except
- EEX4604 3 Behavior Mang and Rsrch
- EHD4245 3 Lang Develop Deaf/Hard of Hear
- EHD4261 3 Audiology Speech Science
- EHD4311 3 Psychology & Education Deaf
- TSL3080 3 Principles and Issues in TESOL
- SIGN\_I ASL 2140-Sign Language I
- SIGN\_II ASL 2150-Sign Language II
- SIGN\_III ASL 4131-Sign Language III
- SIGN\_IV ASL 4211-Sign Language IV

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UNDERGRADUATE CATALOG 2009-2010

Major: Physical Education  
Concentration: Physical Education (K-12)  
Degree: Bachelor of Arts in Education

Prerequisites (21 credits)

EDF1005 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitutes: EDFX085, EDG 2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

BSC2085C 4 Human Anatomy and Physiology I

- Acceptable substitutes: BSCX085. PETX303C can be taken to substitute for both BSCX085 and BSCX086

BSC2086C 4 Human Anatomy & Physiology II

- Acceptable substitute: BSCX086. PETX303C can be taken to substitute for both BSCX085 and BSCX086

SELECT 4 CREDIT HOURS

of Skill Development Courses in Physical Activities from the following prefixes:  
PEM/PEN/PEL/PEO/PEP/PEQ (Must be in different sports.)

Additional Diversity (6 credits)

Select six semesters 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.

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/EEEX/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)

CHOOSE PET 2351C or PET 3351C

TSL4324 3 TESOL for Content Area Teacher

### Core Requirements (28 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.

EDF3945 2 -4 Field Laboratory I

EDF3946 2 -4 Field Laboratory II

EDG3323 3 The Learning Process

EDF4327 3 Assessment of Learn/Behavior

EDG4410 3 Classroom Managment Commun

PET4945L 12 Student Teaching

SELECT 1 FROM THE FOLLOWING:

- RED 3310 Reading Methods Elementary
- RED 3333 Reading Methods Secondary

### Major Requirements (31 credits)

PEO3106 3 Fitness Education

PEO4004 3 Theory/Practice in Coaching

PET3311 3 Kinesiology and Motor Behavior

PET3434 3 Teaching Movement

PET3641 3 Cur Mth K12 and Adpt PE

PET3820 3 Teaching Sport Skill

PET4401 3 Admin Physical Education/Sport

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)

Permalink:





UNDERGRADUATE CATALOG 2009-2010

Major: Special Education  
Concentration: Exceptional Student Education  
Degree: Bachelor of Arts in Education

#### Prerequisites (9 credits)

Grade of "C" or higher required

EDF1005 3 Introduction to Education  
EME2040 3 Intro to Ed Technologies  
SELECT Either EDG 2701 or EDF 2085

#### Additional Diversity (6 credits)

Select six semesters 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.

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-Psych of Women
- SYD 3700 CD-Race/Cult Minority or  
ANT/ASH/EUH/LAH/CLT/ENL/LIT/INR/CLP/EED/EEH/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 (25 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 3 Nature Of The Learner
- EDF3945 2 -4 Field Laboratory I
- EDF3946 2 -4 Field Laboratory II
- EDF4327 3 Assessment of Learn/Behavior
- EEX4616 3 Clsrm Mgmt Exceptional Learner
- EEX4861 3 -12 Internship

### Major Requirements (41 credits)

- EEX3202 3 Psych/Soc Exceptional Learners
- EEX3250 3 Read Mthds:Learners Exception
- EEX3251 3 Math Meth for Lnrs with Excpt
- EEX3252 3 Lang Arts:Exceptional Learners
- EEX4067 3 Affect/Funct Living Skill: Ex
- EEX4101 2 -3 Language Development/Disorders
- EEX4221 3 Ed Assessment/Learners Except
- EEX4253 3 Literacy/Academic Strategy: Ve
- EEX4255 3 Curr/Instr: Learners Except
- EEX4281 3 Soc,Pers,Car:Learners Except
- EEX4604 3 Behavior Mang and Rsrch
- RED3310 3 Reading Method Elem Teachers
- TSL3080 3 Principles and Issues in TESOL
- TSL4340 3 TESOL Methods and Curriculum

Permalink:



UNDERGRADUATE CATALOG 2009-2010

Major: PreKdg/Primary Education  
Degree: Bachelor of Arts in Education

Prerequisites (9 credits)

Grade of "C" or higher required

EDF1005 3 Introduction to Education  
EME2040 3 Intro to Ed Technologies  
SELECT Either EDG 2701 or EDF 2085

Additional Diversity (6 credits)

Select six semesters 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.

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/EEEX/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 (25 credits)

EDE4943 12 Practicum II: Student Intern  
EDF3151 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDF4327 3 Assessment of Learn/Behavior  
EDG4410 3 Classroom Management Commun

### Major Requirements (41 credits)

EEC3408 3 Family School Partnerships  
EEC3731 2 Hea Nutr/Sfty for the Youg Chd  
EEC4207 3 Meas/Ev/Plan Early Child Lit  
EEC4209 6 Music Art Movement  
EEC4210 6 Math Sci Soc Studies For Prima  
EEC4213 6 Teaching Begin Read and Write  
EEC4260 3 Dev Pre-Kinder Prm Tch  
EEX4200 3 Pre-K/Prim Child Exceptional  
LAE3210 3 Foundations of Literacy  
TSL3080 3 Principles and Issues in TESOL  
TSL4340 3 TESOL Methods and Curriculum

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UNDERGRADUATE CATALOG 2009-2010

Major: Sport Management  
Concentration: Community Sport  
Degree: Bachelor of Science

Prerequisites (6 credits)

BSC2085C 4 Human Anatomy and Physiology I

- Acceptable substitutes: PETX030C

PET2622 3 Care/Prevention Sport Injuries

Major Requirements (60 credits)

EDA4214 3 Rec. Dev. for NP Org.

PET3473 3 Communication in Sport

PET3493 3 Issues in Sport

PET4401 3 Admin Physical Education/Sport

PET4464 3 Sport Finance

PET4476 3 Sport Law

SPM2000 3 Intro to Spt Mgmt

SPM3044 3 Sport Governance

SPM3104 3 Sport Facility Management

SPM3306 3 Sport Marketing

SPM4941 12 Sport Management Internship

\_SELECT 6 courses or 18 hours

FROM THE FOLLOWING LIST:

- PET 3713 Spec Methods K-8/6-12 PE
- PET 3351C Physiology of Exercise
- PET 3311 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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UNDERGRADUATE CATALOG 2009-2010

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 3 Intro to Teaching Profession

- Acceptable substitute: EDFX005

EDF2085 3 Intro to Diversity Educators

- Acceptable substitutes: EDFX085, EDG2701

EME2040 3 Intro to Tech for Educators

- Acceptable substitute: EMEX040

MAC2311 4 G(M) Calculus I

- Acceptable substitute: MACX311, MACX241

BSC1010C 4 General Biology I

- Acceptable substitute: BSC X010/X010L

BSC1011C 4 General Biology II

- Acceptable substitute: BSC X011/X011L

CHM2045C 4 General Chemistry I

- Acceptable substitutes: CHMX045/X045L, PHYX048/X048L, PHYX048C, PHYX053/X053L, PHYX053C

CHM2046C 4 General Chemistry II

- Acceptable substitutes: PHYX048/X048L, PHYX048C, PHYX053/X053L, PHYX053C

Additional Diversity (6 credits)

Select six semesters 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.

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
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- 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/EEEX/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)

BSC2012C 4 General Biology III  
CHM2210 3 Organic Chemistry I  
CHM2210L 1 Organic Chemistry I Laboratory

### Core Requirements (28 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 3 Nature Of The Learner  
EDF3945 2 -4 Field Laboratory I  
EDF3946 2 -4 Field Laboratory II  
EDF4327 3 Assessment of Learn/Behavior  
EDG3323 3 The Learning Process  
EDG4410 3 Classroom Management Commun  
ESE4943 1 -12 Student Internship

### Major Requirements (27 credits)

Minimum grade of "C" or higher is required.

MCB3020C 4 Microbial Biology  
PCB3023C 4 Molecular and Cell Biology  
PCB3043C 4 Principles of Ecology  
PCB3063C 4 Genetics  
RED3333 3 Reading Method Second Teachers



SCE4330 3 Special Meth:Secondary Science  
SELECT 2 courses @ 3000-4000 level

at the 3000-4000 level; prefixes to select from:

- AST/BCH/CHM/CHS/MCB/PCB/PHY/PHZ/PSC/ISC/ZOO

TSL4324 3 TESOL for Content Area Teacher

Permalink:



UNDERGRADUATE CATALOG 2009-2010

## Major: Sport Management

### Degree: Bachelor of Science

#### Prerequisites (6 credits)

ACG2021 3 Prin of Financial Accounting  
ECO2013 3 Principles of Macroeconomics

#### Major Requirements (30 credits)

EDA4214 3 Rec. Dev. for NP Org.  
PET3473 3 Communication in Sport  
PET3493 3 Issues in Sport  
PET4401 3 Admin Physical Education/Sport  
PET4464 3 Sport Finance  
PET4476 3 Sport Law  
SPM2000 3 Intro to Spt Mgmt  
SPM3044 3 Sport Governance  
SPM3104 3 Sport Facility Management  
SPM3306 3 Sport Marketing

#### Required Business (15 credits)

ECO2023 3 Principles of Microeconomics  
MAN3025 3 Administrative Management  
MAN3504 3 Operations Management  
MAR3023 3 Principles of Marketing  
STA2023 3 G(M) Elem Statistics-Business

#### Field Experience (15 credits)

SPM3948C 3 Sport Management Practicum  
SPM4941 12 Sport Management Internship

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UNDERGRADUATE CATALOG 2009-2010

## Minor: Amer Sign Lang/Deaf Studies (23 credits)

PREREQS MUST TAKE THE FOLLOWING:

- ASL 2140 American Sign Language I
- ASL 2150 American Sign Language II

REQUIRED COURSES:

- ASL 3435 Fingerspelling and Numbering in ASL
- ASL 3514 Deaf Culture
- ASL 4131 American Sign Language III
- ASL 4211 American Sign Language IV
- ASL 3301 ASL Structure

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UNDERGRADUATE CATALOG 2009-2010

### Minor: Sport Management (15 credits)

SPM2000 3 Intro to Spt Mgmt

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

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UNDERGRADUATE CATALOG 2009-2010

### Minor: Professional Education (20 credits)

EDF1005 3 Introduction to Education

EDF3151 3 Nature Of The Learner

EDF3945 2 -4 Field Laboratory I

EDG3323 3 The Learning Process

EDF4327 3 Assessment of Learn/Behavior

CHOOSE One of the following:

EDG 4410 Classroom Management Communication

OR

EEX3202 Psy/Soc of Exceptional Learners

\*\*EEX 3202 Is only approved for the minor.

METHODS Select 1 Methods course:

Select a Methods course that pertains to your major:

Select from the following:

- ARE 4353 Teaching Art with Focus
- LAE 4334 Special Methods: Secondary English
- MAE 4330 Special Methods: Secondary Math
- SCE4330 Special Methods: Secondary Science
- SSE 4384 Special Methods: Social Studies
- PET 3713 Special Methods: Cur. K8-K-12
- FLE 4333 Special Methods: Foreign Language
- EEX 4255 CurrInstruction: Learners Exc.
- HSC 3304 Instruct. Methods in Health Ed.
- MUE 4311 Music Education Elementary School
- MUE4330 Mucis Education Secondary School

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### APK4120C: Clinical Exercise Physiology 3

Prerequisites: HSC 4612 Exercise Physiology, HSC 4615L Lab Methods in Ex. Phys., PET 3080 Physical Activity and Health 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.)

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### 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.

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### 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.)

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### 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.

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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.

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PET3080: Physical Activity and Health 3

Prerequisite: HSC 3500 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.

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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.)

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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.)

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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.)

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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.)

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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.)

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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.)

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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.

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PET3670: Athletic Training Clinical Instruction I 3

Prerequisite: Declared major in Athletic Training. Corequisites: PET 3603C, PET 3620, and PET 3621C. 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. (A material fee of \$15 assessed.)

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PET3671: Athletic Training Clinical Instruction II 3

Prerequisites: PET 3670. Corequisites: PET 4632C, PET 3624C, 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.)

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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.)

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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.)

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PET3674: Clinical Experience in Athletic Training 3

PREREQS: PET 3670, PET 3671 and enrolled in the Athletic Training Program. This course is an intermediate clinical experience in an athletic training-sports medicine setting with follow-up seminars. Students will integrate and apply academic work in providing care to physically active individuals under the direct supervision of a NATABOC certified athletic trainer. This class is to be taken in the Summer semester between the first and second year in the Athletic Training Education Program. (A material fee of \$7.50 will be assessed.)

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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)

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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.)

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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.

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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.)

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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.)

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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.)

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PET4634C: Orthopedic and Injury Assessment II 3

Prerequisite: PET 4633C. The study and practice of techniques used when assessing athletic injuries to the lower extremity and spine. (A laboratory fee of \$15 assessed.)

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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.)

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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.)

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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.

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PET4943: Pre Internship in Exercise Science 3

Prerequisite: Completion of all major program requirements except PET 4942 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.

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### 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.)

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### DIE3213: Nutrition Therapy I 3

Prerequisites: HUN 2201, BCH 3023C, BSC 2085C & BSC 2086C, CHM 2045C, FSS 1202, FSS 1202L, HUN 3403. 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.

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### 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.

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### DIE3310: Community Nutrition 3

Prerequisite: HUN 2201. 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.

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### DIE4122: Management of Food and Nutrition Services I 3

Prerequisites: HUN 2201, MCB 2010C, FSS 1202, FSS 1202L, HSA 3111, ACG 2021, MAC 1105. 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.

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DIE4123: Quality Assessment and Control in Foods and Nutrition 1

Prerequisites: HUN 2201 and MAN 3025. Students will be able to develop a comprehensive quality assessment program within the foods and nutrition discipline and will be able to evaluate quality assessment programs for appropriate content and process. May be repeated for credit.

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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.

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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.

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FOS4041L: Food Science and Composition Laboratory 1

Prerequisites: FSS 1202, FSS 1202L, CHM 2045C. Corequisite: FOS 4041. 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. (A laboratory fee of \$20 assessed.)

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FSS1202: Food Production 2

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.

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FSS1202L: Food Production Laboratory 1

Corequisite: FSS 1202. 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. (A laboratory fee of \$20 assessed.)

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FSS4230: Quantity Food Preparation 2

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.

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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.)

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HSC1578: Food, Health, Society 3

This course is an introduction to how social, cultural, historical, political, and ecological factors impact health and food behaviors. Students will identify different US ethnic, racial and religious groups' food habits and discuss the relationship of culture to food persistence, food trends, and changes.

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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.

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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.

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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.

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HUN2201: Basic Principles of Nutrition 3

An introductory course in foods and nutrition relative to the health and well being of the

individual or community. Dietary habits, nutrient requirements, food choices and good eating practices, menu planning, shopping for food and food preparation will be studied. Myths and misinformation in nutrition are identified in relation to facts.

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### HUN3403: Life Span Nutrition 3

Prerequisites: FSS 1202, FSS 1202L, HUN 2201, CHM 2045C, BSC 2085C, BSC 2086C. Students will assess nutrient needs of individuals at different stages of the life cycle and plan menus that meet their nutritional needs.

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### HUN3601: Nutrition Education 3

Prerequisites: HUN 2201 and DIE 3213. An introduction to the nature and methods of nutrition education. Students will apply learning theories and methods commonly used in nutrition education to lesson planning, development of educational materials, interviewing and counseling, and group workshops.

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### HUN4221: Science of Nutrition 3

Prerequisites: HUN 2201, CHM 2045C, BCH 3023C, FSS 1202, FSS 1202L, BSC 2085C, BSC 2086C. This course covers the advanced study of nutrients and their functions in relation to human requirements. Advanced concepts of digestion, absorption, and metabolism of nutrients, food sources of nutrients, regulations governing addition of nutrients, and the processing, modification, and safety of foods will be discussed. Energy balance, overweight, underweight, and the prevention of nutritional problems will be covered.

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### HUN4414: Sports Nutrition 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a 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.

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### 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.

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### 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.

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### 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.

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### 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.)

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### NUR3082C: Transition Concepts and Practice II 4

Prerequisites: NUR 3065L, NUR 3166, NUR 3619 This course includes information on issues and concepts related to professional nursing roles and practice, including concepts for collaborative nursing practice. Emphasis is on factors that affect the optimal health and well being of vulnerable individuals, families, and communities with a special emphasis on information required for assessment and health promotion of those coping with chronic illness or disease. The learner will participate in clinical activities as a provider of culturally competent, evidence-based nursing care. (A laboratory fee of \$15 will be assessed.)

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### NUR3118L: Clinical Nursing Practice 2

Prerequisite: Admission to the Nursing Program Corequisites: NUR 3065L, NUR 3619, NUR 3166, NUR 3026L, NUR 3119 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.

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### 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.

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### 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.

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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.

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NUR3225: Adult Health Nursing 4

Prerequisite: NUR 3128 Co-requisites: NUR 3536 and NUR 3235L This course includes information required for the care of adults with acute and chronic diseases and conditions. The focus is on the use of the nursing process in collaborative partnership with adults who are hospitalized with physical illness or disease. Emphasis is on professional nursing roles and responsibilities in designing, managing, and evaluating culturally sensitive care for adults in order to maintain, restore, and optimize their level of functioning.

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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.)

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NUR3255C: Adult Health Nursing Concepts and Practice 9

Prerequisites: NUR 3027L, NUR 3535C, NUR 3128; Co-requisites: NUR 3167, NUR 4826 This course includes information required for the care of adults with acute and chronic 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.

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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.

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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.

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#### 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.

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#### NUR3619: Community Assessment 4

Prerequisite: Admission to the Nursing Program This course includes information required for the assessment of health indicators in culturally diverse healthy families and communities and the identification of community resources and assets. The focus is on recognition of multiple influences on families and populations as they adapt to everyday life-events. The nursing process is used to examine the relationship between these influences and family and community functioning. The emphasis is on the role of the professional nurse in engaging families and communities in health promotion, risk reduction and disease prevention.

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#### 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.

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#### NUR3694: Parish Nursing 3

Prerequisites: Admission to the Nursing Program and completion of the first semester of course work or current licensure as a Registered Nurse. This course provides a foundation for participation in the role of parish nurse. Content is based on the approved curriculum sponsored by the International Parish Nurse Resource Center.

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#### NUR3816: Professional Nursing Concepts 4

Prerequisites: NUR 3065L, NUR 3619, 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.

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### NUR3825: Socialization to Professional Nursing 2

Prerequisite: Admission to the nursing program. Corequisites: NUR 3065L, NUR 3619, NUR 3166, NUR 3026L, NUR 3118L. 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.

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### NUR3935: 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.

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### NUR3944: 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.

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### NUR3949: Experiential Studies in Nursing 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.

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### 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.

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### NUR4178: Alternative Healing 3

Prerequisite: At least a junior level student and an interest in health care. This course introduces the student to various multi-ethnic alternative medicine theories and interventions. The goal is to provide them with knowledge and experience of mind/body self-healing skills that can be integrated into their healthcare education. The course

examines the philosophies of complementary and alternative medicine through the applications of critical thinking using basic understanding of the functions of the human body. The class is appropriate for all majors.

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### 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.

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### 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.

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### 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.)

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### 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.

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### 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.

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### NUR4660: Culture and Health Care in Ireland v. 1-3

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.

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### 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.

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### NUR4827: Leadership and Management in Nursing 3

Prelicensure 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.

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### NUR4828: Role Transition 2

Prerequisites: NUR 3235, NUR 3536 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 professional leader, communicator and as a citizen. Emphasis is on life-long learning, professional presentation skills and nurse citizenship. (2 credits: 2 theory hours per week.)

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### NUR4905: Senior Problems v. 1-6

Prerequisite: Senior standing and permission of instructor. Independent study on selected clinical problems. May be repeated for 9 credits.

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### NUR4917: Honors Research v. 1-3

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 v. 1-3

Nursing electives on varying topics. May be repeated for a total of 15 credits with a change of course content.

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NUR4945C: Professional Nursing Integration 6

Prerequisite: NUR 4465C or NUR 3082C Prerequisite/Co-requisite: NUR 4168, NUR 4636C Must be taken in the semester is 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 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, and 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.

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NUR4945L: Directed Clinical Study 4

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 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.)

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### DIE4940: Nutrition and Diet Field Experience v. 3-9

This course provides supervised field experience in nutrition and dietetics. Experiences are modeled after the Commission on Accreditation of Dietetic Education foundation skills and knowledge.

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### 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.

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### 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.

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### HSA3154: Aging Policy and Politics 3

This course will introduce students to aging policy at the federal, state and local level. Topics covered will include major landmarks in development of public policy for aging and the influence of seniors and senior organizations on the political process.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### HSA4170: Health Care Finance 3

Focuses on the variety of public and private mechanisms in the financing of health care. Trends and constraints will be reviewed, including developments in private health insurance and national health insurance.

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### 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.

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### HSA4850: Health Administration Internship 6

Prerequisites: Completion of all course requirements and approval of the Program Director. 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.

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### 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.

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### HSA4922: Capstone: Health Administration 3

Prerequisites: HSA 3100, HSA 4111, HSA 4170, HSA 4553 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.

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### HSA4930: Special Topics in Advanced Health Care Administration 3

Administrative and financial issues faced by hospitals, ambulatory care settings, various forms of alternative health delivery systems, and the long-term care industry. Recent federal and state legislation will also be assessed.

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### 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.

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### HSA4941: Long-Term Care Administration Internship 9

Prerequisites: Completion of program requirements, electives HSA 4939 and HSC 4563 and Program Director approval. 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.

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### 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.

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### HSA4970: Senior Project 6

Prerequisites: Completion of all major course requirements, minimum three years work experience in an administrative or management position within the health care field and approval of the Program Director. This capstone course is designed to provide students who already have significant administrative or management experience in the health care field an opportunity to participate in a health related administrative or research project. Completed proposal and project approvals are required the semester prior to enrollment.

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### 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.

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### HSC2100: Personal Health Issues and Problems 3

Examines health concerns of college age students. Raises levels of awareness and provides information needed to make informed health-related choices, encourages attitude change, and develops decision-making skills which facilitate more healthy lifestyle behaviors.

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### 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.

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### HSC2930: Special Topics v. 1-3

Study of a topic(s) in the health field. A topic(s) will vary each time the course is offered and will be based on the need to address a current health issue(s) or subject(s) in detail. May be repeated for a total of 6 credits with a change of course content.

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### HSC3032: Foundations of Community Health 3

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.

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### HSC3120: Consumer Issues in Healthcare 3

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.

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### HSC3212: The City and Health 3

The majority of the world's inhabitants will live in an urban environment by the end of this decade. The urban environment contrasts sharply with the 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.

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### HSC3241: Health Needs Assessment 3

Corequisites: HSC 3500, HSC 4730 and HSC 3032. This course examines methods and instruments used to assess individual and community needs for health education. Emphasis is placed on learning to obtain health related data, distinguishing between behaviors that foster and those that hinder well being, and inferring needs for health education on the basis of obtained data. Content will also include physical, social, and emotional health appraisal techniques. A field experience may be required.

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### 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.

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### HSC3500: Epidemiology 3

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.

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### HSC3523: 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 20th century as well as social, scientific, and historical factors that determine the nature, extent and definition of disease.

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### 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.

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### HSC3555: Diseases: Prevention, Intervention, 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.

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### HSC3564: Aging in America 3

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.

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### HSC3581: Planning Health Programs 3

Corequisites: HSC 3032. This course will use the results of a health needs assessment to set the program planning process in motion. An emphasis will be placed on the development of logical and sequential program plans that are based on measurable and appropriate objectives. A field experience may be required.

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### HSC3661: Health, Human Relations, and 3



## Interpersonal Skills Building

Relationships compose a large part of our existence both personally and professionally. In the health care fields as in any profession, whether relationships begin, continue, or end depends largely on our interpersonal skills. The purpose of this course is to help students develop healthy, effective interpersonal skills in their personal and professional lives. This course provides an overview of the importance and power of interpersonal relationships, the difficulties inherent in cultivating interpersonal relationships, and the skills necessary to effectively develop and maintain professional health and personal relationships. Through didactic instruction and experiential activities student will learn a variety of interpersonal skills and techniques.

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## HSC3713: Planning and Evaluating Health Programs 3

Prerequisites: HSC 3032 and HSC 3500. 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.

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## HSC3949: Experiential Studies in Health Science 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.

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## HSC3990: Exp: Health Sciences v. 0-12

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.

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## 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.

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## 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.

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### 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.

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### HSC4160: Human Development, Health Behavior and Addiction 3

Study of the chronological and psychological developmental effects on behavior. A review of social and cultural backgrounds that influence patterns of mental health, substance use and abuse and how addiction and/or mental health problems create dysfunctional behavior socially, physiologically and sexually.

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### 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.

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### 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.

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### 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.

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### 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.

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HSC4663: Communicating Prevention Concerns and Resources 3

Study of communication theory and practice and health specific prevention information. Emphasis will be placed on strategies for fostering communication between healthcare and prevention providers and consumers. A focus will be placed on the prevention professional as a liaison between consumer groups, individuals and providers.

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HSC4730: Foundations of Health Science Research 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.

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HSC4800: Community Health Pre-Internship 3

Prerequisites: Completion of all program prerequisites PSY 2012, MAC 1105, STA 2014 OR STA 2023, CHEM 2045C, MCB 2010C, BSC 2085C, BSC 2086C 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.

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HSC4814: Community Service Internship v. 1-9

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.

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HSC4900: Readings and Conference v. 1-3

In-depth readings and group discussions and conferences on selected topics of critical issue in the health science field. Student readings will vary each semester and will involve a formal survey of the literature and presentation of a summary analysis of findings.

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HSC4901: Skill Development in Health 3

## Administration

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.

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### HSC4906: Independent Study and Research v. 1-3

Prerequisite: Permission of Department Chairperson. A specific health related research project conducted under the guidance of a faculty advisor. May be repeated up to 12 credits.

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### HSC4910: Honors Research v. 1-3

Prerequisites: HSC 4730 and admission to the Honors in the Major track in the College of Health. 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 three hours total.

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### 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.

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### 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.

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### HSC4934: Seminar v. 1-3

Students will attend and present seminars conducted by faculty and other students. The seminars will focus on faculty and student interests and/or current issues in the health field.

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### 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.

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PET3771C: The Business and Practice of Personal Training 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.

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SLS3316: Introduction to the Health Professions 3

This course will provide the student with an overview of the positions in the health care industry. The course will in addition focus on the development of personal skills required for success in job seeking and retention.

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## UNDERGRADUATE CATALOG 2009-2010

## Select a course:

## ACG2021: Principles of Financial Accounting 3

Prerequisite: Sophomore standing and completion of College Algebra (MAC 1105) or equivalent with "C" or better. 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.

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## ACG2071: Principles of Managerial Accounting 3

Prerequisite: ACG 2021 and MAC 1105 (College Algebra) or equivalents each with a grade of "C" or better. Conceptual introduction to managerial accounting. Accounting for cost reporting and control. Reports, statements, and analytical tools used by management.

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## ACG3103: Intermediate Accounting Problems and Concepts I 3

Prerequisite: ACG 2021 with a "C" or better. Corequisite: CGS 1100. 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.

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## ACG3113: Intermediate Accounting Problems and Concepts II 3

Prerequisite: ACG 3103 with "C" or better. This course is a continuation of ACG 3103.

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ACG3123: Intermediate Accounting Problems and Concepts III 3  
Prerequisite: ACG 3113 with "C" or better. This course is a continuation of ACG 3113 with emphasis on special contemporary problems, FASB pronouncements, and fund accounting.  
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ACG3501: Fund Accounting 3  
Prerequisite: ACG 3103 with "C" or better. This course includes specific accounting methods and techniques applicable to governmental and not-for-profit organizations.  
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ACG4201: Advanced Accounting 3  
Prerequisite: ACG 3123 with "C" or better. In-depth study of consolidated financial statements. Other topics include accounting for foreign operations, and international accounting standards.  
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ACG4251: International Accounting 3  
Prerequisite: ACG 3113 with "C" or better. 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.  
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ACG4361: Cost Accounting 3  
Prerequisite: ACG 2071 and CGS 1100 with "C" or better. This course includes an analysis of cost data for goods and services for planning, controlling and decision-making.  
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ACG4381: Controllership 3  
Prerequisite: ACG 4361 with "C" or better. A study of 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.  
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ACG4401: Accounting Information Systems 3  
Prerequisite: ACG 3103 with "C" or better. This course includes analysis, design and implementation of transaction processing cycles and the roles they play in the internal control of the organization.  
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ACG4621: EDP Auditing and Control 3

Prerequisites: ACG 4401 and ACG 4651 or ACG 4671 with "C" or better. How to design effective and efficient systems of internal control, and how to perform audits in an EDP environment. Special emphasis on software, auditing techniques, advanced techniques and computer security.

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### ACG4651: Auditing

3

Prerequisite: ACG 3113 and ACG 4401 with "C" or better. 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.

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### ACG4671: Fundamentals of Internal Auditing

3

Prerequisite: ACG 3113 and ACG 4401 with "C" or better. 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.

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### ACG4682: Forensic Accounting

3

Prerequisite: ACG 4401 With "C" or better . 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.

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### ACG4863: Accounting and Management Control in the Film Industry

3

Prerequisite: ACG 3103 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.

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### 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. Special studies undertaken independently by students under the supervision of an accounting department faculty member. Student must have the faculty supervisor and Department Chairperson's approval of a special study prior to enrollment. May be repeated with change of content up to a maximum of 6 credits.

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### ACG4931: Special Topics in Accounting

v. 1-3

Prerequisite: ACG 2071 with "C" or better and permission of advisor or department chair. Study of special topics not offered in other departmental courses. May be repeated with change of content up to a maximum of nine credits.



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ACG4941: Accounting Internship v. 1-3

Prerequisite: ACG 3103 with "C" or better and a UNF GPA of 3.00 or above. Significant accounting work experience with a cooperating accounting business, governmental or civic organization. Credit depends upon length of internship. Prior approval of advisor and department chair is required. Grading is on a pass/fail basis.

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ACG4944: Small Business Counseling 3

Prerequisite: ACG 3103 with "C" or better and permission of instructor and department chair. Practicum in providing assistance to small businesses with accounting problems.

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ACG4956: Study Abroad in Accounting v. 1-9

Prerequisite: Permission of the instructor. 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. May be repeated up to 9 credits.

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FIN3140: Personal Finance 3

Survey of the problems and techniques of personal financial planning. 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.

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FIN3303: Financial Markets and Institutions 3

Prerequisite: ECO 2013, FIN 3403 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.

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FIN3403: Financial Management 3

Prerequisites: ACG 2071, STA 2023, ECO 2023 with "C" or better. 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.

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FIN4126: Seminar in Financial Planning 3

Prerequisites: FIN 4504 and REE 4043. This course is designed to study current issues in financial planning in case analysis and discussions. Usually offered in the spring only.

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### FIN4132: Estate Planning 3

Prerequisite: TAX 3721. Fundamentals of estate planning, social and family implications of federal/state taxation of transfers of wealth by gift or at death. Study of trusts, guardianships and post mortem planning. How planning is affected by business assets, employee benefits, and insurance will also be studied. Offered only in spring term.

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### FIN4414: Financial Management II 3

Prerequisite: FIN 3403 with "C" or better. Examination of advanced topics in financial management of the profit-making firm, including determination of funds, cost of capital, and capital-structure planning. Case discussion is used in addition to readings and problems.

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### FIN4461: Financial Statement Analysis 3

Prerequisite: FIN 3403. This course is an in-depth analysis of financial statements, and of the bases 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.

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### FIN4504: Investments 3

Prerequisite: FIN 3403 with "C" or better. Principles and practices of investments; factors influencing security values.

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### FIN4514: Securities Analysis and Portfolio Management 3

Prerequisite: FIN 4504. 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.

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### FIN4533: Derivatives 3

Prerequisites: FIN 4504. This course introduces students to the theoretical and practical aspects of the markets for financial futures, options, and other derivatives. Normally offered in the fall semester only.

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### FIN4556: Behavioral Finance 3

Prerequisite: FIN 4504. 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. Normally offered in the spring semester only.

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### FIN4560: Student Managed Investment Fund I 3

Prerequisite: FIN 4504. This is the first in a sequence of two courses whereby students manage a real portfolio of securities. The students selected 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.

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### FIN4561: Student Managed Investment Fund II 3

Prerequisite: FIN 4560. This is a continuation of Student Managed Investment Fund I. Students continue to evaluate securities; however, more attention is directed at beginning to position the portfolio for the idle summer months by identifying core holding, and the preparation of the Annual Fund Report.

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### FIN4604: International Finance 3

Prerequisite: FIN 3403. A comprehensive survey of international finance. 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.

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### FIN4931: Special Topics in Finance v. 1-3

Prerequisites: FIN 3403 and permission of advisor and department chair. Study of special topics not offered in other departmental courses. May be repeated with change of content up to a maximum of 6 credits.

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### FIN4941: Finance Internship v. 1-3

Prerequisite: FIN 3403. Significant finance work experiences with a cooperating business, governmental or civic organization. Credit depends upon length of internship. Prior approval of advisor and department chair is required. Grading is on a pass/fail basis.

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### FIN4956: Study Abroad in Finance v. 1-9

Prerequisite: Permission of the instructor. 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. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

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### REE4043: Real Estate Analysis 3

Prerequisite to all other courses in real estate and regional development. Decision-making process for development, financing, marketing, and management of real estate within the framework of our government, economic, legal, and social systems. Does meet course content requirements of Florida Real Estate Commission for obtaining a real estate license.

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### REE4103: Real Estate Appraisal 3

Prerequisite: REE 4043. Valuation and appraisal framework applied to residential and income-producing property. Emphasis on valuation theory and process as a tool for business decisions.

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### REE4204: Real Estate Finance 3

Prerequisite: REE 4043. 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.

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### REE4303: Real Estate Finance and Investments 3

Prerequisite: FIN 3403, REE 4043. Advanced concepts, principles and models of real estate finance and investment analysis. Emphasis on case analysis and policy information. Usually offered in the spring only.

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### REE4900: Directed Individual Study v. 1-3

Prerequisite: Permission of instructor. Investigation of selected problems and topics of current and permanent import in real estate and urban land economics. May be repeated with change of content up to a maximum of six credits.

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### RMI3011: Risk Management and Insurance 3

An understanding of the importance of risk in the business firm and the family unit; principles underlying the selection of the means of handling economic risk; analysis of insurance as one of the techniques of risk management. Usually offered in the spring only.

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### RMI4135: Employee Benefit Plans 3

Prerequisite: MAN 3025. Study of the group and social insurance that provide death,

disability, and retirement benefits. Analysis of contractual arrangements, benefit formulas, financing, underwriting.

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TAX3001: Federal Income Tax 3

Prerequisite: ACG 2071 with "C" or better. The federal income tax law as it applies primarily to individuals.

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TAX3011: Income Tax for Corporations, Partnerships, and Estates 3

Prerequisite: TAX 3001 with "C" or better and ACG 3103 with a "C" or better. This course is a survey of federal income taxation of corporations and partnerships.

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TAX3721: Tax Planning in Financial Decisions 3

Prerequisite: ACG 2021 with a "C" or better. A study 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.

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TAX4901: Directed Independent Study in Taxation v. 1-3

Prerequisites: TAX 3001 with a "C" or better and permission of the instructor and department chairperson. The course involves special studies undertaken independently by students under the supervision of an accounting department faculty member. The course may be repeated with change of content up to a maximum of 6 credits.

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## UNDERGRADUATE CATALOG 2009-2010

## Select a course:

**BUL3130: The Legal Environment of Business** 3  
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.

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**BUL3371: Real Estate Law** 3  
Prerequisites: REE 4043, BUL 3130. A survey of legal principles affecting the operation of today's real estate industry. Topics include real estate brokerage, conveyance, mortgages, leases, zoning, building codes, liens, and pollution control.

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**BUL4322: International Business Law** 3  
Prerequisite: BUL 3130 or equivalent. This course examines the legal problems that arise in commercial transactions and relations when business organizations cross national boundaries.

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**BUL4350: Business Law II** 3  
Prerequisite: BUL 3130. Advanced work in business law. Intended primarily for students preparing for professional certification in areas such as accounting and real estate.

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**BUL4905: Directed Individual Studies in Business Law** v. 1-3  
Prerequisites: BUL 3130 or equivalent and approval of department chair. This course allows students to investigate selected topics in business law. May be repeated with a

change in content up to a maximum of six credits.

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**BUL4906: Special Topics in Business Law** v. 1-3

Prerequisite: Permission of instructor. Study of special topics not offered in other courses in the department. May be repeated with change of content up to a maximum of 6 credits.

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**GEB1011: Foundations of Business** 3

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.

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**GEB2112: Planning a New Business** 3

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.

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**GEB3124: Students in Free Enterprise Professional Development Program** 3

Prerequisite: MAN3025 Administrative Management. The purpose of this course is to provide students with the best opportunity to develop leadership, teamwork, and communication skills through learning, practicing, and teaching principles of free enterprise. This is accomplished through outreach projects in the community. Students will have the opportunity to assist young entrepreneurs in their business venture.

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**GEB3132: Family Business Management** 3

Prerequisite: MAN3025 Administrative Management. This course examines the unique challenges and practices of family-owned businesses. Topics include planning for a firm's growth and continuity, dynamics of family interactions, conflict resolution in a family firm, preparing the next generation for entry into and management of family firms, and succession strategies. Since family-owned or controlled business comprise close to 90% of businesses worldwide, students would benefit from understanding the dynamics of family business as they may work for a family-owned business, plan on entering a professional field where their clientele may include family businesses or plan to bring family into their own business.

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**GEB3154: Entrepreneurial Marketing** 3

Prerequisites: MAN3025 Administrative Management, MAR3023 Principles of Marketing. 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.

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### GEB3361: International Business Internship 3

Field practice at designated business or government agencies significantly involved in international business operations, research or marketing. Grading is on a pass/fail basis.

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### GEB3949: Experiential Studies in Business 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.

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### GEB4104: Small Business Consulting 3

PREREQUISITES:MAN 3025 Administrative Management, MAR 3023 Principles of Marketing, FIN 3403 Financial Management 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.

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### GEB4113: Entrepreneurship 3

PREREQUISITES:MAN 3025 Administrative Management, MAR 3023 Principles of Marketing, FIN 3403 Financial Management 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.

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### GEB4910: G(W) Honors Research in Business Administration v. 1-3

Prerequisite: Acceptance to the Honors in the Major track in business administration. Allows students to perform research in an area of interest. Repeatable up to six hours.

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### GEB4941: Foundations of International Business 3

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.

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### GEB4942: Entrepreneurial Internship 3

Prerequisites: GEB 4113, permission of instructor The 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.

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### GEB4956: Study Abroad in Business v. 1-9

Prerequisite: Permission of the instructor. Students will study a country's business practices, with a particular emphasis on business. 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.

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### ISM4011: Introduction to Management Information Systems 3

Prerequisites: MAN 3025 and CGS 1100. Fundamentals of Management Information Systems with emphasis on the relationships of MIS and data processing to decision-making in modern organizations.

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### MAN2652: Introduction to Global Business 3

The course provides an overview of the environment under which global business operates. Emphasis is placed on developing an understanding of the key issues involving, and the key environmental factors impacting, global business management and operations.

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### MAN3025: Administrative Management 3

Recommended prerequisite: SOP 3004. Fundamentals of management which permeate organizations. Includes introductory studies of administrative structure, organizational environment, and managerial functions and processes.

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### MAN3504: Production/Operations and Logistics Management 3

Prerequisite: STA 2023 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 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.

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### MAN4064: Organizational Ethics: A Global Perspective 3

Prerequisite: MAN 3025 or permission of instructor. 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.

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### MAN4082: E-Business Strategy 3

Prerequisites: MAN 3025; ISM 4011. 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.

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### MAN4201: Organization Theory 3

Prerequisite: MAN 3025 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.

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### 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.

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### MAN4301: Human Resource Management 3

Prerequisite: MAN 3025 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.

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### MAN4335: Employee Benefits 3

Prerequisite: MAN 3025. 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.

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### MAN4401: Labor Relations 3

Prerequisite: MAN 3025 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.

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### MAN4441: Negotiations 3

Prerequisite: MAN 3025. Broad based examination of negotiation 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.

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### MAN4550: Introduction to Management Science 3

Prerequisites: Introductory Statistics and MAC 2233. A study of selected mathematical and statistical models used to aid managerial decision making. Includes sections on decision theory, integer and linear programming, simple and multiple regression and correlation, analysis of variance, simulation and network models. Software package used for problem solution.

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### MAN4583: Project Management 3

Prerequisite: ISM 4011; MAN 3504. 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.

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### MAN4600: Management of International Business 3

Prerequisite: MAN 3025 or permission of instructor. 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.

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### MAN4701: Business and Society 3

Prerequisite: MAN 3025. Examines the relationship between business firms and other elements of society such as the individual in the organization, the community, ecology, the consumer, and government.

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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. 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.

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MAN4905: Directed Individual Study in Management v. 1-3

Prerequisite: Permission of instructor. Allows students to investigate special topics in management. Particularly topics of local or regional interest. May be repeated with change of content up to a maximum of six credits.

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MAN4930: Special Topics in Management v. 1-3

Prerequisite: Permission of instructor. Study of special topics not offered in other courses in the department. May be repeated with change of content up to a maximum of nine credits.

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MAN4940: Human Resource Management Internship v. 1-3

Prerequisites: MAN 3025, MAN 4301 and prior approval of department chair, associate dean and internship coordinator. The 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.

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MAN4942: Management Internship 3

Prerequisite: MAN 3025 and MAN 3504. 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.

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MAN4956: Study Abroad in Management v. 1-9

Prerequisite: Permission of the instructor. Students will study a country's business practices, with a particular emphasis on management. 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### 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.

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### ECO3101: Intermediate Microeconomics 3

Prerequisite: ECO 2023. Analysis of consumer and business activity in the marketplace. Price and output determination, allocation of income and product, problems of market organization. Normally offered each fall term.

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ECO3203: Intermediate Macroeconomics 3

Prerequisite: ECO 2013. Corequisite: ECO 3411 or ECO 3421 or MAN 4550. This course analyzes aggregate economic activity and growth, focusing on national economic goals and policies for their attainment. It is normally offered each term.

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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.

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ECO3421: Econometrics 3

Prerequisites: STA 2023, 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.

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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.

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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.

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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.

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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.

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### 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.

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### ECO4401: Mathematical Economics 3

Prerequisites: ECO 2013, ECO 2023, ECO 3411 or ECO 3421 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.

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### 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.

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### 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.

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### ECO4905: Directed Independent Study v. 1-3

Prerequisite: Permission of department chair. Study of special topics under the guidance of faculty members. May be repeated with change of content up to a total of 6 credits.

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### ECO4933: Special Topics in Economics v. 1-3

Prerequisite: Permission of instructor. Study of special topics not offered in other departmental courses. May be repeated with change in content up to a maximum of 9 credits.

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### ECO4956: Study Abroad in Economics

v. 1-9

Prerequisite: Permission of the instructor. Students will study a country's business practices, with a particular emphasis on economics. During this course, the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the US and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### ECP3703: Managerial Economics 3

Prerequisite: ECO 2023. Corequisite: ECO 3411 or ECO 3421 or MAN 4550. This course analyzes aggregate economic activity and growth, focusing on national economic goals and policies for their attainment. It is normally offered each term.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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. 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.

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### 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.

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### 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.

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### GEO2420: CD - Cultural Geography 3

The analysis as they occur throughout the world. The major focus is on how diverse cultures organize themselves spatially to form diverse geographic areas. This course is designated a Cultural Diversity course. Normally offered each term.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### MAR2905: Special Topics in Marketing v. 1-3

Prerequisite: Permission of instructor. Special topics not offered in other courses in the department. May be repeated up to 3 credits.

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### MAR3023: Principles of Marketing 3

Prerequisites: ECO 2013 and ECO 2023; recommended prerequisite: SOP 3004. 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.

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### MAR4156: International Marketing 3

Prerequisite: MAR 3023. 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.

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### MAR4206: Marketing Channels: Strategy, Structure, and Management 3

Prerequisite: MAR 3023. This course investigates 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.

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### MAR4231: Retail Management 3

Prerequisite: MAR 3023. Marketing and management concepts which relate directly to the retail organization. Includes an analysis of pricing, buying, credit promotion, personnel and control.

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### MAR4323: Advertising Management 3

Prerequisite: MAR 3023. Concerned with planning and managing programs for advertising products and services. Involves preparatory research; setting of objectives; planning of budget, media, and creative programs and evaluation of advertising effectiveness.

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### MAR4400: Professional Selling 3

Prerequisite: MAR 3023. Focuses on the importance of communication, including nonverbal expression, as a means to successful negotiations. Course is skills oriented and emphasizes interactive, non-manipulative techniques. In addition to providing in-depth exposure to professional selling, the course assists students in making a professional career choice.

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### MAR4403: Sales Management 3

Prerequisite: MAR 3023. The analysis and decisions involved in developing a business firm sales plan, providing organizational and leadership support for it, and evaluating performance to increase sales force productivity.

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### MAR4461: Purchasing Management 3

Prerequisite: MAR 3023. Policies and procedures pertinent to the acquisition of goods and services by public and private organizations are covered in depth. The course includes coverage of the purchasing, administrative, organizational, and continuing education functions of the NAPM's certified purchasing manager examination.

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### MAR4503: Consumer Behavior 3

Prerequisite: MAR 3023. Recommended prerequisite: SOP 3004. An analysis of the behavioral factors affecting demand. Consideration is given to the purchasing behavior of the industrial buyer and the ultimate consumer.

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### MAR4613: Marketing Research and Information 3

Prerequisites: MAR 3023 and elementary statistics. 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.

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### MAR4663: Marketing Models 3

Prerequisite: MAR 3023. 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.

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### MAR4721: E-Marketing 3

Prerequisite: MAR 3023. 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.

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### MAR4803: Strategic Marketing 3

Prerequisites: MAR 3023, MAR 4503, MAR 4613, MAR 4156 and senior standing. 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. Course pedagogy includes case study and simulation gaming.

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### MAR4841: Services Marketing 3

Prerequisite: MAR 3023. 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.

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### MAR4906: Special Topics in Marketing v. 1-3

Prerequisite: Permission of instructor. Special topics not offered in other courses in the department. May be repeated with change of content up to a maximum of nine credits.

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### MAR4913: Directed Individual Study v. 1-3

Prerequisite: Permission of instructor. Allows students to investigate special topics in marketing, particularly topics of local or regional interest. May be repeated with change of content up to a maximum of six credits.

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### MAR4939: Executive Seminar in Marketing and Supply Chain Management 1

Prerequisites: MAR 3023. This seminar consist 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.

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MAR4941: Internship in Marketing and Supply Chain Management v. 1-3

Prerequisites: MAR 3023. This internship 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.

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MAR4943: International Marketing Internship v. 1-3

Prerequisite: MAR 4156. Significant international business work experience with a cooperating business organization, government, or multinational enterprise. Credit depends on topics and length of internship. Prior approval of coordinator of international business program, and advisor required. Grading is on a pass/fail basis.

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MAR4956: Study Abroad in Marketing v. 1-9

Prerequisite: Permission of the instructor. Students will study a country's business practices, with a particular emphasis on marketing. During this course, the student will: understand the culture, geography, history, and politics of the country; travel to the country; study the differences between business in the U.S. and business in that country; and learn about the current issues facing that nation. The course will have three phases: pre-trip preparation and orientation, foreign travel, and post-trip work.

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TRA3035: Foundations of Transportation 3

Prerequisite: ECO 2023, ACG 2071, and MAN 3025. This course examines the development and the significance of transportation, economic characteristics of transportation modes, and the impact of regulation and deregulation. Includes case analysis and current transportation management theory and practice.

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TRA4139: Seminar in Purchasing and Materials Management 3

Prerequisite: MAR 4461. Advanced concepts in purchasing and materials management with emphasis on recent research and current practices. This course is cross listed as MAN 4579.

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TRA4155: Supply Chain Management 3

Prerequisites: MAN 3025, MAR 3023, MAN 3504, TRA 3035. 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.

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TRA4202: Logistics Systems Management 3

Prerequisites: MAR 3023, MAN 3504, TRA 3035. Design, operations and control of logistics systems for producing and servicing firms. Emphasis 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.

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TRA4210: Logistics Subsystems Analysis 3

Prerequisite: MAN 3504. Components, functions and analysis of logistics subsystem.

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TRA4400: Applied Carrier Management 3

Prerequisite: TRA 3035. Case studies and problems in carrier management and operations of local firms.

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TRA4721: International Logistics 3

Prerequisites: MAN 3025, MAR 3023. 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.

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TRA4910: Directed Individual Study v. 1-3

Prerequisite: Permission of department chair. Study of special topics under faculty guidance. May be repeated with a change in content up to a maximum of six credits.

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TRA4935: Special Topics in Logistics v. 1-3

Study of special topics not offered in other transportation courses. May be repeated with a change in content up to a maximum of 6 credits.

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TRA4945: Logistics Internship 3

Prerequisites: MAR 3023 (C or better), TRA 3222 (C or better), 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. 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 confronted by cooperating firms.

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### TRA4956: Study Abroad in Transportation and Logistics v. 1-9

**Prerequisite:** Permission of the instructor. Students will 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

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.

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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.

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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.

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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.

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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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.

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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.

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ARH3410: Modern European Art I 3

This course will study European art and architecture between 1780-1870, from Neo-Classicism through Impressionism.

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ARH3434: Modern European Art II 3

This course will study European Art and Architecture between 1880 and 1940, from post impressionism through surrealism.

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ARH3470: Art after 1940 3

This course will study European and American art from Abstract Expressionism to the present.

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ARH3620: American Art Before 1940 3

Tracing the development of American painting from revolutionary to modern times, this class will study American artists' dependence on European tradition and their determination to forge an American style.

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ARH3811: Art History Methods 3

Prerequisites: ARH 2050 Art History Survey I, ARH 2051 Art History Survey II, Two ARH 3000-4000 courses, Junior status Students will read and discuss key texts that formulate the intellectual foundation of the discipline of art history. Students will begin

the semester by examining art historical texts based in connoisseurship and aesthetics and will then explore methodologies used by art historians, in particular, formalism, iconographical studies, Marxism, feminism, and post-structuralism. The writers examined include JoAnn Joachim Winckelmann, Immanuel Kant, Heinrich Wölfflin, Erwin Panofsky, Meyer Schapiro, Norman Bryson, Rosalind Krauss and others.

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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.

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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.

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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.

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ARH3940: Art History Practicum 1

Prerequisites: ARH 2050 Art History Survey I, ARH 2051 Art History Survey II, One Upper Level ARH course In consultation with faculty, students enrolled in the Art History Practicum will develop and research a topic linked thematically to current coursework in their degree program, producing a research paper of substantial length. The Practicum must be taken in conjunction with another regular 3-credit hour course in Art History. Successful completion of the Practicum is prerequisite for admission to required upper level courses in the ARH major.

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ARH3955: Art History on Site v. 1-3

Students in this course will experience the history of art in situ. The course is designed to accommodate study abroad experiences and intensive explorations of domestic sites such as New York and Washington D.C, Major monuments, archeological sites, museums and works of art will be considered and analyzed in the context in which they were created or are currently housed. Cultural contexts of works of art will be explored;

students will consider the myriad influences that are reflected in works of art including patronage, history, economics, religion, geography and techniques in painting, sculpture and architecture. May be repeated once.

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### ARH4712: Photohistory 1839-1916 3

This course will examine the nature of photography from its invention in 1839 to World War One. Through the reading and discussion of primary writings and critical texts, students will discuss and write about 19th century photographs. Methods for critical analysis of photographs will also be introduced and woven into class lectures and readings.

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### ARH4713: Photohistory 1916 to Present 3

Photohistory is a selected survey of the history of photography in the 20th century. Emphasis is placed upon photographic expression in the last half of the century focusing upon areas such as photographic art; advertising; political; social documentary; photography and the digital revolution.

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### ARH4724: Graphic Design History 3

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.

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### ARH4800: Aesthetics of Art 3

A search for beauty and expression in the arts. Through lectures, discussions, movies, and slides, this search will take into account the thoughts of Santayana, Dewey, Langer, Tolstoy and well-known contemporary philosophers, artists, writers, architects and film makers.

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### ARH4801: Art Criticism 3

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.

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### ARH4905: Directed Individual Study v. 1-6

Prerequisites: ARH 2050 Art History Survey I, ARH 2051 Art History Survey II, 3 upper level ARH courses This course provides context for intensive, direct collaboration between instructor and the enrolled student(s) on original research topics. The topics addressed and the scope of the collaboration is determined by the instructor in consultation with the enrolled student(s). The course is an opportunity for advanced study in Art History through one-on-one student/faculty contact designed to develop



high-level critical, analytical, and research and writing skills. May be repeated up to 6 credit hours.

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### ARH4910: Art History Research 3

Prerequisites: ARH 2050 Art History Survey I, ARH 2051 Art History Survey II, ARH 3811 Art History Methods and at least two 3000-4000 level ARH courses. As a capstone art history course, Art History Research is designed to build upon students' art historical knowledge gained in other courses (see prerequisites) and its major goal is to provide an opportunity for extensive student research in the field of Art History.

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### 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.

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### ART1201C: Two-Dimensional Design 3

This course is an introduction to the utilization of the elements and principles of design, through 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. (A material fee of \$15 will be assessed.)

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### ART1205C: Color Theory 3

The focus of this class is on the physical properties and relationships of color mode systems. Students will expand their color sensibilities and develop a working understanding of color psychology, symbolism and expressive color. Research, critique of work and class discussions will expand the use of color-appropriate vocabulary and aid in the student's development of critical thinking skills. Studying the work, classic and contemporary, of important theorists, artists and designers will broaden their understanding of color as a visual language. (A material fee of \$30 will be assessed.)

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### 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.

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### 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 \$40 will be assessed.)

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### 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.

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### 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.

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### ART2400C: 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 \$50 will be assessed.)

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### ART2500C: Painting Fundamentals 3

Prerequisite: ART 1300C, ART 2301C 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 of 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 students understanding of painting as a visual language. Through regular critiques, students will begin to make critical decisions about their work. (A material fee of \$15 will be assessed)

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### 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 \$30 will

be assessed.)

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### 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.

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### 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 materials fee of \$50 will be assessed)

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### 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 \$50 will be assessed.)

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### 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 \$50 will be assessed.)

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### 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 \$50 will be assessed.)

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### ART3504C: Painting Studio

3

Prerequisite: ART 2500C The purpose of this class is to allow the student to 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 media. Regular group and individual critiques will be held to mark the progress of the students' work. There will be several directed projects, discussions and demonstrations intended to expand knowledge of artistic processes. (A material fee of \$15 will be assessed)

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### 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.

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### 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.)

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### ART3707C: Sculpture Process

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 \$90 will be assessed.)

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### ART3709C: Sculpture: Intermediate

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 \$90 will be assessed.)

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### 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 \$90 will be assessed.)

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### 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 is course may be repeated for a maximum of 9 hours. (A material fee of \$40 will be assessed.)

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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 \$40 will be assessed).

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ART3930: Special Topics in Art v. 1-3

May be repeated for a total of 24 credits under different topics. (A material fee of \$20 will be assessed.)

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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 materials fee of \$50 will be assessed)

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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 materials fee of \$50 will be assessed)

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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 materials fee of \$50 will be assessed)

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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 materials fee of \$50 will be assessed)

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ART4710C: Advanced Sculpture 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 \$90 will be assessed).

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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 \$90 will be assessed).

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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 \$40 will be assessed.)

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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.

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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 \$15 will be assessed)

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ART4905: Directed Individual Studies v. 1-3

A maximum of 15 credits may be accumulated in directed individual studies.

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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.

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### ART4935: Seminar

v. 1-3

A maximum of 15 credits may be accumulated in seminars.

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### ART4965C: Fine Arts Portfolio

3

An outgoing portfolio, representative of the student's work, will be assembled by the student with the guidance and approval of the art faculty.

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### GRA2190C: 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 \$30 will be assessed.)

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### GRA3118C: Publication Design

3

Prerequisites: GRA 3183C, GRA 3203C 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 \$30 will be assessed.)

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### GRA3183C: Graphic Design II

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 \$30 will be assessed.)

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### GRA3203C: 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 \$30 will be assessed.)

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### GRA3512C: Corporate Identity 3

Prerequisites: GRA 3183C, GRA 3203C 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 lab fee of \$30 will be assessed)

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### 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 \$30 will be assessed.)



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### GRA4137C: Advanced Web Design 3

Prerequisite: GRA 3523C This studio course builds on the principles taught in introduction to web design. Students are challenged to solve advanced communication problems while addressing technical issues relating to web design and the user experience. An emphasis is placed on web standards, advanced HTML and CSS. Students work with industry standard tools to produce assignments that simulate real world projects. Additional topics to be discussed will include: User Testing, Project Panning, Ste Evaluation and Collaboration. (A material fee of \$30 will be assessed.)

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### GRA4154C: Advanced Illustration 3

Advanced problems and techniques of conceptual and editorial illustration. Problems and demonstration in a variety of media-methods of presentation.

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### GRA4179C: Social Design 3

Prerequisites: GRA3203C Prepress Production, GRA3183C Typography Studio 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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.

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### GRA4712C: Digital Video Technology 3

**Prerequisite:** GRA 3833C This course explores the art of story telling and video editing using non-linear digital video editing. Topics will include: Discussion on the latest advances in desktop video applications, special effects and the role these new technologies play in video production.

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### 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 \$30 will be assessed.)

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### 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.

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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 \$30 will be assessed.)

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PGY2110C: Color Photography 3

Prerequisites: PGY 2401C and PGY 3410C. The aesthetics and technology of color photography. Differences in various color films and the use of filters. Assignments in color transparencies and color negative printing. (A material fee of \$50 will be assessed.)

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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 \$50 will be assessed.)

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PGY3234C: Fashion Photography as Art 3

Prerequisites: PGY 2401C , PGY 3410C, PGY 2110C This course utilizes studio and location approaches to photographic fashion design and illustration. The course is designed to teach the student the "Art of Fashion Photography". This implies "ART" as the main ingredient in the work to be accomplished. This course will explore the origins of fashion photography to the modern concept as visualized in current fashion magazines and other venues. Students will demonstrate critical thinking as it applies to this profession along with feminist dialogues concerning such imagery. The course will instruct the student in the professional use of transparency film and use digital photography as it applies to the profession of fashion photography, along with the use of studio fashion lighting. (A material fee of \$50 will be assessed.)

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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 \$50 will be assessed.)

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PGY3801C: Digital Imaging for Photo Majors 3

Prerequisite: PGY 2401C. This course involves contemporary computer technology for use in photography. Students apply software as a creative tool for darkroom functions. Projects in black and white, and color manipulation are required. Basic computer competency is required. (A material fee of \$50 will be assessed.)

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**PGY4105C: The Fine Print** 3

Prerequisites: PGY 2401C and PGY 3410C This course is designed to teach the methods and techniques inherent in making "Fine Print." The Fine Print is defined as a final print that contains all correct tonal values for the given subject base on the zone system.

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**PGY4201C: 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 \$50 will be assessed.)

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**PGY4213C: Classic Black and White Portraiture** 3

Prerequisites: PGY 2401C, PGY 3410C, PGY 2110C This course introduces students to a complex and diverse lighting system focused on the intrinsic 1930s and 1940s level of photographic portraiture. Students will read and concentrate on visual patterns of light forms established by photographic portrait masters such as Hurrell, Beaton, et. al. who have visually inculcated their designs into western visual culture. (A material fee of \$50 will be assessed.)

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**PGY4220C: Advanced Photo Illustration** 3

Prerequisites: PGY 2401C, PGY 3410C, PGY 4201C, PGY 2110C, PGY 3801C. Course emphasis is on studio photography with strong concentration in large format (4x5) camera techniques for commercial application. Students are required to solve specific conceptual and design problems. Emphasis is placed on achieving professional results comparable to contemporary advertising and media images. (A material fee of \$50 will be assessed.)

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**PGY4443C: Photo Arts** 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 \$50 will be assessed.)

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**PGY4470C: Senior Photo Portfolio** 3

Senior Status photography students only. Students work on preparation of a final portfolio, based on individual style and concept development based on the student's need of continued education, or professional placement. (A material fee of \$50 will be assessed.)

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## PGY4610: Photojournalism

3

Prerequisite: PGY 2401C. Camera reporting and feature photography; practice in telling a story with pictures for the mass media; ethical practices in photographic use in publication. Student supplies own camera and materials. (A material fee of \$50 will be assessed.)

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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### 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.

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### 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.

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### 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.

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### 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.

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#### MSL4905: Independent Study

v. 1-3

Prerequisite: Requires departmental permission. Enrollment is determined by the Professor of Military Science This course introduces students to fundamental leadership styles and their effectiveness in and out of the work place; Students will be able to mend growing problems and work to further solidify unity in the environment; Students will also work on military counseling and the methods for which it is used.

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#### MSL4941: Advanced Leader Training

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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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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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 \$30 will be assessed.)

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### 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.

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### BSC2012C: General Biology III 4

Prerequisites: BSC1010C General Biology I, BSC1011C General Biology II 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.

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### BSC2020C: Human Biology 4

This is an introduction to the science of biology with emphasis on the structures and functioning of the human organism. Three hours lecture, four hours laboratory. (A laboratory fee of \$30 will be assessed.)

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### BSC2085C: Human Anatomy and Physiology I 4

This course includes units concerning the organization of the human body, support and movement, the nervous system and special senses, and the endocrine system.(A laboratory fee of \$30 will be assessed.)

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**BSC2086C: Human Anatomy and Physiology II** 4

Prerequisite: BSC 2085C. This course is a continuation of BSC 2085C. and 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. (A laboratory fee of \$30 will be assessed.)

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**BSC2930: Selected Topics - Biology** v. 2-4

Prerequisite: Permission of instructor. Variable topics in biology appropriate for students in their freshman or sophomore years.

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**BSC3052: Conservation Biology** 3

Prerequisite: BSC 1010C, BSC 1011C, BSC 2012C. This course will investigate the major causes responsible for declining global biodiversity and its implications.

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**BSC3053: Health Effects of Environmental Pollutants** 3

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.

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**BSC3057: Introduction to Environmental Studies** 3

This course represents the core foundation course for the interdisciplinary Environmental Studies minor. Topics cover a broad range of environmental issues in order to lay the foundation for the understanding of complex environmental issues and the interactions between human behavior, technology, and the natural environment. Course content provides an introduction to issues of biodiversity, appreciating human impact, principles of sustainability, biotechnology, resource conservation, legal and policy issues, ethics, and ecopsychology. (This course cannot be used by biology majors to satisfy degree requirements.)

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**BSC3263: Marine Biology** 3

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.

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### 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.

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### 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.

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### 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.

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### 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.

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### BSC4931: Senior Seminar in Biology 2

Prerequisite: Senior standing or permission of department. Field, laboratory or library studies will be required in senior seminar. Students who choose field or lab studies must complete BSC 4905-Directed Independent Study before enrolling in senior seminar. Note: Senior Seminar is only offered fall and spring semesters. May be repeated for a total of 12 credits.

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### MCB2010C: Microbiology 4

Prerequisites: BSC 1010C and CHM 2045C. The spectrum of the microbial world with emphasis on cell structure, reproduction, and physiology. Three hours lecture, four hours laboratory. (A laboratory of \$30 will be assessed.)

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### 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 \$30 lab fee will be assessed.)

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### MCB3203: Pathogenic Bacteriology 3

Prerequisite: MCB 2013C (with instructor permission) or MCB 3930C. 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.

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### MCB3212: Biological and Medical Aspects of the Acquired Immune Deficiency Syndrome 3

Prerequisites: BSC 1010C or permission of instructor. This course offers information on the biology of human defense and failure of that defense which results in HIV disease/AIDS. Topics include the biology and immunology of the AIDS virus, its opportunistic infections, clinical reasons for therapy failure, prevention, prevalence in U.S. and other countries and HIV testing.

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### 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.

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### 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 \$30 lab fee will be assessed.

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### 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.

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### OCE4930: Special Topics in Marine Science v. 2-4

Topics will vary from time to time but may include estuarine biology, marine chemistry and mariculture.

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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 \$30 will be assessed.)

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PCB3043C: Ecology 4

Prerequisites: BSC 1010C, BSC 1011C, BSC 2012C. A study of the basic principles involved in the functioning of ecological systems, with special reference to the major terrestrial and aquatic ecosystems of Florida. Three hours lecture, four hours laboratory and field work. (A laboratory fee of \$30 will be assessed.)

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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 \$30 will be assessed.)

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PCB4067: Molecular Basis of Inheritance 3

Prerequisite: PCB 3063C GENETICS 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.

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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.

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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.

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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 \$30 will be assessed.)

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#### 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 \$30 will be assessed.)

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#### 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.

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#### PCB4713C: Physiology 4

Prerequisites: PCB 3023C, PHY 2054, and PHY 2054L. The study of functional activities and interactions of cells, tissues and organs, with emphasis on respiration, excitation, transport phenomena, and control mechanisms. Three hours lecture, four hours laboratory. (A laboratory fee of \$30 will be assessed.)

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#### 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.

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#### ZOO2203C: Invertebrate Zoology 4

Prerequisite: Zoology or equivalent. A survey of the invertebrate phyla from the protozoa through the lower chordata, emphasizing comparative aspects of morphology and embryology as well as ecology and distribution. Three hours lecture, four hours laboratory. (A laboratory fee of \$30 will be assessed.)

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#### 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 \$30 will be assessed.)

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#### 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.(A laboratory fee of \$30 will be assessed.)

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#### 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 \$30 will be assessed.)

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#### 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. (A laboratory fee of \$30 will be assessed.)

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#### ZOO4462C: Herpetology 4

Prerequisites: BSC 1010C, BSC 1011C, and BSC 2012C. Study of the natural history of amphibians and reptiles with emphasis on systematics and evolutionary adaptations. Three hours lecture, two hours laboratory and two hours field work.(A laboratory fee of \$30 will be assessed.)

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#### 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.

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#### 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. Three hours lecture, four hours laboratory. (A laboratory fee of \$30 will be assessed.)

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#### ZOO4823C: General Entomology

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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.(A laboratory fee of \$30 will be assessed.)

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

HUM3524: FC - Great Age of Vienna 3  
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. A survey course taught in lecture format.

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MUC2211: Music Composition I 1  
Prerequisites: Permission of Instructor. 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.

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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.

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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.

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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.

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#### 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.

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#### 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.

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#### 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.

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#### 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.

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#### 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.

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#### 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.

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MUE3332: Instrumental Materials Practicum 2

Prerequisite: MUG 3104. This is a comprehensive course that emphasizes effective score reading and rehearsal techniques of instrumental ensembles.

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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.

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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.

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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.

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MUG3302: Advanced Instrumental Conducting v. 1-2

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.

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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.

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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.

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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.

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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.

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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.

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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 the Evolution of Jazz course, 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.

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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.

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MUH3211: Music History I 3

Prerequisite: Four semesters of music theory. The history of music from ancient times through the Classical period.

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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.

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MUL4400: Piano Literature I 2

The course presents standard compositions of the piano repertoire through the Classical era.

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MUL4401: Piano Literature II 2

The course deals with piano repertory from the Romantic Era to the present.

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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.

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MUL4434: Harp Literature 3

This course examines in detail the standard harp repertoire and its associated performance traditions.

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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.

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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.

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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.

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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.)

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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.)

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MUN2140: UNF Wind Ensemble (Lower) 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.)

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MUN2310: UNF Concert Choir 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.)

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MUN2510: Piano Accompanying 1

Prerequisite: Consent of instructor. The course will offer instruction in vocal and instrumental accompanying. May be repeated for a total of 4 credits. (A material fee of \$35 will be assessed.)

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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.)

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MUN2711: Combo Lab 1

Prerequisite: Audition by jazz faculty. The student will learn how to function in a jazz combo setting. The course will focus on developing listening and adaptive skills in a small group situation. May be repeated two times for a maximum of two credits.(A material fee of \$35 will be assessed.)

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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.)

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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.)

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MUN3143: UNF Wind Ensemble (Upper) 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.)

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MUN3313: UNF Concert Choir 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.)

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MUN3323: North Florida 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.)

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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.)

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MUN3411: String Quartet 1

Prerequisite: Consent of instructor. This course will deal with the playing of a variety of music for string quartet. May be repeated for credit eight times for a maximum of 8 credits. (A material fee of \$35 will be assessed.)

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MUN3413: String Ensemble 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.)

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MUN3423: Woodwind Ensemble 1

Prerequisite: Consent of instructor. The study and practice of ensemble literature for various combinations of woodwind instruments. Public performances may be included. Required for woodwind majors. May be repeated for credit up to 12 times.

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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.)

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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.)

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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.)

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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.)

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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.)

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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.)

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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.)

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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).

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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.

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MUS2221: French Diction 1

Prerequisite: Consent of instructor. This course deals with diction in singing French vocal works.

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MUS2231: German Diction 1

Prerequisite: Consent of instructor. This course deals with diction in singing German vocal works.

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MUS2241: Italian Diction 1

Prerequisite: Consent of instructor. This course deals with diction in singing Italian vocal works.

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MUS2930: Special Topics v. 1-3

May be repeated for a total of 8 credits.

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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.)

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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.)

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MUS3930: Special Topics in Music v. 1-3

May be repeated up to 30 credits.

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MUS3931: Eminent Scholars Seminar v. 1-3

May be repeated up to 10 credits.

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MUS4905: Directed Individual Studies v. 1-3

A maximum of 15 credits may be accumulated in directed individual studies.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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MUT1362: Jazz Fundamentals II 2

Prerequisite: MUT 1361. This course is a continuation of MUT 1361 (Jazz Fundamentals I). Students will study melodic minor derived modes, whole tone scales, bebop scales, advanced chord/scale relationships, and ploychords.

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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.

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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.

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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.

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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.

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MUT2641: Jazz Improvisation I 2

Prerequisite: MUT 1361 and MUT 1362 with B average and scale audition. Beginning level in learning the art of jazz improvisation. Improvisation of modal tunes and over the IIm7-V7 progression in all major keys.

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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.

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MUT3611: Form and Analysis 3

Prerequisite: Two years of college theory. Analysis of musical forms in western music.

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MUT3643: Jazz Improvisation III 2

Prerequisite: Grade of B or above in MUT 2642 and scale audition. Advanced techniques and practices of jazz improvisation.

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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.

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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.

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MUT3649: Vocal Improvisation/Piano IV 3

Prerequisite: MUT 3648. This course continues the improv and piano skills from Vocal Improv/Piano III.

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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.

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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.

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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.

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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.

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MUT4626: 20th Century Music Theory 3

Prerequisite: Two years of college music theory. A study of 20th century compositional techniques. Includes analysis and synthesis.

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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.



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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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MVJ1016: Applied Jazz Saxophone I 2

Prerequisites: Consent of instructor and admission to Music department. 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. This course is repeatable one time for a total of four credit hours.

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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.

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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.

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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.

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MVJ2326: Applied Jazz Saxophone II 2

Prerequisite: Successful completion of MVJ 1016 Applied Jazz Saxophone I, or consent of instructor. 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. This course is repeatable one time for a total of four credit hours.

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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.

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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.

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MVJ3436: Applied Jazz Saxophone III 2

Prerequisite: Successful completion of MVJ 2326 Applied Jazz Saxophone II, or consent of instructor. 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. This course is repeatable one time for a total of four credit hours.

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MVJ4346: Applied Jazz Saxophone IV 2

Prerequisites: Successful completion of MVJ 3436 - Applied Jazz Saxophone III, or consent of instructor. 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. This course is repeatable one time for a total of four credits.

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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.

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MVK1111: Class Piano I 1

Fundamentals of piano. One class hour per week. May be repeated for a total of 2 credits.

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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.

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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.

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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.

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MVK1621: Piano Pedagogy I 2

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 beginning students.

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### MVK1622: Piano Pedagogy II 2

Prerequisite: MVK 1621 Piano Pedagogy I 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 strategies for prevention of common problems associated with students in the first two years of study: directives for the development of musicality through creative activities and musicianship classes: the use of digital pianos and technological advances for teaching piano: and a continuation of class presentations and projects on topics presented in the text

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### 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.

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### 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.

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### 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.

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### 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.

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### MVK2624: Intermediate Piano Pedagogy 2

Prerequisites: MVK 1621 Piano Pedagogy I, MVK 1622 Piano Pedagogy II 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.

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### MVK2626: Advanced Piano Pedagogy 2

Prerequisites: MVK 1621 Piano Pedagogy I, MVK 1622 Piano Pedagogy II, MVK 2624 Intermediate Piano Pedagogy 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. 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.

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### 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.

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### 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.

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### MVK3603: Pedagogy of Group Piano I 2

Prerequisites: MVK 1621 Piano Pedagogy I, MVK 1622 Piano Pedagogy II, MVK 2624 Intermediate Piano Pedagogy, MVK 2626 Advanced Piano Pedagogy 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 will be required, as well as practice teaching of lessons.

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### MVK3604: Pedagogy of Group Piano II 2

Prerequisites: MVK 1621 Piano Pedagogy I, MVK 1622 Piano Pedagogy II, MVK 3603 Pedagogy of Group Piano I, MVK 2624 Intermediate Piano Pedagogy, MVK 2626 Advanced Piano Pedagogy 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.

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MVK3631: Piano Pedagogy I 2

Prerequisites: Consent of instructor and MVK 1311. The course deals with how to teach piano at the beginning level. May be repeated for a total of 4 credits.

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MVK3632: Piano Pedagogy II 2

Prerequisites: Consent of instructor and successful completion of MVK 3631. The course deals with how to teach piano at the intermediate level. May be repeated for a total of 4 credits.

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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.

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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.

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MVK4941: Internship in Piano Pedagogy I 2

Prerequisites: MVK 1621 Piano Pedagogy I, MVK 1622 Piano Pedagogy II, MVK 2624 Intermediate Piano Pedagogy, MVK 2626 Advanced Piano Pedagogy, MVK 3603 Pedagogy of Group Piano I, MVK 3604 Pedagogy of Group Piano II 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.

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MVK4942: Internship in Piano Pedagogy II 2

Prerequisites: MVK 1621 Piano Pedagogy I, MVK 1622 Piano Pedagogy II, MVK 2624 Intermediate Piano Pedagogy, MVK 2626 Advanced Piano Pedagogy, MVK 3603 Pedagogy of Group Piano I, MVK 3604 Pedagogy of Group Piano II, MVK 4941 Internship in Piano Pedagogy I Internship in Piano Pedagogy II 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.

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MVO4640: Wind and Percussion Pedagogy 3

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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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MVS3530: String Repertory I 2

This course deals with string repertory from the Baroque Period through the Classical Period. May be repeated for a total of 4 credits.

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MVS3531: String Repertory II 2

This course deals with string repertory from the Romantic Period through the 20th Century. May be repeated for a total of 4 credits.

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MVS3601: Harp Pedagogy 3

Prerequisite: Permission of the instructor. This course explores the many aspects of harp technique, including pedagogical methods and the repertoire appropriate for the teaching of harp at all levels.

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MVS3640: String Pedagogy 3

Prerequisite: Permission of instructor. This course will cover the study of various string teaching methods and playing techniques, as well as the selection of appropriate repertoire for students of all levels. The course content 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 class format will include lectures, class discussions, class presentations as well as listening and video presentations.

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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.

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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.

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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.

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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.

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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.

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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.

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MVV1111: Class Voice 1

Fundamentals of vocal production. One class hour per week. May be repeated for a total of 2 credits.

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MVV1311: Applied Voice 2

Prerequisite: Consent of instructor. Individual instruction in applied voice. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVV2321: Applied Voice 2

Prerequisite: Consent of instructor. Individual instruction in applied voice. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVV3331: Applied Voice 2

Prerequisite: Consent of instructor. Individual instruction in applied voice. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVV4341: Applied Voice 2

Prerequisite: Consent of instructor. Individual instruction in applied voice. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

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MVV4640: Vocal Pedagogy 2

Prerequisite: Consent of instructor. The course examines various voice teaching methods. May be repeated for a total of 4 credits.

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MVW1211: Secondary Flute I 1

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated twice for a total of 2 credits.

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MVW1213: Secondary Clarinet I 1

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW1311: Applied Flute I 2

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW1312: Applied Oboe I 2

Prerequisite: Consent of instructor. Individual instruction in oboe. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW1313: Applied Clarinet I 2

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW1314: Applied Bassoon I 2

Prerequisite: Consent of instructor. Individual instruction in bassoon. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW1315: Applied Saxophone 2

Prerequisite: Consent of instructor. Individual instruction in saxophone. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW2221: Secondary Flute II 1

Prerequisite: Consent of instructor. Individual instruction in flute. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW2223: Secondary Clarinet II 1

Prerequisites: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW2321: Applied Flute II 2

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW2322: Applied Oboe II 2

Prerequisite: Consent of instructor. Individual instruction in oboe. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW2323: Applied Clarinet II 2

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW2324: Applied Bassoon II 2

Prerequisite: Consent of instructor. Individual instruction will be given in bassoon. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW2325: Applied Saxophone 2

Prerequisite: Consent of instructor. Individual instruction in saxophone. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW3231: Secondary Flute III 1

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW3233: Secondary Clarinet III 1

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW3331: Applied Flute III 2

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW3332: Applied Oboe III 2

Prerequisite: Consent of instructor. Individual instruction will be given in oboe. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW3333: Applied Clarinet III 2

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW3334: Applied Bassoon 2

Prerequisite: Consent of instructor. Individual instruction in bassoon. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW3335: Applied Saxophone 2

Prerequisite: Consent of instructor. Individual instruction in saxophone. Private lesson and performance laboratory weekly. May be repeated for a total of 4 credits.

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MVW4241: Secondary Flute IV 1

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW4243: Secondary Clarinet IV 1

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated for a total of 2 credits.

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MVW4341: Applied Flute IV 2

Prerequisite: Consent of instructor. Individual instruction will be given in flute. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

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MVW4342: Applied Oboe IV 2

Prerequisite: Consent of instructor. Individual instruction will be given in oboe. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

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MVW4343: Applied Clarinet IV 2

Prerequisite: Consent of instructor. Individual instruction will be given in clarinet. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

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MVW4344: Applied Bassoon 2

Prerequisite: MVW 3334 and consent of instructor. Individual instruction in bassoon. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.



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## MVW4345: Applied Saxophone

2

Prerequisite: Consent of instructor. Individual instruction in saxophone. Private lesson and performance laboratory weekly. May be repeated up to 3 times for a total of 8 credits.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

**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, four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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**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.

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**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 \$25 assessed.)

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**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.

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**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.

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CHM2045: General Chemistry I 3

Prerequisite: CHM 1025C or equivalent and 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.

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CHM2045L: General Chemistry I Laboratory 1

Prerequisite: CHM 1025C or equivalent and 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 \$25 will be assessed.)

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CHM2046: General Chemistry II 3

Prerequisite: CHM 2045 Co-requisite: CHM 2046L The course covers the chemistry of gases, liquid, solids, thermodynamics, electrochemistry, aqueous equilibria, and reaction rates.

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CHM2046L: General Chemistry II Laboratory 1

Prerequisite: CHM 2045 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 \$25 will be assessed.)

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CHM2210: Organic Chemistry I 3

Prerequisite: CHM 2046C or equivalent. 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.

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CHM2210L: Organic Chemistry I Laboratory 1

Note: Students are required to bring a combination lock to class on the first day of lab. Corequisite: CHM 2210. Techniques used in organic laboratories such as crystallization, distillation chromatography. Four hours laboratory. Natural science majors must co-enroll in CHM 2210/CHM 2210L. (A laboratory fee of \$25 will be assessed.)

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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.

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### CHM2211L: Organic Chemistry II Laboratory 1

Note: Students are required to bring a combination lock to class on the first day of lab.  
Corequisite: CHM 2211. Continuation of CHM 2210L; emphasis on organic synthesis.  
Four hours laboratory. Natural Science majors must co-enroll in CHM 2211/CHM 2211L.  
(A laboratory fee of \$25 will be assessed.)

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### 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.

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### CHM3120C: Quantitative Analytical Chemistry 4

Note: Students 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, four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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### 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.

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### 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 \$25 will be assessed.)

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### 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, four hours of scheduled laboratory, additional unscheduled laboratory work required. (A laboratory fee of \$25 will be assessed.)

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#### CHM4260C: Advanced Organic Chemistry 4

Note: Students are required to bring a combination lock to class on the first day of lab.  
Prerequisites: CHM 2211, CHM 2211L. An in-depth study of the bonding theory (including valence bond and molecular orbital approach). Stereochemistry, conformation, structure and reactivity, kinetic and non-kinetic techniques of determining organic reaction mechanisms, some modern synthetic methods and introduction to pericyclic reactions. Three hours lecture, four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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#### CHM4410C: Physical Chemistry I 4

Prerequisites: CHM 2046C or equivalent, PHY 2054/PHY 2054L or PHY 2049/PHY 2049L, MAC 2312. Energetics and chemical affinity; states of matter and changes of state; solutions. Three hours lecture, four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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#### CHM4411C: Physical Chemistry II 4

Prerequisite: CHM 4410C. Reaction rates; interfaces; the chemical bond; photochemistry. Three hours lecture, four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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#### 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.

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#### 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.

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#### 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.

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CHM4910: Chemical Research v. 2-4

Prerequisite: Junior or senior standing and consent of instructor. Laboratory or field research in collaboration with chemistry faculty. No more than 4 hours will count towards chemistry electives. (A laboratory fee of \$25 will be assessed.)

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CHM4930: Selected Topics in Chemistry v. 1-4

Prerequisite: Permission of instructor. Variable topics as related to recent advances in chemistry. May be repeated for a total of 12 credits.

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CHM4931: Senior Seminar in Chemistry 1

Prerequisite: Senior chemistry major or permission of department. 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.

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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.

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CHS4610: 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.

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CHS4610L: 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. Four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

PHH3100: Ancient Philosophy 3  
A survey of the major metaphysical, epistemological and ethical issues which concerned the ancient Greek and Roman philosophers. Included will be pre-Socratics, Plato, Aristotle, the stoics, the epicureans and the Neo-Platonists.

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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.

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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.

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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.

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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.

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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".

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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.

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PHH3860: (FC) The Japanese Mind 3

A study of Japanese cultural thought with an emphasis on the philosophy behind Shinto, Zen Buddhism, the samurai spirit (Bushido), Japanese aesthetics, and modern Japanese-Western intellectual interactions; critique of "orientalism": how the West understands the East.

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PHH4121: Ancient Greek Ethics 3

Pre-req: 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.

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PHH4601: 20th Century Continental Philosophy 3

Prerequisite: PHH 3400 or PHH 3500. An examination of major issues and figures in 20th century continental philosophy. Attention is given to phenomenology, existentialism, semiotics, structuralism, post-structuralism, and deconstruction. Readings taken from recent German and French authors.

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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.

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PHI2010: G(W) 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.

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PHI2100: G(W) 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.

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PHI2630: G(W) 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.

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PHI2930: Selected Topics: Philosophical Inquiry v. 1-4

Selected topics in philosophy.

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PHI3130: G(M) Symbolic Logic 3

Truth table and natural deduction approaches to modern logic. Propositional calculus, predicate calculus, logic of relations, identity and definite descriptions.

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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?

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### PHI3930: Selected Topics

v. 1-4

May be repeated for a total of 12 credits under different topics.

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### 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.

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### PHI3935: Ancient Philosophy: Selected 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.

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### PHI4220: Philosophy of Language

3

Prerequisite: One course in philosophy other than foreign culture. Language is the most distinctive characteristic of humans. This course will examine a cluster of problems and theories about language including the relation of language to the world, the meanings of propositions, the problem of truth, and what language reveals about the possibility of "innate ideas".

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### PHI4300: Epistemology

3

Prerequisite: One course in philosophy other than foreign culture. Epistemology, the theory of knowledge, is often taken to be a foundational area of philosophy. This course will examine a constellation of related problems, starting with the question: What, if anything, can we know, how we know what we know, and how can we be certain that what we know is true?

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### 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.

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### 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.

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### 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.

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### 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?

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### PHI4500: Metaphysics

3

Prerequisite: One course in philosophy other than foreign culture. The ultimate nature of reality is probably the oldest and deepest philosophical problem. A number of answers to the question "What is really real?" have been given, several of which will be considered in this course. Special emphasis on the ontological status of minds, universals, matter, and God.

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PHI4905: Directed Individual Study v. 1-3

May be repeated for 12 credits under different topics.

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PHI4930: Special Topics in Philosophy 3

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.

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PHI4935: Philosophy Seminar v. 3-4

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.

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PHI4970: Senior Honors Thesis v. 3-6

Research and honors thesis writing under the supervision of a departmental committee. May be repeated for a maximum of 6 credits.

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PHM2030: Ecological Philosophy 3

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.

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PHM3020: Philosophy of Love and Sex 3

This course is an examination of contemporary views of love and sex as well as their roots in earlier philosophical conceptions. The course covers such topics as erotic love and the self, homosexuality and heterosexuality, non-erotic love, and the ways love, sex, and marriage may affect women and men differently.

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PHM3050: Ethical Issues in Death and Dying 3

In this course, we take a philosophical approach to death and dying in order to understand and analyze some of the ethical, medical, psychological, and legal issues surrounding death and dying. Topics to be covered include whether life is always preferable to death, deciding how much control we should have over our own deaths, how much control (if any) advance directives should have in directing end-of-life treatments plans, how much money should be spent on expensive treatments which

provide little benefit, the right of hospitals to decide when life prolonging treatment is futile, the moral obligation of doctors to tell their patients their prognosis, differential criteria for determining death, and whether one is allowed to bring about or assist in the death of another.

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### PHM3100: Social Philosophy 3

An analysis and evaluation of different accounts of society, social order, and human sociation. Readings from classical social philosophers and contemporary social theorists.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### REL2930: Selected Topics v. 1-4

Variable topics in religion.

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REL3012: (CD) Myths and Rituals 3

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.

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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.

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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.

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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.

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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.

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### REL3145: Women and Religion: The Western Experience 3

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.

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### 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.

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### 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.

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### 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.

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### REL3293: Selected Topics: Biblical/Scriptural Studies 3

May be repeated for a total of 9 credits under different topics.

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### 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.

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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.

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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.

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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.

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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.

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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.

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REL3607: Selected Topics in Jewish Studies 3

An examination of one of several alternating topics in Jewish thought and history: Rabbinic Judaism; Zionism and the Emergence of Israel; The Cabala and Jewish Mysticism; The Holocaust.

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REL3930: Selected Topics: History of Religion 3

May be repeated for a total of 9 credits under different topics.

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REL3936: Selected Topics: Religious Thought 3

May be repeated for a total of 15 credits under different topics.

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REL4900: Directed Independent Study Rel Studies v. 1-3

Prerequisite: consent of instructor, program coordinator, and department chairperson.  
May be repeated for up to 6 credit hours, check enrollment restriction. This course will allow students to design a religious studies course to fit their own needs and interests. Broadly speaking it will examine the phenomenon known as religion in an impartial, academic manner. The course might compare aspects of the variety of the world's religions, ask philosophical questions about the nature of religion, and/or explore the relationship between religions and the larger cultural context in which religions are found.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

**ADV3008: Principles of Advertising** 3  
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.

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**ADV3101: Advertising Copywriting** 3  
Prerequisites: ADV 3008 and MMC 3105. Preparation and production of advertising copy for all media.

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**ADV3200C: Advertising Design** 3  
Prerequisite: ADV 3008 Principles of Advertising and ADV 3101 Advertising Copywriting  
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.

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**ADV3300: Media Planning** 3  
Prerequisites: ADV 3008 and MMC 3105. 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.

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**ADV4800: Advertising Campaigns** 3

Prerequisites: ADV 3008, ADV 3101 and MMC 3105. 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.

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### 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.

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### COM3003: Principles of Communication Studies 3

Prerequisites: SPC 2068 or SPC 4064 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.

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### COM3042: Interpersonal Communication 3

Prerequisite: SPC 2068 or SPC 4064 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.

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### COM3120: Organizational Communication 3

Prerequisite: SPC 2068 or SPC 4064 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.

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### COM3346: Interviewing: Theories and Methods 3

Prerequisite: SPC 2068 or SPC 4064 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.

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### COM3440: Small Group Communication 3

Prerequisites: SPC 2068 or SPC 4064 This course will introduce theories regarding the

interaction of individuals in groups. Assignments and activities will increase understanding of communication in groups encountered in both personal and professional contexts. Topics include systems theory, decision-making, problem-solving, leadership, power and status, parliamentary procedure, and group development.

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### 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.

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### COM4301: Communication Theory and Research Methods 3

Prerequisite: SPC 2068 or SPC 4064 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.

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### 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?

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### COM4430: International Communication 3

Prerequisite: SPC 2068, SPC 4064, MMC 3614 or permission of instructor 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.

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### 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.

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### 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.

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### JOU3101: Advanced Reporting 3

Prerequisite: MMC 3105. 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.

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### 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.

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### JOU3302: Writing Editorials, Columns and Critical Reviews 3

Prerequisites: MMC 3105 and JOU 3101. This course introduces students to the practice of persuasive or opinion writing through the writing of editorials, columns and critical reviews.

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### JOU3308: Magazine Feature Writing 3

Prerequisites: MMC 3105 and JOU 3101. This 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.



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JOU3925: Applied Journalism (Print) 3

Prerequisites: MMC 3105 and JOU 3101 or consent of the instructor. 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. Applied Journalism may be repeated up to six credits, but not for major credit.

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JOU4117: Seminar in Reporting Techniques 3

Prerequisites: MMC 3105 and JOU 3101 or consent of the instructor. 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.

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JOU4202: Advanced Newspaper Editing 3

Prerequisites: MMC 3614, MMC 3105, and JOU 3101. 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.

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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.

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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.

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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.

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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.

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### MMC3105: Advanced Writing for the Media 3

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.

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### MMC3200: Law & Ethics of Communications 3

Study of mass communications ethics, codes and performance. First Amendment law, libel, privacy and other legal aspects of communications are explored. Case-study questions.

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### 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.

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### MMC3614: Principles of Media and Society 3

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.

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### MMC3620: International Study in Communications v. 1-6

Students can earn up to six hours of credit through the study of the international issues involved in both interpersonal and mass communication. Prior approval awarded on a case-by-case basis, is necessary. The course may be repeated for credit. The content of the course varies with offering.

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### 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.

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MMC4420: Mass Communications Research 3

Prerequisites: MMC 3614 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.

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MMC4424: Honors Research in Mass Communications 3

Prerequisites: Admissions to Honors in the Major-Mass Communications, MMC 3105 with "B" or higher. Honors Research in Mass Communications enables students to conduct research in Mass Communications under the direct supervision of qualified faculty. Students develop their ideas, conduct appropriate research, and write an extended research report. GPA of 3.5, enrollment in Honors Program, and enrollment in BS in Mass Communication required.

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MMC4905: Independent Study v. 1-3

Prerequisite: Consent of instructor or department chairperson. May be repeated for a maximum of 12 credits under different topics.

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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.

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MMC4975: Senior Project 3

Prerequisites: At least 90 semester hours (senior standing), including MMC 3105, MMC 3200, MMC 3614, and at least 3 of the courses required in student's concentration; a UNF and major GPA OF 2.0 or higher 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.

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PUR3000: Principles of Public Relations 3

Survey of principles, policies and practice of public relations, focusing on planning, publics, techniques and agencies utilizing public relations. Individual or team projects

involving actual public relations "clients".

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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.

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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.

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PUR4800: Public Relations Campaigns 3

Prerequisites: MMC 3105, PUR 3000, PUR 3100, PUR 4801 or Permission of Instructor. 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.

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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.

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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.

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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.

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RTV3101: Advanced Broadcast Writing 3

Prerequisites: MMC 3105, MMC 3614, and RTV 3000. 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.

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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 \$15 will be assessed.)

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RTV3234: Radio and Television Announcing 3

Prerequisite: MMC 3105. 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.

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RTV3301: Producing TV News 3

Prerequisite: RTV 3000 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.

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RTV3324: Public Affairs Television 3

Prerequisites: RTV 3220C, RTV 3101, RTV 3301 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.

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RTV3800: Broadcast Management 3

Prerequisite: RTV 3000. 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.

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RTV4221C: Advanced Television Production 3

Prerequisite: RTV 3220C. This course will provide continuing instruction in television techniques learned in RTV 3220C. Advanced electronic field production will be utilized in the studio and on-location. There will be 6 hours of lab time per week.

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RTV4403: Media Criticism 3

PREREQS: RTV 3000 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.

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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.

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RTV4930: Special Topics in Electronic Media 3

Prerequisites: MMC 3105 and RTV 3000. 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.

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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.

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SPC3540: Theories of Persuasion 3

Prerequisites: SPC 2060 Fundamentals of Speech OR SPC 4064 Public Speaking for Business & the Professions. 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.

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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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### AST2002: Basic Astronomy 3

Prerequisites: High school algebra and trigonometry. 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. There will be occasional observing sessions. Three hours lecture.

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### AST2002L: Basic Astronomy Laboratory 1

Corequisite: AST 2002 or permission of instructor. 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. Three hours laboratory. (A laboratory fee of \$25 will be assessed.)

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### AST3217: Astrophysics I 4

Prerequisite: PHY 2049 with a minimum grade of B Co-requisite: PHY 3101 or permission of instructor 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.

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### AST3402: Astrophysics II 4

Prerequisite: AST 3217 or permission of instructor Co-requisite: PHY 3101 or permission of instructor This course is part of a two-semester upper-level introduction to 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.



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### ESC2000C: Earth Science 3

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 concepts of weather and climate, the evolution of the ocean basins and the impact of the oceans on the continents, and human's impact on the earth systems. There will be two hours lecture and three hours laboratory. (A laboratory fee of \$25 will be assessed.)

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### ISC2074: Colonization of Space 2

Prerequisite: AST 2002 or equivalent. In this course students will study the ongoing exploration of outer space, with special attention paid to economically important activities such as weather, communication, navigation and earth resources, satellites, and planned facilities, such as the space station, satellite power stations, manufacturing facilities and colonies. Two hours lecture.

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### PHY1020: Introduction to Physics 2

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.)

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### PHY1020L: Introduction to Physics Lab 1

Co-requisite: PHY 1020 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. (A laboratory fee of \$25 will be assessed.)

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### PHY2048: Calculus-based Physics I 4

Prerequisites: MAC 2311 and high school physics with a minimum grade of B or PHY 1020C. Corequisite: MAC 2312. An introduction to the fundamental laws and theories of physics with an emphasis on mechanics, heat and wave motion. Four hours lecture.

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### PHY2048L: Calculus-based Physics I Lab 1

Corequisite: PHY 2048. Laboratory exercises to accompany PHY 2048. Three hours laboratory. (A laboratory fee of \$25 will be assessed.)

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PHY2049: Calculus-based Physics II 4

Prerequisites: PHY 2048 and MAC 2312. A continuation of PHY 2048 with emphasis on electricity, magnetism and light. Four hours lecture.

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PHY2049L: Calculus-based Physics II Lab 1

Corequisite: PHY 2049. Laboratory exercises to accompany PHY 2049. Three hours laboratory. (A laboratory fee of \$25 will be assessed.)

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PHY2053: Algebra-based Physics I 3

Prerequisites: MAC 1105, MAC 1114 or MAC 1147 and high school physics with a minimum grade of B or PHY 1020C. An introduction to mechanics, waves and heat. Calculus not required. Three hours lecture.

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PHY2053L: Algebra-based Physics I Lab 1

Corequisite: PHY 2053. Laboratory exercises to accompany PHY 2053. Three hours laboratory. (A laboratory fee of \$25 will be assessed.)

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PHY2054: Algebra-based Physics II 3

Prerequisite: PHY 2053. An introduction to electricity, magnetism, light and modern physics. Calculus not required. Three hours lecture.

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PHY2054L: Algebra-based Physics II Lab 1

Corequisite: PHY 2054. Laboratory exercises to accompany PHY 2054. Three hours laboratory. (A laboratory fee of \$25 will be assessed.)

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PHY2930: Selected Topics in Physics v. 2-4

Prerequisite: Permission of instructor. Variable topics in physics appropriate for students in their freshman or sophomore years.

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PHY3101: Modern Physics 3

Prerequisite: PHY 2049. Corequisite: MAC 2313. The 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. Three hours lecture.

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PHY3101L: Modern Physics Laboratory 1

Corequisite: PHY 3101 or permission of instructor. Experiments exploring 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. Four hours laboratory. (A laboratory fee of \$25 will be assessed.)

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PHY3220: Classical Mechanics 4

Prerequisites: PHY 2049 and MAC 2312. Corequisite: MAP 2302. Principles of Newtonian mechanics 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. Four hours lecture.

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PHY3320: Electricity and Magnetism 4

Prerequisites: PHY 2049 and MAC 2313. The 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; computational methods applied to electricity and magnetism. Four hours lecture.

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PHY3424: Optics 3

Prerequisites: PHY 2049 and MAC 2313. Geometrical and physical optics. Treatment of lenses and mirrors, optical instruments, interference, diffraction and polarization phenomena, and computational methods applied to optics. Three hours lecture.

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PHY3722C: Eletronics for Scientists 4

Prerequisites: PHY 2049 and MAC 2312. This is an introductory course in electronic design and circuitry with emphasis on common scientific instrumentation. Three hours lecture.

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PHY4523: Thermodynamics and Statistical Mechanics 4

Prerequisites: PHY 3101 or CHM 4410C, and MAC 2313. Introduction to thermodynamics, statistical mechanics and kinetic theory, including ensembles and partition functions. Three hours lecture.

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PHY4604: Quantum Mechanics 4

Prerequisites: PHY 3101, MAC 2313, and MAP 2302. 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. Four hours lecture.

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PHY4802L: Advanced Physics Laboratory 2

Prerequisites: PHY 3101L. This course consists of experiments in condensed matter, nuclear and other areas of physics research, including computational physics and optical physics. The student will learn how to use the computer to control experiments and obtain and analyze data. Six hours laboratory. (A laboratory fee of \$25 will be assessed.)

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PHY4905: Directed Independent Study in Physics v. 1-4

Prerequisite: Permission of instructor. Participation in research investigation under the supervision of an instructor. May be repeated up to 12 hours for credit under different topics.

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PHY4910: Physics Research and Seminar 1

Prerequisites: Junior or senior standing and consent of instructor; PHY 3101L. Projects in experimental, theoretical, or computational physics conducted in collaboration with physics faculty. This course requires an oral and written research report by the student

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PHY4930: Selected Topics in Physics v. 1-4

Prerequisite: Permission of instructor. Applications of physics to topics of interest, especially to recent advances in physics. May be repeated up to 12 hours for credit under different topics.

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PHZ3113: Mathematical Physics 3

Prerequisites: PHY 2049 and MAC 2313. Corequisite: MAP 2302. 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. Three hours lecture.

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PHZ3404: Solid State Physics 3

Prerequisite: PHY 3101. The electrical, mechanical, optical and thermal properties of solids, and selected applications. Three hours lecture.

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PHZ4160: Advanced Topics in Physics 4

Prerequisites: PHY 3220, PHY 3320, and PHY 4604. This 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. Four hours lecture.

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### PHZ4303: Nuclear Physics

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Prerequisites: PHY 3101 and PHY 4604. An introductory course emphasizing nuclear structure, radioactivity, radiation detection methods, and nuclear reactions, and applications. Three hours lecture.

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### PSC4905: Directed Independent Study

v. 2-4

Prerequisite: Permission of instructor. Variable topics as related to recent advances in physics. May be repeated up to 12 credits with different topics.

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## UNDERGRADUATE CATALOG 2009-2010

## Select a course:

## 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.

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## 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.

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## 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.

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## CCJ3700: Research Methods in Criminology &amp; Criminal Justice 3

Prerequisites: STA 2014 (ELEM. STATISTICS) 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.

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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.

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CCJ3932: ST: Criminal Justice v. 1-4

This course involves analysis of variable topics in criminal justice. May be repeated for a total of 12 credits under different topics.

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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.

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CCJ4604: Insanity and Crime 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.

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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.

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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.

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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.

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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.

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CCJ4680: 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.

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CCJ4905: Directed Independent Study v. 1-4

Prerequisite: Permission of the program director. Independent study of some aspect of or issues in criminal justice, supervised by a member of the faculty specializing in the area chosen by the student. May be repeated for a total of 12 credits under different topics.

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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 usually be spread over two semesters. Repeat up to six credits.

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CCJ4931: Controversial Legal Issues 3

An analysis of selected topics wherein legal decisions are the focus for conflicting ideological, political, moral or economic forces. Designed to enhance the student's understanding of the legal forum's role in the resolution of social conflict.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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### 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).

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### 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.

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### 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.

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### 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

CPO2002: Introduction to Comparative Politics 3  
This course examines the political structures, processes, and institutions of selected advanced industrial societies.

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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.

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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.

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CPO3213: Politics and Society in Subsaharan Africa 3  
This course is concerned with the government, politics, and society of sub-Saharan Africa. These political systems will be traced back to their roots in traditional Africa, to colonial Africa, and to particular patterns of administration and politics based on the systems imposed by former European colonial powers. The course will also show how many customary laws and practices found expression in the political and legal structures of the new polities. Since post-independence years, politics in sub-Saharan Africa is still characterized by ethnic conflicts, military interventions, and social disequilibria, as well as by democratic governments.

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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.

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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.

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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.

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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.

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CPO4774: Comparative Political Communication 3

This upper-level course examines political campaign communications in Australia, Canada, Germany, Israel, the United Kingdom, and the United States. The course traces the history and development of campaign communications; how and why such messages are constructed; and how they influence, or are used, by the public.

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CPO4930: Topics in Comparative Politics v. 1-4

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.

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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.

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INR2271: Politics of the Middle East and North Africa 3

Today's conflicts in the Middle East and North Africa will be analyzed against the background of the religious, social, linguistic and national divisions that characterize the region. Relations of the states in this region with the United States, Europe and other regions will also be explored.

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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.

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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.

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INR3248: (FC)US Carib/Ca Rel 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.

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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.

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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.

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### INR3955: Political Studies Abroad v. 1-3

Prerequisite: Permission of the instructor. The purpose of Political Studies Abroad is to acquaint students first-hand with the political culture and political institutions of other countries. Students will meet with representatives of political parties, movements and governments in order to learn about issues and policies in the host country. (This course may be repeated for credit.)

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### 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.

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### INR4435: Northern Ireland Peace Process 3

Prerequisite: INR 2002. The Northern Ireland Peace Process explores the conflict in Northern Ireland, focusing on the 1990s peace process, the resulting 1998 Good Friday Agreement, and current/potential obstacles to peace. Political concepts such as self-determination, legitimacy, bargaining, and leadership provide means for examining the positions and political cultures of the four main stakeholders: Nationalists, the British government, Unionists, and the Irish government.

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### 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.

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### 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.

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INR4905: Directed Independent Study v. 1-4

Prerequisites: Permission of instructor Independent study of student-selected topics under the guidance of the International Studies Program Director or other approved program faculty. This course may be repeated for a total of 12 credits under different topics.

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INR4930: Capstone Seminar: International Studies 3

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.

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PAD4003: Public Administration 3

Prerequisite: POS 2041 or consent of instructor. Exploration of the creation, growth and operation of public bureaucracies and their impact on the politics of modern industrial states.

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PAD4027: Issues in Public Management 3

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.

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PAD4832: Issues in Comparative Public Administration 3

This course will compare the public administration systems and public policy-making process in the United States and various other countries, as well as in IGOs and NGOs, as well as in the European Union. The course will examine different means by which policy decisions are taken and implemented in different national and international contexts.

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POS2041: Introduction to American Government 3

This course provides a broad look at government in the U.S., introducing major institutions and participants and considering various explanations of why our political system behaves as it does. The course reviews governmental response to major issues to illustrate both the power and limitations of our system of government.

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POS2932: Special Topics in Politics 3



This course explores political and policy dilemmas associated with cultural and gender issues in both the U.S. and abroad. May be repeated up to 12 credits.

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### POS3114: Issues in State and Local Government 3

Analysis of the structure, functions and processes of subnational governments in American state government, city government, metropolitan authorities.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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POS3606: The U.S. Supreme Court and other Federal Courts 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.

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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.

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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.

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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.

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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.

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POS3713: Political Inquiry and Analysis 3

Prerequisite: Sophomores and Juniors only Introduction to research methods in political science, emphasizing concept formulation, measurement, research design, data collection and analysis and other activities involved in professional political research.

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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.

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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.

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POS4093: Politics of the War on Drugs 3

The course examines the banning of opiates in the United States beginning in 1914 and continuing to the present. It will focus on the role of Federal Drug Enforcement Agencies such as the Drug Enforcement Agency, Federal Mandatory Sentencing Guidelines, campaigns to end international drug trafficking and illicit trafficking of prescription narcotics.

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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.

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POS4173: Southern Politics 3

Political processes and problems characteristic of the southern States of the USA.

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POS4233: Public Opinion and Interest Groups 3

Prerequisite: POS 2041 or consent of instructor. This course examines the impact of public opinion on the governmental process. The course considers the transformation of public opinion into interest group activities, and the impact of interest groups on the policy process. The course also considers political protest as well as the tendency to avoid political participation.

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POS4463: Interest Groups and American Democracy 3

Prerequisite: POS 2041 or consent of instructor. The purpose of the course is to examine the role of economic interest groups in the American democracy. The role of grassroots movements in these issues will also be considered.

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POS4608: Constitutional Law: Sources of Power and Restraint 3

Prerequisites: POS 3606 or Consent of Instructor 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.

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POS4624: Constitutional Laws: Civil Rights and Civil Liberties 3

Prerequisite: POS 3606 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.

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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. Supervised readings and/or research, coupled with presentation of a high-quality paper on a topic of interest to the student. May be repeated up to 12 credits under different topics.

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POS4930: Senior Seminar in Political Science 3

Prerequisite: Senior standing; satisfactory completion of all required core courses. 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.

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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.

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POS4945: Practicum: Legislative v. 3-4

Prerequisite: Consent of instructor. This course provides a supervised internship or research field experience within the discipline of political science.

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### PUP4003: The Policy-Making Process 3

Study of the legislative, executive, judicial and interest-group relationships in the making and administration of public policy in the USA.

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### 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.

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### PUP4518: Information Technology and Politics 3

This course assesses the socio-political implications of current Information Technologies. The course will comparatively examine a host of political issues, including the digital divide, government censorship, online communications and social networks, privacy and information warfare.

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### 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### AML3031: G(W) Periods of Early American Literature 3

Prerequisite: One course in literature. 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. Gordon Rule English credit.

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### AML3041: G(W) Periods of Later American Literature 3

Prerequisite: One course in literature. 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. Gordon Rule English credit.

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### AML3102: G(W) American Fiction 3

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 Chesnut, F. Scott Fitzgerald, Ernest Hemingway, William Faulkner, Richard Wright, John Steinbeck, John Gardner, Ronald Sukenick and Joyce Carol Oates. Gordon Rule English credit.

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### AML3154: G(W) American Poetry 3

American poetry from the colonial period to the present, with variable emphasis. See department office for reading list. Gordon Rule English credit.

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AML3621: G(W) 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.

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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.

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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.

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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.

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CRW2930: G(W) 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.

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CRW3015: Writer's Workshop 3

May be repeated for a total of 6 credits.

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CRW3930: Special Topics in Creative Writing 3

Prerequisite: Junior standing or permission of instructor. Topics of importance in theory and/or practice in composition. Course may be repeated up to 12 credits with different topics.

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CRW4424: Playwrights' Project 4



This course creates a bridge between playwriting and the stage, by demonstrating the connection between playwriting, acting, and directing. The first three-quarters of the course is an intensive writing workshop that introduces students to the craft of playwriting. The final quarter of the course consists of a production component where students are required to produce selected, stage-worthy scripts.

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CRW4905: Tutorial in Creative Writing 3

Prerequisite: Senior standing and permission of instructor. Tutorial in creative writing; topic to be agreed upon with instructor. May be repeated for a total of 12 credits.

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ENC1101: G(W) College Writing 3

This course is an introduction to writing at the college level. Gordon Rule English credit.

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ENC1102: G(W) 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.

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ENC2210: G(W) 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.

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ENC2930: G(W) 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.

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ENC3250: G(W) 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.

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ENC3310: G(W) 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.

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ENC3930: Topics in Theory and/or Practice in Composition 3

Prerequisite: Junior standing or permission of instructor. Topics of importance in theory and/or practice in composition.

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ENC4930: Topics in Theory and/or Practice 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.

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ENG3930: Topics in Criticism and Interpretation of Literature 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.

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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.

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ENG4105: Film as Literature 3

Film and literature courses bring visual and print text together in the course of study. Course content varies as does approach and purpose. Courses could include the study of one author's novels and screenplays; or the study of a literary genre put to film, such as drama; or the study of film adaptations of literary works; or any configuration of literature and film.

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ENG4905: Tutorial in Criticism and Interpretation 3

### Of Literature

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.

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### ENG4930: Topics in Criticism and Interpretation of Literature 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.

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### ENG4933: Seminar v. 1-3

Prerequisite: Consent of instructor. May be repeated for a maximum of six credits.

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### ENL3112: G(W) British Novel I 3

The development of the novel in England to about 1875. Such authors as Bunyan, Defoe, Fielding, Richardson, Smollett, Sterne, Austen, Scott, Dickens, the Brontes, Thackeray, Eliot, Trollope and Lewis Carroll. Gordon Rule English credit.

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### ENL3132: G(W) British Novel II 3

The novel in Britain from about 1875 to the present. Such authors as Hardy, Kipling, Conrad, Forster, Joyce, Lawrence, Ford, Woolf, Waugh, Greene, Cary, Beckett, Spark and Fowles. Gordon Rule English credit.

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### 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.

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### 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.

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### ENL3501: G(W) Periods of Early British Literature 3

Prerequisite: One course in literature. 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. Gordon Rule English credit.

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ENL3503: G(W) Periods of Later British Literature 3

Prerequisite: One course in literature. 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. Gordon Rule English credit.

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ENL4220: Studies in Renaissance Literature 3

Written works from 1500-1660 by such authors as Spenser, Sidney, Shakespeare, Jonson, Donne, Marvell and Milton.

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ENL4230: Studies in Restoration and 18th Century English Literature 3

Works by such writers as Dryden, Wycherly, Addison, Steele, Defoe, Swift, Pope, Fielding, Johnson, Boswell, Goldsmith, Sheridan, Burke, Gray and Collins.

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ENL4240: Studies in English Romantic Literature 3

Representative works by such writers as Blake, Southey, Wordsworth, Coleridge, Byron, Shelley, Keats, Lamb, Hazlitt, De Quincey and Scott.

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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.

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FIL2000: Introduction to Film Studies 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.

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FIL3826: American Film 3

Prerequisite: FIL 2000, LIT 3213 This course will survey the entire span of American Film from the silent films of D.W. Griffith and Charlie Chaplin to Classical Hollywood to Film Noir to the New Hollywood of the 1970s and beyond. The course will examine the emergence of genre films, including melodrama, comedy, western, musical, science fiction, horror, war, and drama. Special attention will be paid to cultural and historical context of American Film.

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FIL3930: Topics in Film 3

This course offers varied topics, themes, or movements in film. It may cover themes, such as race in film; or survey a specific period. Such as colonial Latin American history in film; or focus on a specific genre, such as American Vietnam War films or musicals. By way of specific focus, Topic in Film contributes to students' broad understanding of film. Every offering will use film as its primary medium of study and refine students' viewing skills.

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FIL4828: International Film 3

Prerequisite: Sophomore, junior, or senior standing. This course involves studying films from foreign cultures, such as French, German, Japanese, Australian. Films studied are classic or significant films representing both the cultures and important statements about the human encounter. Longer in-class experience allows for viewing and discussing each film in class, plus background on both the films and the culture.

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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 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.

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FIL4932: Documentary Studies 3

Prerequisite: FIL 2000, LIT 3213 Documentary Studies addresses issues in documentary representation with course content that may vary with each offering. The course may cover the history and development of documentary film; it may include other media, such as photography or print text.. Issues may include documentary aesthetics and ethics; truth and accuracy; propaganda and activism; relations between subject and object; new media and access to media.

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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.

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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.

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LIN4930: Special Topics in Linguistics v. 1-3

Prerequisite: LIN 3010 or equivalent. Topics of importance in the study of language.  
May be repeated for up to 12 credits under different topics.

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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.

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LIT2000: G(W)Introduction To Literature 3

Prerequisite: ENC 1101 The course will introduce students to writing about literature with a focus on the close reading, critical analysis, and informed appreciation of different kinds of literary texts. Gordon Rule English credit.

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LIT2930: G(W) Special Topics in Literature 3

Variable topics in literature. May be repeated up to 6 credits with different topics.

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LIT2932: G(W) Special Topics in Literature 3

Prerequisite: ENC 1101 and LIT 2000. This course focuses on a theme or type chosen by the instructor, with attention to the nature of literary form. Gordon Rule English credit.

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LIT3043: G(W) Modern and Contemporary Drama 3

This course will examine European and American drama of the twentieth century. It begins with the founders of modern drama, Ibsen, Chekhov, and Strindberg, moves through those who experimented with realism such as Beckett or Baraka, and ends with contemporary works by Shephard or Churchill. Gordon Rule English credit.

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LIT3045: Periods of Dramatic Literature 3

A survey of select periods in the development of Western drama from the Greeks to the Twentieth Century. Students will evaluate how historical events shaped the formation of dramatic literature while reading the works of such dramatists as Sophocles, Shakespeare, Congreve, or Lorca.

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LIT3184: FC - G(W) Introduction to Irish Literature 3

## and Culture

This course provides an overview of Irish literature and culture, from their Celtic origins to the present. Gordon Rule English credit.

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## LIT3193: FC - G(W) Literature of the East 3

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. Gordon Rule English credit.

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## LIT3213: The Art of Critical Reading 3

This 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 and basic concepts of literary theory and then they will put these tools to work through written literary analysis. This class provides a solid foundation for the understanding of narrative and the practice of critical thought.

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## LIT3304: G(W) Literature of Popular American Culture 3

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. Gordon Rule English credit.

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## LIT3331: G(W) Children's Literature 3

This course examines literature for children from social, psychological, educational, and other points of view. Gordon Rule English credit.

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## LIT3333: G(W) Adolescent Literature 3

This course examines literature for adolescents from social, psychological, educational, and other points of view. Gordon Rule English credit.

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## LIT3408: Approaches to Literature: Myth 3

A survey of selected mythologies such as classical, Germanic, Hindu, biblical, American Indian, or Egyptian with attention to myth theory and the place of myth within literary culture.

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## LIT3420: Approaches to Literature: Psychology 3

Readings in major theories of psychology and in literary works to which they apply.

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LIT3930: Special Topics: Literature 3  
Prerequisite: Sophomore standing or permission of instructor. Variable topics in literature. May be repeated up to 12 credits under different topics. Gordon Rule English credit.

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LIT4041: Studies in Drama 3  
This course focuses on an historical or artistic problem or a period, style, or playwright; it includes reading and acting of scenes. The topic varies. The course may be repeated up to 6 credits with different topics.

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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.

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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.

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LIT4104: Studies in Medieval Literature 3  
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.

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LIT4186: Studies in Irish Literature 3  
Prerequisite: Junior standing or permission of instructor. Approaches to the literature of Ireland, in English. May be a comprehensive course, including poetry, fiction and drama; may focus on one of these literary types. Writers such as Yeats, Joyce, Synge, O'Casey, Bowen, O'Connor, Trevor, Montague, O'Brien, and Heaney. Course may be repeated up to 6 credits with different topics.

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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.

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LIT4650: Comparative Literature 3



Variable topics; world literatures in translation. Course may be repeated up to 12 credits under different topics.

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LIT4905: Independent Study v. 1-3

Prerequisite: Consent of instructor and department chairperson. Tutorials or senior theses handled under this title. May be repeated up to 12 credits under different topics and permission of department.

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LIT4930: Special Topics in Literature v. 1-3

Prerequisite: Junior standing or permission of instructor. Topics of importance in literature. Course may be repeated up to 12 credits under different topics.

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LIT4931: Special Topics in Cultural Studies 3

This course studies the interaction among texts and culture from diverse perspectives- aesthetic, economic, historical, and technological. Texts may be literary, filmic, televisual, or musical. Variable topics in cultural studies. May be repeated up to 6 credits with different topics.

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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.

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LIT4935: G(W) Literary Themes 3

This course will analyze literary themes as they occur in several genres, periods, texts and traditions. The course may be repeated for credit with variable content.

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SLS1990: First Year Seminar v. 0-1

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.

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THE4923: Play Production v. 1-4

In this course, students help produce a major dramatic production sponsored by the

Department. With the professor, they plan and execute all aspects of play production and participate in the practical exigencies of translating a script into a theatrical event. The course offers opportunities for acting and theatrical work. May be repeated for up to twelve (12) credits.

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THE4935: Special Topics-Theatre v. 1-3

Permission of instructor and department chair required. May be repeated up to 6 hours for credit under different topics.

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TPP2100: Acting Workshop 3

This course focuses on the problems and techniques associated with the acting process. Work emphasizes formal and improvisational techniques for developing vocal, physical, and analytical skills, with the major emphasis on building a character. It is recommended for students who intend to participate in department productions. It may be repeated for up to six (6) credits.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### CBH3004: Comparative Psychology 3

Prerequisite: PSY 2012. 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.

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### CLP2001: Personal Growth 3

This course is an introduction to the concepts and techniques of psychology which apply to personal growth and development. Emphasis will be placed on the interpersonal aspects of effective behavior.

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### CLP4134: Childhood Psychopathology 3

Prerequisite: CLP 4143 or instructor permission 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.

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### CLP4143: Psychology of Abnormal Behavior 3

To 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.

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### CLP4183: Stress Management 3

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.

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### CLP4313: Health Psychology 3

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.

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### CLP4314: Behavioral Medicine 3

Prerequisite: PSY 2012 and CLP 4183. An introduction to the contribution of psychology in understanding the etiology of pathological conditions such as headaches, hypertension and digestive disorders. In addition, the course will focus on ways in which medical and psychological treatments may be combined for the alleviation of such disorders.

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### DEP2002: Foundations of Child and Adolescent Psychology 3

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.

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### DEP3054: Lifespan Developmental Psychology 3

Prerequisite: PSY 2012 or permission of instructor. 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.

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### DEP4060: Applied Developmental Psychology 3

Prerequisite: DEP 3054. 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 policy settings. An optional associated practicum experience (PSY 4945) is offered with this course.

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DEP4104: Advanced Child Psychology 3

Prerequisite: DEP 3054. 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 the general society.

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DEP4304: Advanced Adolescent Psychology 3

Prerequisite: DEP 3054. This course is designed to create a greater understanding of, and sensitivity to, contemporary adolescent behavior by relating research to current problems in the home, the school and the general society.

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DEP4464: Psychology of Aging 3

Prerequisite: PSY 2012 or consent of instructor. 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.

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DEP4482: Death and Dying 3

Prerequisite: DEP 3054. This course will examine end-of-life issues within the more general context of lifespan developmental psychology. Topics to be discussed include historical perspectives, euthanasia, medical and legal issues, hospice, grief and bereavement, children and death, violent death/disasters/megadeath, and beyond death.

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EAB3013C: Foundations of Experimental Analysis of Behavior Lab 4

Prerequisites: PSY 3214 and PSY 3213L. 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. (A material fee of \$15 will be assessed.)

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EAB4703: Behavior Modification 3

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.

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EXP3104: Human Sensory Perception 3

Prerequisite: PSY 2012. 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.

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### EXP3412: Learning Theory 3

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.

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### EXP3461C: Human Learning and Performance 4

Prerequisites: PSY 3214 and PSY 3213L. 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.

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### EXP3604: Cognitive Psychology 3

Prerequisite: PSY2012 Introduction to Psychology. 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.

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### EXP3680C: Experimental Cognitive Psych 4

Prerequisites: PSY 3214 and PSY 3213L. 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.

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### EXP3703C: Computer Applications in Psychological Research 4

Prerequisites: PSY 3214 and PSY 3213L. 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.

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### INP4004: Industrial Organizational Psychology 3

Prerequisite: SOP 3004. 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.

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PCO4004: Introduction to Counseling 3

Prerequisites: DEP 3054 plus PPE 4003 or CLP 4143. 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.

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PPE4003: Theories of Personality 3

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.

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PSB3002: Psychobiology 3

Prerequisites: Human Anatomy and Physiology, Zoology or General Biology with laboratory. An 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.

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PSB4113: Principles of Biofeedback 3

An in-depth discussion of the major modes of biofeedback, including electromyographic and thermal feedback. This course will introduce students to the advantages, disadvantages, safety precautions, ethics and major applications of biofeedback.

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PSY2012: Introduction to Psychology 3

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.

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PSY2930: Special Topics 3

Exploration of topics of current importance in psychology. Topics will vary from semester to semester. May be taken by majors and non-majors. May be repeated up to 12 credits.

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PSY3021: Professional Opportunities in Psychology Seminar 1

Prerequisite: PSY 2012. 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.

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PSY3213L: Research Methods Lab 1

Prerequisite or corerequisite: PSY 3214. 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.

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PSY3214: Research Methods in Psychology 3

Prerequisite: STA 2014. 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.

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PSY3810: Evolutionary Psychology 3

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.

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PSY3911: Supervised Research v. 1-3

Prerequisite: PSY 3214. 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 is on a pass/fail basis.

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PSY4302C: Psychological Testing 4

Prerequisites: STA 2014, PSY 3214 and PSY 3213L. 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.

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PSY4604: History of Psychology 3

Prerequisites: PSY 2012 or Equivalent and Junior or Senior Status; Permission of Instructor 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.



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PSY4904: G(W) Honors Research v. 1-6

Prerequisites: Admission to Honors in Psychology Program, PSY 3214, and one experimental course. 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.

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PSY4906: Directed Individual Study v. 1-3

Prerequisite: Fifteen hours core in psychology. May be repeated up to 12 credits under different topics but only 3 credits may be counted as a part of the degree program.

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PSY4931: Seminar v. 1-3

Prerequisite: Fifteen hours core in psychology. May be repeated up to 12 credits but only 3 credits may be counted as a part of the degree program.

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PSY4935: Special Topics in Psychology v. 1-4

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. May be repeated up to 12 credits but only 4 credits may be counted as part of the degree program. May be taken by non-majors.

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PSY4945: Practicum in Applied Psychology v. 1-3

Placement in a community setting reflecting the student's main area of job orientation; supervision by faculty. 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.

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SOP2772: Human Sexual Behavior 3

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.

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SOP3004: Social Psychology 3

An introduction to the study of social influences on human behavior. Topics include social perception, affiliation, attraction, prosocial behavior, aggression, attitudes and attitude change, group behavior and leadership.

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### SOP3214C: Experimental Social Psychology 4

Prerequisites: PSY 3214 and PSY 3213L. An introduction to the study of social influences on the behavior of individuals. The principles studied will be applied under controlled laboratory conditions.

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### SOP3515: Fundamentals of Conflict Transformation 3

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.

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### SOP3723: Culture and Psychology 3

Prerequisites: PSY 2012 INTRODUCTION TO PSYCHOLOGY 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.

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### SOP3742: CD-Psychology of Women 3

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.

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### SOP3751: Psychology and the Law 3

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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### AMH3192: Mark Twain's America 3

American society, culture, and politics during Mark Twain's lifetime, 1835-1910, as seen through books written or published by Mark Twain.

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### 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.

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### 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.

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### 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".

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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AMH4514: Seminar: U.S. Diplomacy 3

PREREQUISITE: HIS 3051 or permission of instructor. An investigation into topics in U.S. diplomatic history, such as World War II, the Cold War, Inter-American Relations. May be repeated for 6 credits with consent of the instructor.

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AMH4906: Directed Individual Study v. 1-3

Prerequisite: Written consent of the instructor. May be repeated for 6 credits with consent of chairperson.

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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

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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.

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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.

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ASH3401: Beyond Chairman Mao 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.

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### 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.

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### 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.

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### 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

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### 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.

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### 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.

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### ASH3601: (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.

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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.

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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.

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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.

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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).

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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.

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EUH1000: G(W) 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.

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EUH1001: G(W) 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.

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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.

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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.

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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.

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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.

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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.

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EUH3202: Enlightenment and Power: Europe 1660-1789 3

This course examines European ideas, society, and politics from the restoration of the British monarchy in 1660 to the fall of the French monarchy.

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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.

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### 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.

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### 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.

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### EUH3300: (FC) 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 achievement of Byzantine civilization and the heritage of Byzantium in later cultures.

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### 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.

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### 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.

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### EUH3403: (FC) Ancient Greece 3

This course provides a comprehensive examination of the culture of ancient Greece from Mycenaen times to the death of Alexander the Great. An historical approach will be supplemented by analysis of Greek literature, art, and thought.

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### 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.

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**EUH3451: France Since 1789** 3

Examines political, social, economic, and cultural aspects of French history since the Revolution.

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**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.

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**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.

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**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.

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**EUH3502: Modern Britain** 3

Examines the political, economic and social transformations of the United Kingdom from 1714 to present.

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**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.

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**EUH3530: History of the British Empire** 3

Beginning in the 16th century and re-inventing its purpose in the 19th century, England established an international empire. This course examines the origins, growth, zenith, and decline of that empire with an emphasis on the non-Western world.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**EUH3957: European History Abroad** v. 1-3

This special topics course involves students in learning an aspect of European history with all or part of the course taught on-site in Europe. Topics vary with the instructor. The course may be repeated for credit, up to a maximum of 6 semester hours.

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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.

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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.

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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.

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EUH4408: Alexander the Great 3

Prerequisites: HIS 3051 Craft of the Historian 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.

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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.

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HIS2930: Selected Topics v. 1-4

Variable topics in history. May be repeated for a maximum of 6 credits.

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### HIS3051: G(W) 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.

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### 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.

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### 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.

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### HIS3317: History in Photography and Film 3

This course considers how photographs and film (including documentary and feature films) both distort and reflect historical reality, and how photographs and films can be used as historical evidence.

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### HIS3403: Nature, Power and Metropolis 3

We will explore key relationships of power, class, and ethnicity, in addition to problems like sprawl, pollution, and environmental racism. We take a thematic approach, exploring the following broad topics: Part I, how society used natural resources like water and timber to build large cities during the industrial revolution; Part II, how burgeoning urban areas transformed their surroundings, leading to smoky skies, polluted canals, and dense housing; Part III, how different social and political groups have thought about and tried to improve the urban environment, reacting to issues like pollution, disease, and natural disasters.

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### 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.

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### HIS3931: Topics in Law and Society 1

This course offers a series of intensive historical case studies on how the law affects,



and is affected by social developments. Representative topics include violence in America, the death penalty, and lawyers and lawsuits. In each instance, the approach is historical, emphasizing the social causation of important long-term changes, such as the fluctuating rate of homicide cases or the growing willingness to sue health-care providers. Students may take each course as a one-credit, five-week, "stand alone", or as a semester-long sequence of one-credit courses on different aspects of law and society. Students may take up to six different one-credit courses, earning a total of no more than six credits.

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HIS3932: Selected Topics:History 3

May be repeated for a total of 18 credits under different topics.

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HIS4906: Directed Individual Study v. 1-4

Prerequisite: Written consent of the instructor. May be repeated for a total of 6 credits under different topics.

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HIS4936: Seminars 3

PREREQUISITE: HIS 3051 or permission of instructor. May be repeated for a total of 15 credits under different topics.

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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.

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HIS4970: G(3) 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.

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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.

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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.

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LAH3135: Spain in the New World 3

This course will introduce students to the early years of colonial rule in Latin America. The course will cover the period bound roughly from the rise of the Inca and Aztec empires to the end of Habsburg rule in Spain. Particular attention will be given to the complex issues of religious change, acculturation and resistance, and ethnic and race relations, both before and after the conquest. By exploring these broad themes, students will be better able to comprehend the complex relationships between Amerindians, Africans and Europeans.

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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.

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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.

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LAH3712: (FC) Inter-American Relations 3

A historical examination of relations between the United States and Latin America emphasizing such issues as economic development, drug trafficking, human rights and national security. The course will focus upon the large Latin American nations such as Argentina, Brazil, Chile, Mexico, and Peru.

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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.

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LAH3736: 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.

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**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.

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**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.

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**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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### 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.

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### ANT2930: CD - Special Topics in Anthropology 3

Examination of topics of current importance in anthropology. Topics may vary. May be repeated for 6 credits.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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".

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.)

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### 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.

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### ANT4025: The Anthropology of Death 3

This course explores the anthropological perspective on the cultural, social, and biological nature of human death. Examples of topics that will be covered include: biological definitions of death, decomposition as it relates to funeral practices, global patterns of mortuary rituals and funerary behavior, the cultural construction of death, the effects of death on the social fabric, and cultural and social facets of mourning and bereavement. Throughout the course, students will examine the variety of social and cultural responses to the biological fact of death. In doing so, they will be exposed to the Anthropological literature that seeks to explain or interpret the tremendous variety of human behavior surrounding death and dying. The course will be cross-cultural, holistic, and bio-cultural in its outlook and will require students to make conceptual connections between theoretical literature and empirical observations.

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### 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.

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### 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.

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### ANT4115: Archaeological Research Strategy 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.

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### 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.

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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.

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ANT4331: (FC) People of the Andes 3

The geography, history, culture and current status of South American Andean peoples.

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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.

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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.

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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.

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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.

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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.

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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.

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ANT4931: Selected Topics in Cultural Anthropology 3

Study of relevant issues in cultural anthropology. May be repeated for 12 credits under different topics.

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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.

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SOW3203: Social Welfare Institutions 3

This course provides and 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 vulnerable and oppressed populations. Students will be introduced to the basics of policy analysis and program evaluation. Controversial issues relating to current policies and programs will be explored.

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SOW4302: Social Work as a Profession 3

Prerequisite: SOW 3203 Social Welfare Institutions This course provides a foundation in generalist social work knowledge and skills for practice at the micro-level with individuals and families in a variety of social services settings. Emphasis will be placed upon the development of interpersonal communication, assessment, and service planning skills. Special attention will be paid to the influence of personal values and

biases on effective and ethical social work practice with individuals and families. Strategies for the resolution of ethical dilemmas and culturally competent practice will be explored.

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### SOW4322: Social Work Practice II 3

Prerequisite: SOW 3203 Social Welfare Institutions This course provides a foundation in the development of generalist social work knowledge and skills for practice at the mezzo- and macro-levels with groups, organizations, and communities. Theories and models of group, organizational, and community behavior and change will be examined. The role of social workers in advocating for organizational and social change will be explored.

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### 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.

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### SOW4511: Community Agency Practicum I 3

Prerequisites: SOW 3203, SOW 4302, SOW 4322 Co-requisite: SOW 4510 This supervised field experience allows students to apply the conceptual knowledge, and skills acquired through academic courses to work with a specific client system in a social services setting. The practicum is integral to the education and professional socialization of social welfare students, providing a structured and supervised environment in which students may apply theoretical knowledge, test and refine practice skills, and adopt professional behaviors.

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### 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.

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### 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.

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### SYA3310: Qualitative Research Methods 3

PREREQ: 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.

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SYA3450C: Social Science Data Analysis 3

PREREQ: 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.

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SYA3930: Junior Seminar 3

Prerequisite: SYG 2000 or equivalent. This course provides students majoring in sociology an opportunity to systematically explore the discipline.

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SYA3931: Special Topics in Sociology v. 2-5

This course will cover variable topics in sociology. The course may be repeated for a total of 15 credits under different topics.

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SYA4010: Sociological Theory 3

Prerequisite: SYG 2000, 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.

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SYA4905: Directed Individual Study v. 2-6

Prerequisite: Ten hours of sociology. Selected topics for independent study under the guidance, direction and examination of a faculty member specializing in the particular area chosen by the student. May be repeated a total of 6 credits under different topics.

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SYA4930: Special Topics in Sociology v. 2-5

Exploration of topics of current importance in the field of social problems, social organization or the discipline of sociology. May be initiated by one or more faculty members or by students, in consultation with department chairperson. May be repeated a total of 15 credits under different topics.

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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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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**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.

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**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.

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**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.

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**SYO3110: Sexuality and Marriage** 3

This course focuses on the dynamics of sexuality and marriage manifested in modern American society. Topics include interpersonal attraction, social dimensions of sexuality, marital and family interaction, parenting, marital breakup and alternate family forms.

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**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.

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**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.

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**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.

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### 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.

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### 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.

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### 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.

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### 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.

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### SYP3520: Criminology 3

This course studies major theories and empirical research findings pertaining to the causes, prevention, treatment and control of criminal behavior.

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### 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.

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### 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.

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### 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.

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### 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.

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### SYP4530: 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.

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### SYP4560: Child Abuse and Incest 3

The goal of this course is to extend the student's knowledge of the dynamics of child abuse and incest and learn its impact on the individual, the family, and our community. Our objectives will be to identify the dynamics of child abuse, and child neglect, both within and outside of the family; to gain an historical perspective on child abuse; to gain knowledge of identifying factors of child abuse victims; to learn how to treat child abuse offenders; and to be familiar with local community response to child abuse, state statutes and national trends.

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### 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.

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### 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### MAA4200: Mathematical Analysis 4

Prerequisites: MHF 3202 and two other mathematics or statistics courses with prerequisites at or above the level of Calculus II. A course designed to teach the foundations of analysis for secondary mathematics education majors. Topics will include: real numbers, sequences, Bolzano-Weierstrass Theorem, limits, continuity, uniform continuity, differentiation (Rolle's Theorem and the Mean Value Theorem), Riemann integration. (Cannot be used to satisfy degree requirements for mathematics majors.)

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### MAA4211: G(M) 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.

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### MAA4212: G(M) 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.

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### MAA4402: G(M) Complex Analysis 3

Prerequisites: MAC 2313 and another mathematics or statistics course with a prerequisite at or above the level of Calculus II. The complex number system, complex functions, analytic functions, contour integration, and residue theory.

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MAC1101: G(M) 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).

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MAC1105: G(M) 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 both MAC 1105 and MAC 1147.

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MAC1114: G(M) 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.

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MAC1147: G(M) 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.

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MAC2233: G(M) 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).

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MAC2241: G(M) 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).

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MAC2311: G(M) Calculus I 4

Prerequisite: MAC 1147. A two-semester sequence devoted to the basic ideas and

techniques of differential and integral calculus. Topics in sequences and infinite series are also covered. (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.

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MAC2312: G(M) Calculus II 4

Prerequisite: MAC 1147 and MAC 2311. A two-semester sequence devoted to the basic ideas and techniques of differential and integral calculus. Topics in sequences and infinite series are also covered. (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.

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MAC2313: G(M) Calculus III 4

Prerequisite: MAC 2312. A third course in calculus designed to cover calculus of functions of several variables.

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MAD3107: G(M) Discrete Mathematics 3

Prerequisite: MAC 2312. Review of sets, mappings and relations. Topics from graph theory and combinatorics.

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MAD4401: G(M) Numerical Analysis 3

Prerequisites: MAC 2313, MAP 2302, MAS 3105 and a scientific programming language. Topics will be selected from: error analysis, solutions of equations in one variable, polynomial interpolation and approximation, numerical integration, numerical solutions of initial value problems, and solutions of systems of linear equations.

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MAP2302: G(M) Ordinary Differential Equations 3

Prerequisite: MAC 2312. Topics will be selected from first and second order linear and non-linear equations, Laplace transforms, systems of equations, and numerical techniques.

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MAP4231: G(M) 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. Students may not receive credits for MAP 4603 and also for STA 4603.

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MAP4341: Elementary Partial Differential Equations 3

Prerequisites: MAP 2302 and MAC 2313. Methods for solving partial differential equations including separation of variables, Green's functions and Fourier series; parabolic (heat), hyperbolic (wave) and elliptic (steady-state) equations; practical problems and applications to physics and engineering.

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MAS3105: G(M) Linear Algebra 4

Prerequisite: MAC 2312. Systems of linear equations, matrices, vector spaces, linear transformations, eigenvectors and eigenvalues.

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MAS3203: G(M) Number Theory 3

Prerequisite: MAC 2312. An investigation of properties of the integers, including the Euclidean and division algorithms, prime factorization; Diophantine equations, and congruences.

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MAS4156: Vector Analysis 3

Prerequisite: MAC 2313. Vector fields, curl and gradients, line and surface integrals, Green's theorem, Stokes' theorem, divergence theorem; particular emphasis in physical and engineering sciences.

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MAS4301: G(M) Abstract Algebra 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.

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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.

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MAS4932: Capstone Experience in Mathematics 2

Prerequisite: Senior standing and permission of the Department. In this course the student will conduct a project, engage in an in-service experience, conduct research, or participate in a seminar. Specific opportunities for completing this Experience are available in the Mathematics and Statistics Office each term. (Required of all majors in Mathematics.)

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MAT3930: Selected Topics in Mathematical Science v. 1-3

May be repeated for a total of 12 credits with permission of department.

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MAT4906: Directed Individual Studies v. 1-3

May be repeated for a total of 12 credits with permission of department.

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MAT4931: Special Topics in Mathematical Science 3

Prerequisites: Variable. May be repeated for a total of 12 credits with permission of department.

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MAT4937: Seminars v. 1-3

May be repeated for a total of 12 credits with permission of department.

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MGF1106: G(M) 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.

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MGF1107: G(M) 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.

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MGF1113: G(M) 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.

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MGF1114: G(M) Mathematics for Teachers II 3

Prerequisites: MGF 1113. This course provides an introduction to Irrational Numbers and Real Numbers, Elementary Logic, Number Theory, Proportional Reasoning, Statistics and Analyzing Data, Probability, and Algebra and Coordinate Geometry.

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MHF3202: G(M) 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.

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MHF3404: G(M) History of Mathematics 3

Prerequisite: MAC 2312. Topics will be chosen from the history of mathematics, which starts with the invention of the number systems up to the present day. For example, number theory and geometry have been studied for thousands of years, and the subject of chaos only for the last few decades. Contributions from mathematical greats such as Archimedes, Descartes, Fermat, Newton, Leibnitz, Euler, and Gauss will also be discussed.

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MTG3203: G(M) Geometry for Middle School Teachers 3

Prerequisites: 9 hours of college mathematics. This course is primarily based on a discovery approach to plane Euclidean geometry. Triangles, quadrilaterals, regular polygons, circles, and other geometric figures will be investigated. Logical reasoning will be used to prove or disapprove conjectures. Computer programs such as Geometer's Sketchpad. might be used in this course. This course cannot be used to fulfill a degree requirement in the Department of Mathematics and Statistics.

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MTG3212: G(M) Modern Geometry 3

Prerequisite: MHF 3202. Foundations, models, and theorems of Euclidean and non-Euclidean geometries.

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MTG4302: G(M) Elementary Topology 3

Prerequisites: MAC 2313 and MHF 3202. Topological spaces, metric spaces, continuity and homeomorphisms, connectedness, compactness.

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STA2014: G(M) 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).

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STA2023: G(M) 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).

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STA3032: G(M) 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).

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STA3163: G(M) 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.

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STA3164: G(M) 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.

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STA4202: G(M) 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.

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STA4222: G(M) 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.

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STA4321: G(M) Probability and Statistics 4

Prerequisites: MAC 2312 or the approval of the department. Probability, distributions of random variables, moments. Estimation and hypothesis testing, theory and methods.

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STA4322: G(M) Statistical Theory 3

Prerequisites: MAC 2313 and STA 4321. Topics will include special continuous distributions, properties of estimators, sufficiency, consistency, minimum variance, and multivariate normal distributions.

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### STA4445: G(M) Applied Probability Models 3

Prerequisites: STA 4321 and MAS 3105. Study of how probability theory can be applied to the study of phenomena in such fields as engineering, operations research, biological science, social sciences and management science. Topics include Markov processes, Poisson processes, queuing systems, renewal theory, reliability.

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### STA4502: G(M) 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.

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### STA4504: G(M) Categorical Data Analysis 3

Prerequisites: STA 2014 or STA 2023. The Categorical Data course is an introduction to the methods used to analyze the count data and the life table data. The topics include data presentation, rates, life table and applications of life tables, contingency tables, multiple 2x2 tables, correlation, logistic regression, and survival analysis.

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### STA4664: Statistical Quality Control 3

Prerequisite: STA 2014 or STA 4321. An introduction to the methods of statistical quality control. Topics covered include control charts, acceptance sampling and experimental design.

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### STA4906: Directed Individual Studies v. 1-3

Prerequisite: Variable. May be repeated for 12 credits with permission of department.

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### STA4930: Special Topics in Statistics v. 1-3

Prerequisite: Variable. May be repeated for 12 credits with permission of department.

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### STA4935: Seminar in Statistics v. 1-3

Prerequisite: Variable. May be repeated for 12 credits with permission of department.

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## STA4945: Capstone Experience in Statistics

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Prerequisites: Senior standing and permission of the Department. In this course the student will conduct a project, engage in an in-service experience, conduct research, or participate in a seminar. Specific opportunities for completing this Experience are available in the Mathematics and Statistics Office each term. (Required of all majors in Statistics.)

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## Select a course:

### CHI1120: Beginning Chinese I 4

This course provides a basic introduction to modern Chinese, building a solid foundation in the structures, vocabulary, and pronunciation of the language. Native speakers of Chinese may take this course only with the permission of the Language Coordinator.

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### CHI1121: Beginning Chinese II 4

**Pre-requisites:** CHI 1120 Beginning Chinese or equivalent 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 speakers of Chinese may take this course only with the permission of the Language Coordinator.

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### CHI2200: Intermediate Chinese I 3

**Prerequisites:** CHI 1120 Beginning Chinese I, CHI 1121 Beginning Chinese II or equivalent 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 speakers of Chinese may take this course only with the permission of the Language Coordinator.

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### CHI2201: Intermediate Chinese II 3

**Prerequisite:** CHI 2200 Intermediate Chinese I 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 speakers of Chinese may take this course only with the permission of the Language Coordinator.

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CHI3400: Conversation in Chinese 3

Prerequisite: CHI 2201 or permission of instructor This course develops conversational skills in Chinese above the intermediate level. It includes conversation on directed topics. Native or heritage speakers of Chinese may take this course only with the permission of the instructor or the department chair.

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CHT3500: Chinese Culture 3

The 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. Language of instruction is English.

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FIL4822: French Cinema 3

This course examines narrative and thematic structure in recent French cinema. We 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.

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FIL4933: Topics in Foreign Language Cinema 3

This course focuses on national cinemas from specific linguistic and geographical regions of the world, for example, North and West Africa, Latin America, or 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. This course may be repeated for up to 6 credits with different topics.

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FOL1950: Beginning Foreign Language Study Abroad v. 3-6

Prerequisite: Permission by program director. Students can earn up to six hours of credit through study of foreign language abroad at the beginning level. Prior approval is necessary.

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FOL2930: Beginning Foreign Language I 4

Introductory intensive training in such languages as Arabic, Hebrew, Hindi, Japanese, Latin, Mandarin Chinese, Portuguese, and Russian. May require a lab. May be repeated for credit for different languages. Title varies with offering. May not be taken for credit by students with six or more hours of college credit in the target language.

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FOL2931: Beginning Foreign Language II 4

Prerequisite: FOL 2930 in the target language or equivalent proficiency. Continued intensive training in selected languages. May require a lab. May be repeated for credit for different languages. Title varies with offering. May not be taken for credit by students with twelve or more hours of college credit in the target language.

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FOL2952: Intermediate Foreign Language Study v. 3-12  
Abroad

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.

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FOL3930: Special Topics in Foreign Languages v. 2-4

Intensive training in such languages as French, Spanish and Portuguese, as resources and interests allow or intermediate and advanced training in French and Spanish. May require a lab. May be repeated up to 12 credits for different languages and levels. Title varies with offering.

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FOL3953: Advanced Foreign Language Study v. 3-12  
Abroad

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.

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FOT3510: (FC) Love in the Middle Ages 3

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.

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FOT3552: (FC) Women of the Muslim-Arab World 3

This course examines the changing roles of women in the Arab world through historical, anthropological, sociological, and fictional readings. The language of instruction is English. This course satisfies Foreign Culture requirement.

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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.

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FRE1120: Beginning French I 4

This course stresses the development of communicative and functional language use at the beginning level. This course gives the student the opportunity to develop a basic ability to read, write, speak and comprehend modern French. Native speakers of French may take this course only with the permission of the Foreign Language Coordinator.

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FRE1121: Beginning French II 4

Prerequisite: FRE 1120 or as determined by placement test results. 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 speakers of French may take this course only with the permission of the Foreign Language Coordinator.

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FRE2240: Intermediate French I 3

Prerequisites: FRE 1120 and FRE 1121 or as determined by placement test results. 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 speakers of French may take this course only with permission of the Foreign Language Coordinator.

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FRE2241: Intermediate French II 3

Prerequisite: FRE 2240 or as determined by placement test results. 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 speakers of French may take this course only with permission of the Foreign Language Coordinator.

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FRE3283: French Listening and Speaking Skills 3

Prerequisite: FRE 2240 Intermediate French I or equivalent 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. Heritage speakers of French may take this course only with permission of the World Languages Chair.

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FRE3300: French Grammar and Composition 3

Prerequisite: FRE 2240, FRE 2241 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.

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FRE3350: Readings in French Literature and 3

## Culture

Prerequisite: FRE 2240, FRE 2241 This course provides training in reading skills in French while giving students a broad background in French and Francophone literature and culture.

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### FRE3430: French for the Professions 3

Prerequisites: FRE 3283 or FRE 3300 or permission of instructor 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 speakers of French may take this course only with permission of the Foreign Language Coordinator.

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### FRE4402: Advanced French Conversation 3

Prerequisites: FRE 3283 or permission of instructor This course promotes the development of advanced skills in conversation and comprehension with emphasis on normative aspects of spoken French; it will include conversation on different topics. Native speakers of French may take this course only with permission of the Foreign Language Coordinator.

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### FRE4422: Advanced French Composition and Stylistics 3

Prerequisites: FRE 3234 or FRE 3300 or permission of instructor This course is a study of the complexities of written French through readings and extensive writing assignments in the form of themes, sketches, poems, and original stories.

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### FRE4501: France Today 3

Prerequisites: FRE 3283 or FRE 3234 or FRE 3300 or permission of instructor 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 course is taught in French.

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### 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. 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 may be repeated for up to 6 credits under different topics. It is not open to Minors in French.

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### FRE4930: Special Topics in French Culture v. 3-6

Prerequisites: FRE 3300 or FRE 3234 or permission of instructor 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. This course may be repeated for up to 6 credits with different topics.

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FRT3550: (FC) Faces of France 3

This course examines social, political, literary, and artistic issues in contemporary France through the study of culture, fiction, and film. This course will be taught in English.

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FRT3800: French Translation Techniques 3

Prerequisites: FRE 3234 or FRE 3300 or permission of instructor. 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. This course taught in French.

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FRT4561: Women in French Literature and Culture 3

This course is a study of important women writers and cultural figures drawn from the Middle Ages to the present such as Marie de France, Christine de Pisan, Louise Labé, Mme de Lafayette, Georges Sand, Colette, Simone de Beauvoir, Marguerite Duras, Helene Cixous, etc. The professor may choose to focus the course on particular periods or centuries. This course is taught in English.

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FRW3100: Survey of French Literature: Pre-19th Century 3

Prerequisites: FRE 3234 or FRE 3300 or permission of instructor This course provides a survey of major French texts and authors from the medieval period to the end of the 18th century.

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FRW3101: Survey of French Literature: The Modern Period 3

Prerequisites: FRE 3234 or FRE 3300 or permission of instructor This course will provide a survey of representative works from the 19th and 20th centuries, with emphasis on the evolution of literature and its relation to society throughout this period. This course is taught in French.

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FRW4930: Special Topics in French Literature 3

Prerequisites: FRE 3234 or FRE 3300 or permission of instructor This course constitutes a focused study of an author, period, movement or theme, and may be repeated up to 6 credits with different topics.

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GER1120: Beginning German I 4

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.

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GER1121: Beginning German II 4

Prerequisite: GER 1120 or equivalent. 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 prepares students for study at the intermediate level. Native speakers of German may take this course only with the permission of the Language Coordinator.

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GER2200: Intermediate German I 3

Prerequisite: GER 1120 and GER 1121 or equivalents. 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.

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GER2201: Intermediate German II 3

Prerequisite: GER 2200. 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.

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JPN1120: Beginning Japanese I 4

This course introduces students to the basics of Japanese grammar, writing, culture and conversation.

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JPN1121: Beginning Japanese II 4

Prerequisite: JPN 1120 or permission of instructor. This course introduces students to the basics of Japanese grammar, writing, culture and conversation begun in JPN 1120.

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LAS3020: (FC) Peoples and Cultures of the Caribbean 3

This course examines the history, peoples and cultures of this region. Language of



instruction is English.

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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.

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LAS3280: Issues in Modern Brazilian Culture 3

This course examines issues in modern Brazilian culture, such as incarceration, land reform, violence, or race. Focus lies on how Brazilians themselves have attempted to approach these issues through different cultural representations. Texts come from different media, such as literature, film, music, or photography. Language of instruction is English.

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LAS3310: Peoples and Cultures of Mexico 3

This course examines the history, peoples, and cultures of Mexico. The language of instruction is English.

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LAS3930: (FC) Cultures of Latin America 3

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 World Languages for individual course descriptions. Language of instruction is English.

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LAT1120: Beginning Latin I 4

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.

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LAT1121: Beginning Latin II 4

Prerequisites: LAT 1120 Beginning Latin I or equivalent 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.

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POR1120: Beginning Portuguese I 4

This course provides an elementary-level study of the language, with an emphasis on

speaking, understanding, writing, and reading Portuguese. Students also learn about the cultures of Portuguese-speaking countries. Native speakers of Portuguese may take this course only with the permission of the Language Coordinator.

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POR1121: Beginning Portuguese II 4

Prerequisites: POR 1120 Beginning Portuguese I or equivalent This course is the continuation of the elementary-level study of the language, stressing speaking, understanding, writing, and reading Portuguese. Students learn about the cultures of Portuguese-speaking countries. Native speakers of Portuguese may take this course only with the permission of the Language Coordinator.

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POR2200: Intermediate Portuguese I 3

Prerequisites: POR 1120 Beginning Portuguese I, POR 1121 Beginning Portuguese II or equivalent Intermediate Portuguese I builds upon the foundation of first-year Portuguese, with an emphasis on perfecting speaking, writing, and comprehension skills. In second-year Portuguese, students master additional verb tenses and advanced grammatical structures. Native speakers of Portuguese may take this course only with the permission of the Language Coordinator.

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POR2201: Intermediate Portuguese II 3

Prerequisites: POR 2200 Intermediate Portuguese I or equivalent This course is a continuation of intermediate-level Portuguese, with further emphasis on perfecting speaking, writing, and comprehension skills. At this level, students are required to master most verb tenses and additional advanced grammatical structures. Native speakers of Portuguese may take this course only with the permission of the Language Coordinator.

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RUS1120: Beginning Russian I 4

This course provides an elementary-level study of the Russian language, with an emphasis on acquiring a basic proficiency in speaking, understanding, writing and reading Russian. Native speakers of Russian may take this course only with the permission of the Language Coordinator.

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RUS1121: Beginning Russian II 4

Prerequisites: RUS 1120 Beginning Russian I or equivalent This course is a continuation of the first-year sequence in Russian, with an emphasis on improving the student's proficiency in speaking, understanding, writing, and reading. In this course, students will also study the cultures of Russia. Native speakers of Russian may take this course only with the permission of the Language Coordinator.

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RUS2200: Intermediate Russian I 3

Prerequisites: RUS 1120 Beginning Russian I, RUS 1121 Beginning Russian II or equivalent Building upon the proficiency mastered in first-year Russian, this course

develops speaking, writing, understanding, and reading skills in Russian at the intermediate level. In this course, students demonstrate proficiency in all major verb tenses and in the use of advanced grammatical structures. Native speakers of Russian may take this course only with the permission of the Language Coordinator.

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RUS2201: Intermediate Russian II 3

Prerequisites: RUS 2200 Intermediate Russian I or equivalent This course is the continuation of second-year Russian, with an emphasis on perfecting speaking, writing, understanding, and reading skills in the language at the intermediate level. Students demonstrate proficiency in all major verb tenses and in the use of advanced grammatical structures; in addition, students will read excerpts of Russian literature. Native speakers of Russian may take this course only with the permission of the Language Coordinator.

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SPN1120: Beginning Spanish I 4

Emphasizing development of practical skills rather than grammatical knowledge, this course will give the student the opportunity to develop the foundations of an ability to read, write, and speak modern Spanish. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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SPN1121: Beginning Spanish II 4

Prerequisite: SPN 1120 or as determined by placement test results. Emphasizing the development of practical skills rather than grammatical knowledge, this course prepares the student to read, write and speak modern Spanish and prepares the student for more advanced study. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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SPN1134: Accelerated Beginning Spanish 6

Prerequisite: Two years of high school Spanish; or one year college Spanish; or as determined by placement test results. 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 that covered in SPN 1120-1121. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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SPN2030: Medical Spanish 3

Development of vocabulary and conversational skills related to health care delivery.

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SPN2200: Intermediate Spanish I 3

Prerequisites: SPN 1121 and SPN 1134 or as determined by placement test results. 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 speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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### SPN2201: Intermediate Spanish II 3

Prerequisites: SPN 2200 or as determined by placement test results. As 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 speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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### SPN3013: Spanish for Professions 3

Prerequisite: SPN 2201 or as determined by placement test results. This course provides students with the vocabulary and communicative skills related to different professions, such as business, medicine, or law.

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### SPN3242: Spanish Conversation 3

Prerequisites: SPN 2201 or as determined by placement test results. This course develops conversational skills in Spanish at the intermediate level. It includes conversation on directed topics. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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### SPN3300: Composition in Spanish 3

Prerequisites: SPN 2201 or as determined by placement test results. 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.

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### SPN3350: Spanish for Speakers of Spanish 3

Prerequisite: SPN 2201 Intermediate Spanish II or with the permission of the instructor. This course is for students accustomed to hearing Spanish at home but who have never studied Spanish formally. The course places strong emphasis on grammar, as well as reading, writing, and vocabulary building.

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### 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.

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### SPN3501: Hispanic Culture 3

Prerequisites: SPN 3242 AND SPN 3300 OR SPN 3350 OR Departmental Permission. 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. This course may be repeated once for credit with a change in subject matter.

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SPN4400: Advanced Spanish Grammar and Discussion 3

Prerequisites: SPN 3300 or SPN 3350 This course combines the study of Spanish grammar through the analysis of selected readings and activities with a strong emphasis on oral expression at an advanced level, particularly formal speech. The successful student will develop advanced oral skills useful to maintain an effective debate. Student will investigate the subtleties of Spanish grammar at an advanced level.

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SPN4410: Advanced Spanish Conversation 3

Prerequisites: SPN 3242 and SPN 3300 or departmental permission. This course promotes the development of advanced skills in conversation and comprehension with emphasis on normative aspects of spoken Spanish; it will include conversation on directed topics. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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SPN4541: Advanced Studies in Hispanic Culture 3

Prerequisites: SPW 3030, SPN 3501 or permission from course instructor or department chair. 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 include, but are not limited to, the autonomous regions of Spain, contemporary Latin America and U.S. Latinos, the Southern Cone, revolution in 20th century Spanish America, colonial Spanish America, music, film and literature in Latin America, Spain during the Golden Age, and Latin American borderlands. This course may be repeated for up to 9 credits with different topics.

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SPN4905: Directed Independent Study in Spanish v. 3-6

Prerequisite: Student must have successfully completed a minimum of two, 3000-level courses in Spanish prior to requesting an independent study. This course provides a directed, individual study for a specific topic in a Spanish literary or linguistic area. Departmental approval is required. The course may be repeated for a maximum of 6 credits. This course is not open to Minors in Spanish.

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SPN4930: Seminar 3

Prerequisite: 15 hours in the major; permission of Foreign Language Coordinator. Variable topics and current issues related to the language and culture of Spanish speaking peoples. May be repeated up to 12 credits under different topics.

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SPN4940: Internship for Service/Employment in Spanish 3

Prerequisites: SPN 3242, SPN 3300, SPW 3030, two additional 3000/4000 level SPN/SPW courses. Minimum GPA: 2.5 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; 90 hours for monitored volunteer work demanding the application of teaching and translating skills). Internships may not be repeated for Spanish credit.

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SPW3030: Hispanic Readings 3

Prerequisite: SPN 3242 and SPN 3300 or departmental permission. This course consists of readings and analysis of brief literary selections to acquaint students with the basic skills and terminology involved in literary criticism. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator.

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SPW3100: Survey of Spanish Literature 3

Prerequisite: SPW 3030 This course examines the development of Spanish literature from Middle Ages to the 18th 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.

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SPW3101: Spanish Literature from the 19th to the 21st Century 3

Prerequisite: SPW 3030 This course examines the development of Spanish literature from the 19th to the 21st 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.

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SPW3130: Survey of Latin American Literature 3

Prerequisite: SPW 3030 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.

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SPW3131: Spanish American Literature from Modernismo to the Present 3

Prerequisite: SPW 3030 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.

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### SPW4193: Periods of Latin American Literature 3

Prerequisite: SPW 3030 This course examines specific periods in Latin American literature from colonial times to present. The course may be repeated once for credit with a change in subject matter.

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### SPW4223: Hispanic Genres 3

Prerequisites: SPN 3300 or SPN 3350 and SPW 3030 This course examines one or more literary genres, such as poetry, essay, short stories, theater, and the novel, in the literatures of Spain and/or Latin America. This course may be repeated for a total of 6 credits with a change in subject matter.

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### SPW4394: Ibero-American Film 3

Prerequisites: SPN 3300 or SPN 3350 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. This course may be repeated once for a total of 6 credits with a change in subject matter.

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### SPW4400: Periods of Spanish Literature 3

Prerequisite: SPW 3030. This course examines a specific period in Spanish literature from the Middle Ages to the present. This course may be repeated once for credit with a change in subject matter.

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## Select a course:

### BCN1013: Construction & Culture: A Built Environment 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.

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### BCN1210C: Construction Materials 3

**Prerequisite:** Declared Building Construction majors only 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### BCN3223: Soils and Foundations 3

Prerequisite: BCN 1210C 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.

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### 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.

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### BCN3611C: Construction Cost Estimating 3

Prerequisites: BCN 1251 Principles and practices in making quantity surveys and labor estimates for construction projects. (Basic Estimating and Residential)

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### 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.

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### 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.

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### BCN4431: Structural Systems 3

Prerequisite: BCN 2405. 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.

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### BCN4587C: Green Construction and Sustainability I 3

Prerequisites: All lower level program prerequisites This is the first in a two-course elective track for students specializing in green construction and sustainability. This course addresses the environmental impact of land development and construction. Topics include specific regulations affecting developers and construction managers, the environmental review of developments and methods to prevent or minimize the negative environmental impacts of construction and land development.

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### BCN4591C: Mechanical and Electrical Systems 3

Prerequisite: All lower level program prerequisites 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).

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### BCN4594C: Green Construction and Sustainability II 3

Prerequisites: All lower level program prerequisites This is the second course in a two-course elective track for students specializing in green construction and sustainability. This course addresses the environmental impact of land development and construction topics include specific regulation affecting developers and construction managers, the environmental review of developments and methods to prevent or minimize the negative environmental impact of construction and land development.

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### 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.

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### BCN4708: Construction Documents and Contracts 3

Prerequisites: BUL 3130 and BCN 4709. A study of the legal and protective documentation used in the construction field. These documents include contracts, specifications, insurance and bonds.

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### 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.

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### BCN4720: Construction Project Planning and Scheduling 3

Prerequisites: BCN 3611C and 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.

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### BCN4730: Construction Safety 3

Prerequisites: All lower level program prerequisites Construction safety issues, concerns, requirements and procedures. The analysis includes cost, planning, administration, inspection, prevention, loss control and the drug-free work place.

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### BCN4751C: Housing and Land Development I 3

Prerequisites: BCN 3223, BCN 3611C This is the first course in a two-course elective track 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.

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### 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.

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### BCN4758C: Housing and Land Development II 3

Prerequisites: BCN 4720 This is the second course in a two-course elective track for students preparing for careers in housing and land development. An analysis of land development via the multifaceted full delivery construction processing regarding the build environment will be covered. Emphasis is placed on project feasibility relative to site selection, site acquisition and permitting, value engineering and the construction loans process and funding requirements.

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### BCN4801C: Industrial Construction I 3

Prerequisites: BCN 3611C, BCN 3223 This is the first in a two-course, elective track for students preparing for careers in industrial construction. All aspects of industrial construction practice are examined including: project management, strategic bidding and estimating, ethical conduct, project delivery methods, value engineering, design/build, customer relations and communication.

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BCN4802C: Industrial Construction II 3

Prerequisites: BCN 4720 This is the second course in a two-course elective track for students preparing for careers in industrial construction. It is the second course in the industrial concentration. All aspects of industrial construction practice are examined including project management, strategic bidding and estimating, ethical conduct, project delivery methods, value engineering, design/build customer relations, and communications.

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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.

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BCN4871C: Commercial Construction I 3

Prerequisite: BCN 3223, BCN 3611C This is the first in a two-course elective track for students preparing for careers in commercial construction. Students learn a broad perspective of the technical knowledge and skill or methods related to commercial construction projects including project management, strategic bidding and estimating, ethical conduct, project deliver methods, value engineering, design/build, customer relations and communications.

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BCN4872C: Heavy Civil Construction II 3

Prerequisites: BCN 4720 This is the second course in a two-course elective track for students preparing for careers in heavy civil construction. Students will apply their knowledge and skills in the management of heavy civil construction, including strategic bidding and estimating, ethical conduct, project delivery methods, value engineering, design/build, customer relations and communications.

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BCN4873C: Commercial Construction II 3

Prerequisites: BCN 4720 This is the second course in a two-course elective track for students preparing for careers in commercial construction. Key aspects of commercial construction practice are examined including project management, strategic bidding and estimating ethical conduct, project deliver methods, value engineering, design/build, customer relations and communications.

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BCN4900: Directed Individual Study v. 1-3

This course provides BCM students the opportunity to study advanced construction topics, experience an international trip to study other culture's buildings and construction methods or participate in a BCM applied research program.

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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.

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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.

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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.

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## Select a course:

### 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.

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### EEE4309C: Electronic Circuits II 4

Prerequisites: EEL 3303L, EEL 3304, and EEL 3112 This course covers advanced electronic design techniques. Topics include frequency response of amplifiers analysis and design of power amplifiers, oscillator design and analysis, power supply design, analysis and applications of linear and digital integrated circuits. Laboratory is included.

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### EEE4310: Digital Integrated Circuits 3

Prerequisite: EEE 4309C. This course covers the analysis and design of digital circuits that are fabricated using MOS and bipolar devices.

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### EEE4314L: Advanced Electronics 2

Prerequisites: EEE 4309C 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.

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### EEE4396: Solid State Electronic Devices 3

Prerequisite: EEL 3304. Introduction to the principles of semiconductor electron device

operation.

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### EEL3003: Introduction to Electrical Engineering 3

Prerequisites: PHY 2049, PHY 2049L, MAP 2302. This course will introduce the concepts of electronics and applications to non-electrical engineering majors. Topics to be included are electrical circuit theory, semiconductor devices and circuits, digital electronics, analog electronics, instrumentation systems, and communication systems.

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### 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.

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### 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.

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### EEL3117L: Electrical Circuits Laboratory 1

Corequisites: EEL 3112, EEL 3304. Laboratory experiments emphasizing electrical instrumentation, circuit-theory verification plus network analysis and design.

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### EEL3135: Signals and Systems 3

Prerequisite: EEL 3112. Role of Fourier, Laplace and Z-transforms in system theory. Convolution integral applications.

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### EEL3211: Introduction to Electric Machines 3

Corequisite: EEL 3112. Generation, transformation, and transmission of electric energy in bulk quantities. AC and DC motors.

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### EEL3216: Introduction to Power Systems 3

Prerequisites EEL3211; competency in a computer language This course is a study of electrical power transmission and distribution systems, power, symmetrical components, symmetrical and asymmetrical faults and dynamic power system stability with an emphasis on computer-aided fault and transient stability analysis.

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### EEL3472: Electromagnetic Fields and Applications 3

Prerequisite: EEL 3111, MAP 2302 or permission of the instructor. Electric and magnetic fields and forces, Maxwell's equations in point and integral form, plane wave propagation, energy and power.

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### EEL3701C: Introduction to Digital Systems 4

Prerequisites: A programming language. 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.

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### EEL3889C: Introduction to Embedded Systems Design 3

Prerequisite: COP 2220. This course covers fundamental software and hardware aspects of embedded systems applications and object-oriented software design and development. Weekly programming assignments will focus on solving engineering problems utilizing embedded controllers and microprocessors. Topics will include but not be limited to: programming concepts, graphical user interfaces, data structures, real-time systems and distributed process control. Emphasis is on applying embedded controllers to solve advanced engineering problems. This course has a laboratory component.

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### EEL4201L: Electrical Energy Conversion Lab 1

Corequisites: EEL3211 This course is an applied study of electromechanical energy conversion principles, characteristics, and applications of transformers, synchronous and induction machines, DC machines, and special machines in a laboratory environment utilizing common instrumentation.

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### EEL4230: Electronic Drives and Motor Control 3

Prerequisites: EEL 3211 Corequisites: EEL 4657C or permission of instructor This course covers voltage-fed inverters, control of inverters, DC machine drives, stepper-motor drives, brushless DC machine principles, PWM principles including harmonic analysis and an introduction to vector control of AC drives.

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### EEL4242C: Power Electronic Circuits 4

Prerequisites: EEL 3211, EEL 3304 This course is the study of principles and characteristics of power semiconductor devices, single-phase and poly-phase phase-controlled converters, converter control, AC voltage controllers, inverter topologies, switch mode and resonant DC-To-DC converters. The course will culminate in the magnetic and electronic design, building and testing of a switch-mode power supply.

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EEL4440: Optical Fiber Communications 3

Prerequisites: EEL 3472 Electromagnetic fields and applications of permission of instructor This course focuses on fiber optic waveguides. Topics covered in the course include optical sources, detectors, receivers, transmission systems and fiber-based broadband communication networks.

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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.

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EEL4514L: Analog and Digital Communications Laboratory 1

Prerequisite: EEL 3135; Corequisite: EEL 4514. THIS COURSE IS THE LABORATORY COMPONENT FOR EEL4514 AND CONSISTS OF THE LABORATORY INVESTIGATION OF COMMUNICATION SYSTEMS.

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EEL4515: Advanced Digital Communication 3

Prerequisite: EEL 4514 This course covers common digital modulation and demodulation methods, synchronization and diversity reception. Application of communication theories to radio and cellular phone are also covered.

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EEL4515L: Advanced Digital Communications Lab 1

Prerequisites: EEL 4514 Corequisites: EEL 4515 This course is the laboratory component for EEL 4515 and consists of laboratory investigation of communication system. A lab fee of \$30 will be assessed.

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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 Reccati equations.

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EEL4657C: Linear Control Systems 4

Prerequisites: EEL 3135, EEL 4744C This course covers the design and analysis of control systems using transfer function-based methods. Topics include modeling of physical systems as transfers 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.

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### EEL4712C: Digital Design 4

Prerequisites: EEL3701C, EEL3304 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.

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### 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.

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### EEL4713L: Digital Computer Architecture Lab 1

Prerequisite: EEL 3701C. Corequisite: EEL 4713. 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.( A lab fee of \$30 will be assessed)

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### EEL4744C: Microcontroller Applications 4

Prerequisite: EEL 3701C 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.

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### 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.

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EEL4750L: Digital Signal Processing Laboratory 1

Prerequisite: EEL 3135. Corequisite: EEL 4750. 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.

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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.

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EEL4905: Individual Study v. 1-3

Prerequisite: Approval of supervising professor and chair. May be repeated up to 12 credits.

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EEL4914: Senior Design I 1

Prerequisites: Senior standing and instructor's approval 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.

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EEL4915: Electrical Engineering Design II 3

Prerequisite: EEL 4914. 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.

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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.

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EEL4931: Special Topics in Electrical Engineering v. 1-4

Prerequisite: Permission from instructor or department. Special courses covering selected topics in electrical engineering.

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EEL4949: Co-op Work Experience v. 0-1

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.

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### EGM3420: Engineering Mechanics

4

Prerequisites: PHY 2048, MAC 2313. Reduction of force systems. Equilibrium of particles and rigid bodies. Principles of work, energy, impulse and momentum. Application to structures and mechanisms.

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### 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.

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## Select a course:

### 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.

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### 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.

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### CES3100: Analysis of Structures 4

Prerequisite: CES 3104C. This course will investigate types of loads on structures, truss analysis, shear and bending moment diagrams, influence lines and design envelopes. Deformation of beams, frames and trusses are covered. Analysis of indeterminate structures is introduced using consistent deformation, slope deflection and moment distribution methods. Computers and matrix methods are introduced.

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### 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.

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### CES3605C: Design of Steel Structures 3

Prerequisite: CES 3100. 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. Hands-on laboratory exercises are also included to investigate steel structural components.

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### CES4101: Advanced Structural Systems 3

Prerequisites: CES 4702 and CES 3605. This course presents advanced topics in structural analysis and design, such as computer analysis and design of building frames for gravity, seismic and wind loadings; bridge loading and design; connections in steel framing; design of steel plate girders; torsion in steel and concrete beams; composite beams; yield line theory; and strut and tie models for failure analysis.

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### 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.

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### CGN3322C: Civil Engineering Surveying 3

Prerequisite: MAC2312. 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.

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### CGN3501C: Civil Engineering Materials 4

Prerequisite: CHM 2045C, CES3104C, STA3032. This course offers an introduction to the economic, mechanical, non-mechanical, production/construction, and aesthetic considerations of Civil Engineering materials. Students will also conduct standard tests to obtain material properties required for Civil Engineering design and quality assurance/quality control purposes. The materials addressed within the scope of this

course include: metals, aggregates, Portland cement and Portland cement concrete, asphalt cement and asphalt concrete, masonry, wood, composites and plastics.

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### 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.

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### CGN4803: Senior Capstone Design I 1

Prerequisites/Corequisites: Senior standing and consent of the instructor; CES 3605; TTE 4004; CWR 4202. 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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.

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### EGN3038: Leadership for Engineers 1

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.

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### 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.

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### 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.

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### 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.

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### EGN4032: Engineering and Professional Issues 2



Prerequisite: Acceptance in an engineering program in the Division of Engineering at UNF. 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.

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#### ENV3001C: Environmental Engineering 4

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. Laboratory component provides overview of the experimental methods and processes used in environmental engineering.

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#### 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.

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#### 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.

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#### 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### EGN1001: Introduction to Engineering I 2

Prerequisite: MAC 1147 or equivalent 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.

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### EGN2009: Introduction to Engineering II 2

Prerequisite: EGN 1001 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.

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### 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.

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### 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.

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### EGN3331: Strength of Materials 3

Prerequisite: EGN 3311. Corequisite: EGN 3331L. 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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### 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.

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### 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.

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### EML3101: Thermodynamics II 3

Prerequisite: EML 3100. This course is a continuation of EML 3100, Thermodynamics I. In this course, students will develop the concepts of energy generation and the transformation of energy from one state to another. The production of useful energy and the possible flow of energy will be explored.

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### EML3520C: Material Science I 4

PREREQUISITE: CHM 2045C 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 or materials and phase transformation in metals.

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### EML3535C: Modern Engineering CAD 3

Prerequisites: Acceptance into an engineering program or permission of the instructor. This course covers foundation features of AutoCAD including entity manipulation and solid modeling. Industrial computer aided design systems used by professionals in industry will be introduced. Concepts will be covered through assignment of hands-on projects.

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### 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.

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### 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.

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### EML4016: Fluids II 3

Prerequisite: EML 3015. This course is the continuation of the material presented in EML 3015 Fluids I. The course takes the next step to describing fluid flows that include near real-world effects.

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### 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.

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### EML4048: Simulation of Production Systems 3

PREREQ: EML 4312. This course covers the application of advanced simulation techniques for discrete-time simulation of production systems. Simulation concepts are introduced and methods for data collection and model building are covered. Simulation model output analysis, model verification, and production systems optimization is covered by means of simulation techniques. Current case studies from local industry are featured for simulation projects.

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### 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.

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### 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.

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### 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.

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### 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.

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### EML4312: Modeling and Analysis of Dynamic Systems 3

Prerequisites: EGN 3203; EGN 3321. 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.

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### 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.

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### EML4320C: Integrated Design and Manufacturing 4

Prerequisites: EGN 3321 and EGN 3331. 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.

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### 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.

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### EML4500: Finite Element Modeling and Analysis 3

PREREQS: 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.

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### 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.

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### 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.

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### EML4551: Senior Capstone Design I 1

Prerequisites: Senior standing and consent of Department. 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.

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### EML4552: Senior Capstone Design II 3

Prerequisite: EML 4551. 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.

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### EML4554: Project Engineering II 3

Prerequisite: EML 3553. This course is the second of a two-course sequence in project engineering. The second course further develops project engineering methodologies including organizational structure, work breakdown structure, resource allocation and management, project costs, risk analysis, scheduling, life-cycle cost modeling and

project control.

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### 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.

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### 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.

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### EML4804: Mechatronics 3

Prerequisites: EML 4312 and EEL 3003. 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.

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### 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.

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### EML4905: Directed Individual Study v. 1-3

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.

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### EML4930: Special Topics in Mechanical Engineering v. 1-3

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.

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## EML4949: Co-op Work Experience

v. 0-1

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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### CAP4020: Multimedia Systems 3

Prerequisites: Knowledge of object oriented programming principles and experience with languages such as C, C++, Java, and Visual Basic. This course includes the design and development of multimedia applications using multimedia methods and tools such as presentation managers, drawing software, web page development including HTML, authoring software, and supporting environments. The course requires students to develop their own applications as well as integrating different tools.

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### CAP4630: Introduction to Artificial Intelligence 3

Prerequisite: COP 3530 or COP 3540. Heuristic techniques for problem solving and decision making, control and search strategies, knowledge representation, logic, AI languages and tools. Applications such as expert systems, natural language understanding, planning, and computer vision.

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### CAP4660C: Introduction to AI Robotics 4

Prerequisites: COP 3530, COP 3601. This course focuses on models and methods for the design and development of robotic devices whose function is to accomplish prescribed tasks with minimal human intervention. Basic robotics elements are addressed: simple mechanics (moving, turning, lifting), sensing the environment (light, contact, proximity), monitoring internal state (time, position, orientation). Autonomous and semi-autonomous robots are designed, constructed, and programmed by combining basic reactive behaviors to support higher levels of cognition. Laboratory exercises are incorporated throughout the course, with a term objective of implementing a working robot to address a performance/survival specification. (A laboratory fee of \$25 will be assessed)

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### CAP4710: Computer Graphics 3

Prerequisites: MAS 3105, COP 3530. This course covers point-plotting techniques, line

drawings, two and three-dimensional transformations, clipping and windowing, data and file structures, interactive techniques, raster systems, perspective, hidden surface removal, shading.

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### CAP4730: Graphics Systems and Applications 3

Prerequisite: COP 3540. Survey of graphics hardware and software with emphasis on applications and user interfacing. Utilization of business graphics packages and graphics utilities. Design and implementation of user-computer dialogue and graphics interface. Exploration of other topics such as image processing, animation and multimedia systems. The student will be required to complete several programming exercises including user-interfacing and 2D (or 3D) graphics projects in a language appropriate for graphics.

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### 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.

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### 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.

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### CDA3101: Introduction to Computer Hardware Organization 4

Prerequisites: COP 2551 or COP 2220 and COT 3100. 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, microprocessors and logic design. (A laboratory fee of \$5 will be assessed)

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### CDA4010: Human Factors and Collaborative Computing 3

Prerequisites: COP 3540 or COP 3855 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.

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CDA4102: Introduction to Computer Architecture 3

Prerequisite: CDA 3101. Corequisite: CDA 4102L. Computer taxonomy, description languages, conventional computer architecture, microprogramming, instruction sets, I/O techniques, memory, survey of non-conventional architecture. Software interface.

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CDA4102L: Introduction to Computer Architecture Laboratory 1

Prerequisite: CDA 3101. Corequisite: CDA 4102. Laboratory exercises to accompany CDA 4102 emphasizing computer architecture, microprocessing, instruction sets, I/O techniques and memory using software interfaces. 3 hours of laboratory. (A material fee of \$30 will be assessed)

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CEN4535C: Development of Mobile Software Applications 4

Prerequisites: CGS 4307, COP 3540 This course covers various approaches to the development of mobile software applications using current development environments and frameworks. Examples of these approaches include thin clients, and smart clients, which interact with servers implemented as enterprise systems or web services. Development environments and platforms include open-source (for instance the JAVA 2 micro edition- J2ME) and non-open source (for instance, the .NET compact Framework-CF). This course has a laboratory component that is implemented in the classroom through a network of portable computers wirelessly connected to a server. Laboratories consist of programming assignments that are demonstrated by means of both simulators of wireless devices and deployment to actual devices.

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CEN4943: Software Development Practicum 3

Prerequisite: CIS 4251. In this course students apply software development concepts studied in previous courses to cooperatively develop a sufficiently complex software system associated with a realistic application problem. Modern technologies supported by state of the art tools and environments are used.

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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.

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CGS1570: Microcomputer Application Software 3

Introduction to the fundamentals of personal computing and commonly used software applications for a pc. Includes practical exercises using popular application software packages.

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CGS2525: Multimedia Applications 3

Prerequisites: CGS 1100 or a programming language or permission of instructor. Familiarity with Windows or Macintosh environment helpful. Principles, methods, and tools for the design and development of multimedia applications (incorporation of sound, animation, still images, hypertext and video in computing technology); authoring languages; multimedia technology hardware and trends.

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CGS3559: Introduction to the Internet 3

Prerequisite: CGS 1100 or CGS 1570 or permission. Introduction to and use of browsers including helpers and plug-ins; html programming, including forms, image maps, and CGI scripts; production of graphics for the WEB; design of home pages.

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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.

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CGS4308: Information Processing: Requirements Identification & Specification 3

Prerequisite: CGS 4307 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.

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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.

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CIS2935: G(W) 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.

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### 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.

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### CIS3949: Experiential Studies in Computer Science v. 0-3

Prerequisite: Acceptance in cooperative education program and at least 6 credits from core courses completed. Students will participate in supervised work experiences related to computer science. Students may repeat this course for credit, up to a total of six (6) semester hours.

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### CIS4100: System Performance and Evaluation 3

Prerequisite: COP 3540 Tools and techniques used in the evaluation of the performance of computing systems, empirical modeling methods, simulation models, deterministic and stochastic methods.

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### CIS4103: Web Performance 3

Prerequisites: CNT 4704 Network Design & Planning and STA 2023 Elementary Statistics In this course students will examine the fundamental ideas, techniques, and tools used to assess web server performance. Students will compare various models, metrics, benchmarks, and performance tests. Through projects and reproducible experiments, students will evaluate web servers and develop solutions to optimize them.

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### CIS4251: Software Development: Professional and Societal Issues 3

Prerequisites: COP 4710. History of software development; the software process; software development models (structured and object oriented); requirements, specification, planning, design, implementation, integration, and maintenance; social and ethical implications of computing; major team project.

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### CIS4253: Legal and Ethical Issues in Computing 3

Prerequisites: COP 3530 or COP 3540 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.

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### 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.

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### 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.

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### CIS4360: General Computer Security Administration 3

Prerequisites: COP 3530 Data Structure of COP 3540 Data Structure WOOP 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.

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### CIS4362: Computer Cryptography 3

Prerequisites: COP 3530 or COP 3540, and COT 3100. 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.

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### 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.

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### 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.

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### 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.

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### CIS4510: Expert Systems and Decision Support 3

Prerequisite: COP 3540. 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. Practical application emphasizing evaluation of available systems and hands-on experience.

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### CIS4593: M-Computing Capstone Project 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, a mobile software system associated with an application proposed by the ?Mobile Computing Advisory Board? (MCAB), who will be playing the role of the ?Customer?. The MCAB is comprised of software development professionals from the Jacksonville area who will also design rubrics to evaluate the proposed applications. This first course covers activities that range from the elicitation of requirements, to the network and software system design, by using concepts and tools studied in previous courses of the M-Computing concentration. Periodic demonstrations of the systems evolution (before the customers) are required.

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### CIS4594: M-Computing Capstone Project II 3

Prerequisites: CIS 4593. M-Computing Capstone Project I This is the second of a sequence of two courses where students will have the opportunity to analyze, implement, and deploy, a mobile software system associated with an application proposed by the Mobile Computing Advisory Board (MCAB), who will be playing the role of the Customer. The MCAB is comprised of software development professionals from the Jacksonville area who will also design rubrics to evaluate the proposed applications. This second course covers activities that range from the implementation of mobile software system that captures the functional requirements and quality attributes associated with proposed application (whose design is the output of the previous capstone course), to the deployment of the system onto physical networks, mobile devices and enterprise systems. Periodic demonstration of the system evolution (before the customer) are required.

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### CIS4615: Secure Software Development 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.

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### CIS4850C: Introduction to Spatial Information Systems 4

**Prerequisite:** COP 3540 Data Structures Using OOP 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.

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### 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.

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### 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.

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### 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.

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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.

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CIS4900: Directed Independent Study v. 1-3

For senior level computer and information science students, topic supportive of the student's overall program. May be repeated with permission.

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CIS4910: G(W) Honors Research in Computer and Information Sciences 3

Prerequisite: Admission to the Honors in the Major track in computer and information sciences. Research leading to the Honors project/thesis under the supervision of a faculty member.

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CIS4930: Special Topics in Computer and Information Sciences v. 1-4

For senior level students. Topics are reflective of advances in state-of-the-art computing not adequately addressed in current course offerings. May be repeated up to 12 credits.

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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.

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CNT4504: Computer Networks and Distributed Processing 3

Prerequisites: COP 3530 or COP 3540. 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.

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#### CNT4514C: Wireless Networks and Mobile Computing 4

**Prerequisites:** CGS 4307, COP 3540 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.

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#### 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.

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#### 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.

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#### COP2120: Introduction to COBOL Programming 3

**Prerequisite:** CGS 1570. This course introduces students to the fundamentals of structured programming as well as language structure and capabilities. Students learn about program development, including program definition, pseudocode, flowcharting, coding, testing and debugging. To practice programming skills, students develop COBOL programs to solve "real-world" problems.

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#### 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.

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COP2332: Introduction to Visual Basic Programming 3

Prerequisites: Knowledge of programming in another language and knowledge of the current release of Windows. An introductory course in Windows programming using Visual Basic. Topics include event-driven programming techniques and object-oriented concepts. Includes objects, properties, methods, controls, functions, subroutines, arrays and structures, and database access.

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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.

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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.

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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.

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COP3503: Computer Science II 3

Prerequisites: COP 2220, MAC 2311, COT 3100 (pre or co-requisite). This course serves as a continuation to the Computer Science I course. Students are shown additional fundamental concepts of problem solving using the object-oriented paradigm and data structures. The topics in this course include classes, interfaces, objects, class types, events, exceptions, control structures, polymorphism, inheritance, linked lists, arrays, stacks, queues, and deques. Students are expected to apply these concepts through the construction of numerous small software systems using both integrated development environments and command-line-driven tools that support editing, testing, and debugging.

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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.

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#### COP3540: 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.

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#### COP3543: Enterprise Computing 4

Prerequisite: COP 3540 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.

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#### COP3601: Introduction to Systems Software 4

Prerequisite: COP 3503. Computer structure, machine language, instruction execution, addressing techniques. System and utility programs, programming techniques. Assemblers and macroprocessors.

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#### 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.

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#### COP4300: Discrete Systems Modeling and Simulation 3

Prerequisites: (COP 3530 or COP 3540) and (STA 4321 or STA 2013). 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; continuous simulation.

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#### COP4610: Operating Systems 3

Prerequisites: STA 4321, COP 3601, and COP 3530. Process management, memory management, file management, input/output device management, distributed systems issues.

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### COP4620: Construction of Language Translators 4

Prerequisites: COT 3210, COP 3601, COP 3530. Grammars, languages, parsing, precedence, runtime storage organization, semantic routines, error recovery, optimization, intermediate code representations, scope, symbol tables, compiler-compilers.

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### COP4640: Operating Systems Environments and Administration 3

Prerequisites: COP 3540 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.

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### COP4710: Data Modeling 3

Prerequisites: COT 3210 and COP 3530. 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.

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### COP4720: Database Systems 3

Prerequisite: COP 3855, COP 3540 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.

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### 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.

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### 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.

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### COP4813: Internet Programming 3

Prerequisites:(COP 4720 or COP 4710) OR (CGS 4307 and COP 3540) Pre or Co-requisite: COP 4720 OR COP 4710 (i.e. May be taken concurrently.) 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.

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### COT3100: Computational Structures 3

Prerequisite: MAC 2311 or MAC 2233. Applications of finite mathematics to CIS. Sets, relations, functions, and number theory. Algebraic and combinatorial structures. Applications of graphs. Boolean algebra and switching theory, and logic.

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### COT3210: Computability and Automata 3

Prerequisites: COT 3100 and COP 3503. Applications of automata and language theory to CIS. Finite automata and regular expressions. Formal languages and syntactic analysis. Pushdown automata and Turing machines. Undecidability and computational complexity.

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### COT4111: Computational Structures II 3

Prerequisites: COT 3100 Comp Structures or MAD 3107 Discrete Math 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. Coding theory, Latin squares, graph theory. Application to various problems in mathematics and computing will be covered.

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### COT4400: Analysis of Algorithms 3

Prerequisites:COP 3530. Analysis of various algorithm design strategies, divide-and-conquer, greedy method, backtracking, branch-and-bound, lower bound theory, NP-hard and NP-complete.

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### COT4461: Computational Biology 3

Prerequisites: COP 3530 or COP 3540; STA 4321 or STA 2023 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.

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### COT4560: Applied Graph Theory

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Prerequisites: COT 3100 and either COP 3530 or COP 3540. Students in this course will study classical graph theory, its applications in computing and modeling real-world phenomena, and graph algorithms.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### ARE4313: Art Methods for Elementary Teachers 3

Prerequisites: EDG 3323 and EDF 4327. An examination of elementary school art programs and resources, grades K-6. The course, designed for preservice elementary classroom teachers, focuses on planning, teaching and evaluating sequential learning experiences in the making of art, art criticism, art history and aesthetics at the elementary level.

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### EDE4905: Individual Investigation and Study v. 1-3

Prerequisite: Consent of department chair. May be repeated up to 24 credits.

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### 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.

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### EDG4373: Visual Art and Music Methods for Elementary Teachers 3

Prerequisites: EDF 4327 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.

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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.

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EEC3408: Forming Family, School and Community Partnerships 3

Prerequisites: EDF 1005, EDG 2701, EME 2040. This course focuses on ways to form partnerships with schools, families and communities. Family systems and their impact on the education of children will be discussed and students will identify practices for facilitating family involvement. The course discusses state and federal initiatives for serving children and families.

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EEC3731: Health, Nutrition and Safety for the Young Child 2

Strategies that recognize the relationships that exist between health status, safety, nutrition, social, and environmental factors. The course identifies current concepts in the fields of health, safety and nutrition and their relationship to the young child. It is designed to teach preservice teachers ways to assist young children to develop good habits and attitudes, and to assume lifelong responsibility for their own well-being.

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EEC4203: Primary Education II 3

Strategies for planning the curriculum, utilizing appropriate practices and resources for developing effective programs for primary aged children.

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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.

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EEC4209: Integrated Music, Art, and Movement for Primary Children 6

Prerequisite: EEC 4260. Students will explore the creative arts through an integrated methods course in music, art, and movement for primary children. The role of the teacher includes instructional strategies for integration, assessment and concept development.

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EEC4210: Integrated Math, Science & Social Studies for Primary Children 6

Prerequisite: EEC 4260. The course includes strategies for developing thinking skills and early mathematical and science thinking. Strategies for integrating math, science

and social studies across the curriculum will be included.

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### 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.

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### EEC4260: Developmentally Appropriate Practices for Pre-Kindergarten/Primary Teachers 3

Prerequisites: EDF 1005, EDG 2701, EME 2040. The course focuses on historical theorists, theories, issues and trends that have influenced primary education. The course teaches preservice teachers how to design and implement developmentally appropriate classrooms that promote physical, social, emotional and cognitive development.

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### 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.

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### 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.

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### 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.

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### 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.

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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.

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MUE4210: Music Methods for Elementary Teachers 3

Prerequisite: MUT 1011 or equivalent. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans and materials essential to the sequential development of musical learning of elementary school children.

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RED3310: Reading Methods I for Elementary Teachers 3

Study of the reading process, approaches, skills, and materials used in elementary reading instruction. Course or equivalent before senior internship.

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SCE3310: Science Methods for Elementary Teachers 3

Prerequisite: MAE 3312. Methods and resources for teaching science in the elementary school.

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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 an emphasis on culture and the arts as ways of knowing and learning about social studies.

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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.

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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.

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TSL4340: TESOL Methods and Curriculum 3

Prerequisite: RED 3310, and TSL 3550 or as prescribed by the program of study . 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.

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TSL4360: TESOL Methods and Curriculum for Secondary Teachers 3

Prerequisites: TSL 3550 Principles and Issues in TESOL 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### ARE4316: Art Education in Elementary Schools 3

Prerequisites: EDG 3323 and EDG 4327. 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.

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### ARE4341: Art Education in Secondary Schools: An Inquiry 3

Prerequisites: EDG 3323, EDG 4327 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.

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### ARE4353: Teaching Art with a Discipline-Based Focus in Grades K-12 4

Prerequisites: EDG 3323 and EDG 4327. 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.

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### DAE3310: Dance in the Elementary School 3

Prerequisite: PET 3713. A study of the research-based principles and methods used to teach developmentally appropriate rhythms and dance in the elementary school.

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EDF1005: Introduction to Education 3

A study of the relationship of teachers and schools to the philosophical, historical, legal, and social foundations of American education. Provides students with a basic understanding of classical and contemporary learning issues designed to orient them to careers in teaching and human services. Field experience required.

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EDF2085: Teaching Diverse Populations 3

A course designed to study multicultural education. Emphasis is on such dimensions of diversity as culture, ethnicity, race, language, social class, exceptionality, gender, age, and sexual orientation and their implications for educational policy, curriculum, and methodology. Field experience required. This is a prerequisite course for admission to teacher education programs.

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EDF3151: Nature of the Learner 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.

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EDF4327: Assessment of Learning and Behavior 3

Prerequisites: Admission to teacher education program and EDG 3323. Examination of teacher prepared and standardized measures of student achievement, behavioral construction and other factors influencing learning and teaching.

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EDG2931: Special Topics v. 1-3

Variable title and hours.

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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.

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EDG3949: Experiential Studies in Education 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.

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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.

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EDG4410: Classroom Management and Communication 3

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.

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ESE4905: Individual Study and Research v. 1-3

Prerequisite: Consent of division chairperson. May be repeated up to 36 credits.

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ESE4943: Student Internship v. 1-12

Prerequisite: Completion of requirements prescribed in Internship handbook. 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.

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ETG3949: Experimental Study/Technology v. 0-3

Prerequisite: Acceptance in Cooperative Education Program. Students will participate in supervised work experiences related to their areas of interest. Students may receive repeat credit for this course.

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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.

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LAE4323: Special Methods: Middle Grades English 3

Prerequisites: AML 2012, LIT 2000, LIT 3333, and EDG 3323. Students will be prepared to teach emerging adolescents the oracy and literary skills needed in today's society using an integrated, multicultural research-based, whole language approach.

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LAE4335: Special Methods: Secondary English 3

Prerequisites: ENC 3310, LIN 3010, and ENG 4014. An examination of the instructional methods, materials, and curriculum for teaching secondary level English. Offered fall term only.

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MAE4320: Special Methods: Middle Grades Mathematics 3

Prerequisites: 12 semester hours college-level mathematics. Offered fall term only. Introduction to the instructional methods, materials, and curriculum for teaching middle grades students mathematics.

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MAE4330: Special Methods: Secondary Mathematics 4

Prerequisites: Seven math courses with at least one course in calculus. An examination of the instructional methods, materials, and curriculum for teaching secondary level mathematics. Offered fall term only.

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MUE4311: Music Education in Elementary Schools: The Organization and Teaching of General Music 3

Prerequisites: EDG 3323, EDG 4327 and four content prerequisites. See special methods course prerequisites for secondary majors. Designed to acquaint students with a balanced general music curriculum. Emphasis placed on understanding and planning a developmental sequence of musical experiences to assure the sound musical growth of students in grades K-6. Offered spring term in even numbered years.

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MUE4330: Music Education in Secondary Schools: The Organization and Teaching of General, Choral, and Instr Mus 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.

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PEL1121: Golf 1

Skill technique, club selection and match strategy instruction and performance in golf. (A range fee is necessary for participation).

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PEL1211: Softball 1

Introduction to the basic skills, strategies and rules of softball.



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PEL1321: Volleyball 1

Skill technique and game strategy instruction with performance in volleyball.

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PEL1341: Tennis 1

Skill technique and game strategy instruction with performance in tennis.

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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.

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PEL1511: Soccer 1

Skill technique and game strategy instruction with performance in soccer.

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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.

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PEL2905: Selected Sports Activities: Variable Title v. 1-3

An introduction to the basic skills and strategies utilized in selected individual/dual and team sports. May be repeated up to 16 credits.

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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.

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PEM1131: Weight Training 1

Instruction in health-related fitness prescription and evaluation with performance and personal assessment in weight training involving Nautilus/universal machines.

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PEM1930: Aerobic Dance 1

Instruction and practice for basic skills and health related fitness development concerning aerobic dance.

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PEN1121: Beginning Swimming 1

Basic swimming stroke and water safety instruction and performance.

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PEN1231: Basic Sailing 1

The course provides for instruction and practice to learn/improve basic skills in sailing small craft.

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PEN2114: Lifeguard Training 2

Instruction and performance in the skills and knowledge necessary for lifeguarding competency. Students who successfully complete the course are eligible for American Red Cross Lifeguard Training Certification.

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PEN2122: Intermediate Swimming 2

Instruction and performance in improving techniques in a variety of swimming strokes and water emergency prevention and response. Students will work toward the American Red Cross Certification in Emergency Water Safety.

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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.

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PEO2011: Teaching Team Sports 3

Prerequisite: PET 3713. A study of research-based principles and methods used to teach team sport skills and activities in middle and high school physical education.

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PEO2031: Teaching Individual and Dual Sports 3

Prerequisite: PET 3713. A study of research-based principles and methods used to teach individual and dual sports skills and activities in middle and high school physical education.

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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.

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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.

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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.

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PEO4004: Theory and Practice in Coaching 3

A study of research based principles and methods used to coach individual and team sports.

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PEO4041: Games in the Elementary School 3

Prerequisite: PET 3713. A study of the research-based principles and methods used to teach developmentally appropriate games in the elementary school.

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PEP3205: Gymnastics and Body Management in the Elementary School 3

Prerequisite: PET 3713. A study of the research-based principles and methods used to teach developmentally appropriate gymnastics and body management in the elementary school.

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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.

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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.

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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.

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PET3351C: Physiology of Exercise 3

Prerequisite: BSC 2085C. 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.

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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.

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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.

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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.

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PET3713: Special Methods and Curriculum for K-8 and 6-12 Physical Education 3

A study of the methods and procedures used to develop curricula and provide instruction in elementary, middle, and high school physical education programs.

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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.

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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.

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PET4640: Adapted Physical Education 2

A study of the principles and techniques used to meet the unique motor and health related fitness needs of individuals with special limitations.

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PET4910: Directed Individual Study v. 1-3

The student will select a physical education project and conduct research and field experiences under the guidance of a faculty advisor. May be repeated up to 16 credits.

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RED3333: Reading Methods for Secondary Teachers 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.

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SCE4320: Special Methods: Middle Grades Science 3

Prerequisites: EDG 3323 and EDF 3151 or equivalent. Introduction to the instructional methods, materials, and curriculum for teaching middle grades science.

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SCE4330: Special Methods: Secondary Science 3

Prerequisites: Three related courses in biological science or three related courses in physical science, plus one advanced science course to include laboratory. 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.

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SSE4324: Special Methods: Middle Grades Social Science 3

Prerequisite: EDF 3945. Corequisite: EDF 3946. The purpose of this course is to help preservice and inservice social science teachers to articulate and apply a philosophy of middle level education that will enable them to plan and implement effective and appropriate educational experiences for emerging adolescents.

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SSE4384: Special Methods: Social Studies 4

Prerequisites: Specific content prerequisites which vary by major. 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 CATALOG 2009-2010

## Select a course:

### EDE4943: Practicum II: Student Internship 12

Prerequisite: Pre-Kindergarten/Primary students only, 60 volunteer service hours. 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.

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### EDF3945: Field Laboratory I v. 2-4

Prerequisite or Corequisite: EDG 3323. Supervised, structured field experiences in selected schools designed to assist in the acquisition of the accomplished practices required by Florida State Board of Education Rules. Weekly seminars are held to augment and reinforce the field experiences.

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### EDF3946: Field Laboratory II v. 2-4

Prerequisites: EDF 3945, EDG 3323. Corequisites: Special Methods Courses. Continuation of supervised, structured field experiences in selected schools designed to assist in the acquisition of the accomplished practices required by Florida State Board of Education Rules. Weekly seminars are held to augment and reinforce the field experiences.

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### 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.

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## PET4945L: Student Teaching

12

Completion of all Core I and Core II requirements. Designed as a culminating experience which allows the student the opportunity to teach under the supervision of a master teacher.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### EDA3052: Introduction to Leadership 3

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.

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### EDA4214: Resource Development for Non-Profit Organizations 3

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 and 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.

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### EIA4360: Special Methods in Technology Education 3

Instruction in teaching methods, devices, and techniques specific to the instructional area. 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.

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### EME2040: Introduction to Educational Technologies 3

An introduction to the classroom applications of educational technologies. The course includes a survey of educational hardware and software. Topics include multimedia, interactive media, ethics and legal issues, and the Internet.

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### PET3473: Communication in Sport 3

This course provides students with 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.

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### PET3474: Special Topics in Sport 3

This course will provide variable topics in the area of Sport Management.

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### PET3493: Issues in Sport 3

This course provides 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 technology issues are also a part of the learning agenda in the course.

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### PET4464: Sport Finance 3

This course provides students with 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.

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### PET4476: Sport Law 3

This course is designed to be an overview of the legal issues most often encountered in sport and physical activity. The course will emphasize 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.

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### SPM2000: Introduction to Sport Management 3

This course will 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.

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### SPM3044: Sport Governance 3

Students will learn the structure and function of the various sports organizations. They

will learn the issues that sport organizations and their managers face and confront. 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.

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### SPM3104: Sport Facility Management 3

This course will address 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.

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### SPM3306: Sport Marketing 3

The course provides 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.

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### SPM3948C: Sport Management Practicum 3

Prerequisite: Department Permission. A supervised, structural field experience in an on-campus or community setting to assist in the acquisition of sport leadership organization and administration skills.

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### 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.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### 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.

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### 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.

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### ASL3226: Advanced ASL Proficiency 3

Prerequisite: ASL 4211 ASL IV Advanced ASL Proficiency is designed to allow students of ASL and interpreting to use ASL as a natural, conversational language. Students will use ASL to communicate with the deaf and to refine grammatical and linguistic structure of ASL. The focus is on enhancing the proficiency with which students use ASL.

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### 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.

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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.

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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.

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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.

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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.

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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.

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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.

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EBD4212: Behavior Management Techniques for 3

### Use with Emotionally Handicapped Learners

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.

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### 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.

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### 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.

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### EDG2000: Career Planning 3

This course involves self-assessment activities (looking at students' skills, interests, values, and personality characteristics as they relate to career choice), career decision-making, career exploration, and learning the necessary employability skills (i.e. resume writing, networking, interviewing techniques, your career, and your future) to obtain and keep a job once a choice has been made. The basic purpose of the course is to provide an opportunity for students to develop the necessary skills in all areas of career development. A Career Assessment (test) and Fee are required.

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### EEX3202: Psychology and Sociology of the Exceptional Learner 3

Prerequisite: EDG 2701. 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.

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### 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.

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### EEX3251: Developmental Skills of Mathematics for Special Education Problems 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.

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### 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.

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### EEX4067: Affective and Functional Living Skills for Students with Exceptionalities 3

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.

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### 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.

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### 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.

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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.

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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.

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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.

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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.

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EEX4604: Educational Management of Exceptional Students 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.

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EEX4616: Classroom Management of Learners with 3



## Exceptionalities

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.

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## 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.

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## EEX4861: Internship v. 3-12

Prerequisite: Completion of requirements prescribed on student's program of study. Teaching competencies are demonstrated under the observation of a cooperating master teacher in the student's major field. May be repeated up to 24 credits.

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## EEX4905: Individual Investigation and Study v. 1-3

Prerequisite: Permission required. A course which permits the student to investigate selected topics in a specialized area. May be repeated up to 15 credits.

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## EEX4930: Seminar in Special Education v. 1-3

Prerequisite: Permission of instructor. A seminar designed to equip special education students with the knowledge and skills necessary to effectively apply research findings in their areas of study. May be repeated up to 6 credits.

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## EHD4245: Language Development Deaf/Hard of Hearing 3

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.

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## EHD4248: Foundation of Literacy Development 3

### 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".

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### EHD4249: Foundations of Literacy Development Deaf/Hard of Hearing II 3

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".

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### 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.

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### 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.

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### EHD4940: Deaf Education Field Practicum 2

Prerequisites: EHD 4311, EHD 4245, SPA 2612. 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.

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### ELD3011: Survey of Learning Disabilities 3

A survey of factors related to the education of the learning disabled. This course will focus on historical developments, causation, related concepts, educational considerations, and professional aspects.

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### 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.

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### 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.

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### EMR3011: Survey of Mental Retardation 3

A survey of factors related to the education of the mentally retarded. This course will focus on historical developments, causation, related concepts, educational considerations, and professional aspects.

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### 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.

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### EMR4362: Instructional Strategies for Learners Who Are Mentally Handicapped v. 2-3

Instructional strategies for teaching students who are mentally handicapped are examined including development, implementation, and evaluation of individualized educational plans; specialized approaches to teaching functional skills, developmental programming; and data based management. Field experience required.

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### INT3134: Ethical Decision Making for Interpreters 3

This course examines professional codes of ethics and professional codes of conduct that govern professions and how they contribute to the process of ethical decisions making. Students will examine the Rid Code of Professional Conduct and apply its tenets to real-world interpreting situations. Through case studies, cooperative learning, and role playing, students will enhance their ability to make ethical decisions as a sign language interpreter.

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### INT3205: Interpreting and Transliterating Process 3

This course examines the processes of interpretation and transliteration as components of the overall task of interpreting. The task of producing appropriate ASL-to-English and English-to-ASL interpretations and the task of improving transliterating skills are central to the course. Students will examine how the separate processes stem from overarching

interpreting models. The course is a practice-oriented course focusing on the beginning development of both interpretation and transliteration.

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### INT3270: Interpreting Process and Skill Development I 3

This course uses a process-oriented approach for applying the essential cognitive strategies to interpretation. These strategies include organizing and manipulating visual images, analyzing messages for meaning, and self-monitoring for message accuracy. The course serves as a transition from language learning to beginning interpretation from American Sign Language to English.

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### INT3271: Interpreting Process and Skill Development II 3

Prerequisite: INT 3270 Interpreting Process and Skill Development I This course is designed to develop a clear understanding of the process of interpreting and the development of competencies in interpretation and transliteration. The course utilizes interactive discussions, small group practice, and hands-on learning activities to introduce the study of the interpreting process.

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### INT3280: Interpreting Skills Lab 3

This course is a hands-on, interactive course that will provide opportunity for practice of interpreting with ongoing mentoring and feedback. Progress towards mastering the competencies outlined by the NCI will be monitored.

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### INT3300: 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.

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### 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.

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### INT3950: Service Learning with Deaf Children 2

This course will make valuable connections between your academic preparation as an interpreter and your development of an awareness for those in the Deaf community who you will work with day-to-day. Through a specific service project developed in collaboration with program faculty, you will respond to needs of local Deaf students while connecting classroom learning, interpreting theory to community service.

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### INT3951: Service Learning in the Deaf Community 2

This course will make valuable connections between your academic preparation as an interpreter and your development of an awareness for those in the Deaf community who you will work with day-to-day. Through a specific service project developed in collaboration with program faculty, you will engage in a significant service within the Deaf community while connecting classroom learning, interpreting theory and community service.

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### INT3952: Service Learning and Interpreters 2

As the third service learning course in the program, this course will allow you the opportunity to use what has been learned in your program and make valuable connections between your academic preparation as an interpreter. Through a specific service project developed in collaboration with program faculty, you will engage in a significant service within the Deaf community while connecting classroom learning, theory to community service.

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### INT4272: Advanced Interpreting Process and Skill Development I 3

Prerequisite: INT 3271 Interpreting Process and Skill Development II This course is designed to develop a clear understanding of the process of interpreting and the development of competencies in interpretation and transliteration. This course utilizes interactive discussions, small group practice, and hands-on learning activities to enhance students' ability to move from source language to target language interpretations and transliterations.

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### INT4273: Advanced Interpreting Process and Skill Development II 3

Prerequisite: INT 4272 Advanced Interpreting Process and Skill Development I This course is designed to develop a clear understanding of the process of interpreting and development of competencies in interpretation and transliteration. This course primarily uses hands-on learning activities to allow students the opportunity to deliver linguistically and culturally equivalent messages between source language messages and target language interpretations and transliterations.

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### INT4455: Interpreting for Diverse Populations 3

This course will explore interpreting for diverse and special populations including, but not limited to, individuals who are deaf/blind, individuals with minimal language skills, and individuals with additional disabilities. Through current research, case studies, in-class discussions, role-playing, and observations, students will explore how the interpreter's role and function may differ depending on the individuals in the interpreting

process.

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### 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.

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### INT4910: Research in Interpreting 3

This course introduces students to both current research in the field of interpreting and conceptualizing research projects in topic areas of personal interest. Students are mentored through problem identification, research design, literature review, instrument construction, data collection, and analysis. The goal of the course is to demonstrate to students the benefit of active research in their pursuit of excellence as interpreters. Research projects may lead to manuscript preparation, publication, and presentation.

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### 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.

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### INT4947: Interpreting Practicum II 6

Prerequisite: INT 4945 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 200 hours of field-based experiences.

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UNDERGRADUATE CATALOG 2009-2010

## Select a course:

### IDH1002: G(W) Honors Seminar II 6

Prerequisite: Admission to the University Honors track. An interdisciplinary exploration of modern culture and society. How do people live and interact; what questions do we ask of our world and how do we answer; how do the arts and culture reflect/define the world; what are the relationships between past and present? Enrollment limited to Honors students. Gordon Rule Additional Writing credit.

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### IDH1107: G(W) Art of Communication 6

Prerequisite: Admission to the Honors Program. Communication is: a commitment to reveal, deceive or withhold; to withdraw or share; to persuade; to survive. Conducted effectively communication can lead to success in all endeavors. Conducted ineffectively, it is at the core of all failure. Communication is about more than just speaking; it's about knowing the rules, understanding the nature of the culture in which you are communicating, receiving the unspoken message, and perhaps most important, listening. This course will explore all of the above plus how body language, gossip and even swearing affect communication. We'll look at communication between two people as well as communication within a large organization. Gordon Rule Additional Writing credit.

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### IDH1115: G(W) Classics East to West 6

Prerequisite: Admission to the Honors Program. This seminar will explore the meanings and interpretations of world "classics", both from the Western and nonWestern cultural traditions. As aesthetic artifacts which carry an enduring - if not universal - value, such classics reveal something about the nature of culture and humanity. An important part of our inquiry will be to question and define exactly what makes something "classic." In addition to literary, philosophic, and religious classics, we will examine other "texts" such as music, the visual arts, and even kinesthetic forms like the martial arts. The seminar will be devoted to Socratic discussions of the various texts as well as an emphasis on experiential learning. Gordon Rule Additional Writing credit.

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IDH1933: Honors Special Topics 3

Prerequisite: Admission to the Honors Program. This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated for up to 4 times for total of 12 credits under different topics.

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IDH2113: G(W) Disturbing Philosophic Questions 3

Prerequisite: Admission to the Honors Program. This seminar will examine such perennial philosophic questions which continue to provoke our hearts and minds. We will explore a variety of ethical, metaphysical, and epistemological issues, with an emphasis on doing philosophy - that is, thinking, writing, and speaking clearly and critically. We will cultivate the art of Socratic dialogue and the science of crafting a rational argument, whether written or rhetorical. Students will have an opportunity to present a philosophic thesis to the class and defend it against other students' counter-arguments and to engage in formal debates. This seminar is not for the faint hearted or weak minded: we will challenge our common beliefs and assumptions, and learn to value provocative and significant questions. Gordon Rule Additional Writing credit.

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IDH2114: G(W) Music, Myth, Movies and Madness: Study of Creativity 3

Prerequisite: Admission to the Honors Program. This seminar will be an interdisciplinary inquiry into the nature of creativity, incorporating the disciplines of biology, neuroscience, anthropology, psychology, history, education, and the humanities. We will explore such questions as: What are the characteristics of creative individuals? How is creativity expressed? What promotes - and inhibits - the creative process? Why do music and the arts affect us so deeply? How do myths and dreams express the creative impulse? What is the relation between genius and madness? Can creativity be taught? Is aesthetic appreciation, and personal recreation, a creative act? Gordon Rule Additional Writing credit.

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IDH2124: G(W) CD - Theory and Politics of Multiculturalism 3

Prerequisite: Admission to the Honors program. This course will introduce you to the philosophical and political debate concerning multiculturalism. Currently, our societies undergo a major change with regard to their cultural and social self-understanding: issues like cultural homogeneity, equality, individual rights and social integration are no longer accepted as unproblematic ideals of a liberal democratic society. Rather, or so many argue, the "multicultural" fact of cultural, social, and sexual diversity needs to be addressed with new ethical, conceptual and political tools. The course discusses and analyzes the most interesting arguments and proposals in that ongoing and important debate, and will provide a sustained and encompassing introduction to its perspectives. Gordon Rule Additional Writing credit.

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IDH2130: G(W) Maya: History of Mesoamerica 3

Prerequisite: Admission to Honors program. This course covers more than 2000 years of Maya history, from the pyramids of the past to the persecution of the present. During the semester we will chart the course of the cultures and societies, the political and ethnic struggles, and the triumphs and tragedies of the Maya peoples from the earliest



settlements to the present city. Time will be devoted to three periods in Maya history: "Civilization", "Conquest and Colonization" and "Reconquest". Gordon Rule Additional Writing credit.

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### IDH2403: G(W) Realities of the Quilt: HIV/AIDS 3

Prerequisite: Admission to the Honors Program. HIV and AIDS do not simply involve a disease. They involve people, real live people - our family members, friends, and coworkers. This course examines psychological, sociological, biological, and physiological consequences of the HIV virus. Students will engage in research in and discussions of the relevant issues related to the disease and its effect on the individual, the family, and society as a whole. Students will be well informed about the transmission, prevention, and treatment of the virus. Gordon Rule Additional Writing credit.

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### IDH2405: G(W) It's Not Just Black and White: Prejudice 3

Prerequisite: Admission to the Honors Program. Prejudice is not simply an expression of racial discord, but includes inequitable feelings and behaviors targeting many different groups. Dissonance exists between generations, between the sexes, between socioeconomic groups, between ethnic and religious groups to name a few. Who engages in prejudice? How does it develop? What can be done about it? This course examines psychological and sociological mechanics in the development of prejudice as well as the consequences of related behaviors. Gordon Rule Additional Writing credit.

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### IDH2406: G(W) Psychosocial Aspects of Violence 3

Prerequisite: Admission to the Honors Program. Few if any individuals escape violence in some form. Whether it is school violence, domestic violence, gang violence, stalking, or even serial killings, each of us are exposed to violence. This course examines psychological, sociological, biological, and physiological consequences of the violence. Gordon Rule Additional Writing credit.

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### IDH2407: G(W) Men, Masculinity, and Manhood 3

Prerequisite: Admission to the Honors Program. Men a simple word that means so many different things to different people, and that in the modern era is laden with subjective feelings about gender and masculinity. This course will explore the male experience from a variety of perspectives, but focusing primarily on social scientific views of masculinity. We will look back in time, across cultures, and at ourselves to explore the diversity of masculinities and how they influence other realms of social life for men and women. Gordon Rule Additional Writing credit.

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### IDH2409: G(W) Sexuality and Spirituality 3

Prerequisite: Admissions to Honors program. This seminar explores the various lenses of love and their effect on friendship, dating, marriage and sex. We will explore love in historical, philosophical and religious literature while considering the findings of modern psychology. We will examine love in the media including popular songs, movies and television while pondering the images of love offered by our culture. Gordon Rule

Additional Writing credit.

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### IDH2442: G(W) Media Literacy 3

Prerequisite: Admission to the Honors Program. This course is designed to help you see the real impact T.V. has on our culture. It's intent is to make you more critical receivers of information delivered to you by the television. We will hear from those who make television programming and we'll visit some of the television stations and production studios where issues that touch our lives are compressed into ten second bites and minutes long packages. We'll hear how the technology is changing and what that means for our future. And we will put our favorite shows under a microscope to see what hidden messages lie behind the screen. Gordon Rule Additional Writing credit.

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### IDH2930: G(W) Live Music in Jacksonville 3

Prerequisite: Admission to the Honors program. This course is designed to cultivate an understanding and intelligent enjoyment of classical music through a study of its elements, forms, history and presentation. The vehicle used for this in depth look and listen will be the Jacksonville Symphony. Additional areas of interest will also be incorporated into the class as time permits. These will include improvisations through jazz elements and contemporary chamber music using the UNF Percussion Ensemble as a model. Gordon Rule Additional Writing credit.

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### IDH2934: Honors Special Topics 3

Prerequisite: Admission to the Honors Program. This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated for up to 4 times for a total of 12 credits under different topics.

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### IDH2935: G(W) Honors Selected Topics 3

Prerequisite: Admission to the University Honors track. Selected topics. Offerings have included: Image Culture; Moral Decision Making for the 21st Century; Care of the Soul on Campus; Food and the Popular Media; Great Books; Classics from East to West. Gordon Rule Additional Writing credit.

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### IDH3352: Florida As Text: An Ecological Inquiry 3

Prerequisite: Admission to Honors in the Major or Interdisciplinary Honors. This is an academic experiential learning seminar that will examine Florida as "text" which can be read and interpreted on different levels. Our inquiry will be interdisciplinary the methods and knowledge of history, geography, literature, biology, art, oceanography, anthropology, sociology, economics, politics, and space science. As an environmental based course, we will focus on the natural and social ecologies of the state. The core of the seminar will be two-week "field research" tour of Florida.

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### IDH3408: Leadership in Contemporary America 3

Prerequisite: Admission to the Honors Program. This seminar will seek to describe and

understand how the nation's leadership dealt with this historic era (1939-1968). A cursory overview of the leadership personalities subsequent to 1968 will also be conducted at the conclusion of the course.

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### IDH3621: The Healing Arts

3

Prerequisite: Admission to the Honors Program. We will explore the classical traditions of medicine and their re-interpretation during the Protestant Reformation and the Scientific Revolution. Students will discover and analyze the tenets of Galen, whose humoral system monopolized medicine for over a thousand years. They will learn about the role of the Church in regulating certain medical activity and why the arrival of religious reform challenged Galenic thought. Control of the medical marketplace by elitist physicians persisted until the 17th century, shutting out surgeons, apothecaries and other irregulars (including midwives and wise women) from licensed responsibility.

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### IDH3630: G(W) Service Learning: At-Risk Youth

1

Prerequisite: Admission to the Honors Program. During this colloquium, students will experience service through The Bridge, a non-profit organization, which helps at-risk youth in Jacksonville. All students will participate in service at The Bridge, facilitating, after-school programs one day per week (Mon.-Fri.). Students will have the opportunity to work in small groups with other Honors students and plan activities with youth that will supplement programming at The Bridge and meet the needs of the children. Programs include such things as service, athletics, tutoring, clubs and other activities. Planning weekly educational programs for youth is critical but this alone does not constitute service learning; it is how one integrates this experience into themselves and their thinking. Gordon Rule Additional Writing credit.

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### IDH3631: G(W) Service Learning: Health Issues

1

Prerequisite: Admission to the Honors Program. During this colloquium, students will experience service at St. Luke's/Mayo Clinic hospitals. All students will participate in service at an assigned department within the hospital, helping staff and patients four hours per week. Students will have the opportunity to apply and select their area of interest, where they can learn first-hand issues facing health care providers and recipients. Weekly service is important but this alone does not constitute service learning; it is how students integrate this experience into themselves and their thinking. Gordon Rule Additional Writing credit.

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### IDH3632: G(W) Service Learning: Environmental Issues

1

Prerequisite: Admission to the Honors Program. During this colloquium, students will experience service through various service or educational organizations. All students will participate in service at an assigned site three hours per week. Students will choose in the beginning of the semester where they wish to participate in service and will have the opportunity to look at various issues related to the environment. Serving weekly, students will learn first-hand the challenges facing environmental organizations and or awareness education and see how they can directly impact and make a difference. This alone does not constitute service learning; it is how one integrates this experience into themselves and their thinking. Gordon Rule Additional Writing credit.

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IDH3633: G(W) Service Learning: Refugee Issues 1

Prerequisite: Admission to the Honors Program. During this colloquium, students will experience service through Lutheran Social Services, a non-profit organization. Students will be matched in pairs with recent Bosnian refugees and have the opportunity to work closely with their families and build relationships, easing the transition into the United States. Serving weekly with families, students will learn first-hand the perils faced by recent immigrants and assist in their adjustment process. This alone does not constitute service learning; it is how one integrates this experience into themselves and their thinking. Gordon Rule Additional Writing credit.

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IDH3635: G(W) Service Learning: Alternative Spring Break 1

Prerequisite: Admission to the Honors Program. During this colloquium, students will have the opportunity to participate in the UNF Honors Program Alternative Spring Break to a location outside of Jacksonville. We will be serving at various non-profit organizations during this week, learning about the services they provide and discovering how the needs of the community are met or not met. Our focus will vary depending on the geographic location of the city and the issues facing the various service sites. We will study the city we visit and its history - past and present as well as examine our own history and identity. Gordon Rule Additional Writing credit.

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IDH3636: G(W) Service Learning: Domestic Violence 1

Prerequisite: Admission to the Honors Program. During this course, students will experience service at the domestic violence shelter, Hubbard House. All students will participate in service at the shelter, based upon the training you take, you may work with the domestic violence survivors, their children and/or the batterers. Students will learn during the first class their options of service and the training dates at the shelter. Volunteering at domestic violence programs weekly is critical but this alone does not constitute service learning; it is how one integrates this experience into themselves and their thinking. Gordon Rule Additional Writing credit.

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IDH3637: G(W) Service Learning: Jaguars Mentoring 1

Prerequisite: Admission to the Honors Program. The Nike/Jaguars Foundation Community Scholars Program is an incredible partnership between the Jacksonville Jaguars Foundation and the University of North Florida Honors Program. You have been selected to be mentors in this program which helps "at-risk" students achieve the necessary skills to enter and succeed in college. As we walk through the challenges together of developing a mentoring and scholarship program, working with unique individuals and facing dilemmas and opportunities, we will create our own path and road. We will build this program from the progress of the first group of mentors (1998-1999), but realize that this is our program that we will create together. This is an incredible gift and responsibility. Gordon Rule Additional Writing credit.

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IDH3920: G(W) Honors Colloquium 1

Prerequisite: Admission to any track of the UNF Honors Program. Special colloquium sections for students in the Honors Program. The subject of each section varies, but

always includes Inquiry into Learning and Service Learning. Gordon Rule Additional Writing credit.

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### IDH3921: Honors Colloquium II 1

Prerequisite: Admission to the Honors Program. This course will present selected interdisciplinary topics. Subjects will vary according to instructor. This course may be repeated for up to 5 times for a total of 5 credits under different topics.

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### IDH3922: Thesis Research Prospectus Colloquium 1

Prerequisite: Admission to Honors in the Major or Interdisciplinary Honors. This colloquium will prepare you to begin your senior thesis research and write a successful research prospectus. Topics include thesis types and format, the role of faculty advisors, stating the problems, research methodologies, reviewing the literature, how to cite sources making interdisciplinary connections, the timeline for completion, and writing the prospectus. Please note that all honors thesis students must have their research prospectus approved by the Honors Council before enrolling in IDH 4970 to complete their senior thesis.

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### IDH3932: Jr. Honors Interdisciplinary Seminar 3

Prerequisite: Admission to the Interdisciplinary Honors track. Corequisite: Maintain a 3.4 UNF cumulative GPA. A junior-level, interdisciplinary seminar offering a collaborative experience in which each student pursues a term-long project related to their particular major or to their prospective career. Course subjects vary from term to term.

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### IDH3951: Honors Portfolio 1

Prerequisite: Admission to the Honors Program. This course is designed to guide you toward producing a successful sophomore portfolio in order to be awarded the distinction of University Honors. Producing the portfolio is an opportunity to reflect on - and articulate - your personal and academic growth during your first two years in the UNF Honors Program. It is a meaningful artifact that documents your achievements and demonstrates your understanding of the honors objectives. The course provides guided exercises, resources, and structure in order for students to successfully complete this endeavor. This course is a Pass/Fail course.

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### IDH4945: G(W) Honors Practicum: Washington Center v. 3-6

Prerequisite: Admission to any track of the UNF Honors Program. This course provides a supervised, full-time field experience in the nation's capital through The Washington Center. Gordon Rule Additional Writing credit.

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### IDH4970: Honors Thesis 3

Prerequisite: Completion of IDH 3932. Corequisite: Maintain a 3.4 UNF cumulative GPA. A senior-level, directed research and thesis-writing experience in which the student

works with a faculty mentor to produce a thesis or special project. The thesis or project will be evaluated by both the mentoring faculty member and two members of the Honors Council.

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## Select a course:

NSC1101: Freshman Drill (Naval Science Lab) 0  
Drill, basic commands, courtesies and honors; orientation and information period.

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NSC1110: Principles of Naval Organization 2  
A general introduction to seapower and the naval service. This instruction 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.

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NSC1140: Seapower and Maritime Affairs 2  
A study of the historical role of seapower from the mid-1700s to date and its impact as an instrument of national policy. Emphasis is placed on the role of the U.S. Navy in the nineteenth and twentieth centuries. The student is made cognizant of the current U.S. Maritime Strategy, "Forward...From the Sea," and the challenges facing today's Naval officers.

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NSC2102: Sophomore Drill (Naval Science Lab) 0  
Drill, basic commands, courtesies and honors; orientation and information period.

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NSC2121: Naval Ships Systems I (Weapons) 3  
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.

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**NSC2122: Naval Ships Systems II (Engineering) 3**

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.

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**NSC3103: Junior Drill (Naval Science Lab) 0**

Drill, basic commands, courtesies and honors; orientation and information period. Also, practical exercises dealing with the specifics of naval organizations and leadership.

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**NSC3214C: Navigation and Naval Operations I 4**

A comprehensive study of the theory, concepts, principles, and procedures of ship navigation, movements and deployment. 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.

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**NSC3215C: Navigation and Naval Operations II 4**

A comprehensive study of the theory, concepts, principles and procedures of ship navigation, movements and deployment. 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.

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**NSC3221: Evolution of Warfare 3**

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.

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**NSC4104: Senior Drill (Naval Science Lab) 0**

Drill, basic commands, courtesies and honors; orientation and information period. Also, practical exercises dealing with the specifics of naval organizations and leadership.

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**NSC4224: Amphibious Warfare 3**

A historical survey of projection of combat power ashore. The course seeks to define the concept, explore its doctrinal origins, and trace its evolution as an element of naval



policy during the twentieth century. The case study method is used alongside the theme of general historical continuity to develop an understanding of the relatively new and still maturing concepts of amphibious warfare.

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### NSC4230: Leadership and Management

3

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; an introduction to individual and group behavior in organizations; and extensive study of motivation and leadership. Major behavioral theories are explored in detail. Other topics include decision making, communication, responsibility, authority, and accountability.

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### NSC4233: Leadership and Ethics

3

A course designed to provide graduating midshipmen with the ethical foundation and basic leadership tools needed to be effective junior officers and successful leaders in the U.S. Navy and Marine Corps. Subjects covered include counseling, human resources management, military justice, administration, leadership styles, naval discipline, officer performance, and Division Officer management. A combination of case studies and seminars are used to enhance the midshipmen's understanding of actual practice.

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